

**THE CATALOGUE OF “ALEXANDRU ROȘCA” SPIDER
COLLECTION FROM THE “GRIGORE ANTIPA” NATIONAL
MUSEUM OF NATURAL HISTORY (BUCHAREST).
II. MIMETIDAE, OXYOPIDAE, PHOLCIDAE, PISAURIDAE,
THERIDIIDAE**

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Abstract. We verified 145 specimens of Mimetidae, Oxyopidae, Pholcidae, Pisauridae, Theridiidae spiders from the “Alexandru Roșca” collection deposited in the “Grigore Antipa” National Museum of Natural History, Bucharest. Re-identification of the specimens actually presented in the Bucharest museum yielded records of 2 spider species not previously recorded for Romania: *Pholcus ponticus* Thorell, 1875 (Sibiu County) and *Pisaura novicia* (L. Koch, 1878) (Dâmbovița County). *Pisaura novicia* is further recorded from northern Dobrogea (Romania) and for the first time from the physiographic zone of the Ukrainian Carpathians based on our own material.

Résumé. Nous avons vérifié 145 exemplaires d'araignées des familles Mimetidae, Oxyopidae, Pholcidae, Pisauridae, Theridiidae de la collection “Alexandru Roșca” déposée dans la Muséum National d'Histoire Naturelle “Grigore Antipa”, Bucarest. La re-identification des spécimens actuellement préservés dans le Muséum de Bucarest donne des données de deux espèces d'araignées auparavant qui n'ont été signalées en Roumanie: *Pholcus ponticus* Thorell, 1875 (département du Sibiu) and *Pisaura novicia* (L. Koch, 1878) (département du Dâmbovița). *Pisaura novicia* est en outre enregistré dans le nord de la Dobrogea (Roumanie) et pour la première fois de la zone physiographique des Carpates ukrainiennes sur la base de notre propre matériel.

Key words: Araneae, collection, Romania, Moldova, Ukraine.

INTRODUCTION

According to the certificate nr. 1582 dating back to 26.07.1972, the “Grigore Antipa” National Museum of Natural History (MNINGA) acquired the collection of 1526 specimens representing 596 Araneae species sold by Todoraș Olivia (Alexandru Roșca's daughter). The collection came in handmade cardboard boxes containing glass vials with rubber covers. It was accompanied by the register that included the following information: species name, number of specimens, locality (mostly names of settlements) and the date of collection. The material was collected by Dr. A. Roșca from Romania, Ukraine, Moldova, and Bulgaria within the period 1925-1964. Later certain specimens from the “Alexandru Roșca” collection were verified by the German and Romanian arachnologists (Braun, 1982; Sterghiu, 1985; Urak & Weiss, 1997; Petrișor, 1999) and a part of the collection was rearranged into glass tubes, placed in plastic jars with 70% alcohol (Petrișor, 1999). The rest of the collection is in the condition it was received and requires reorganization and verification.

MATERIAL AND METHODS

In December, 2012 we verified 133 spider specimens, which were labeled in the collection as belonging to Mimetidae (2 specimens), Oxyopidae (12 specimens), Pholcidae (15 specimens), and Theridionidae (old version for Theridiidae) (104

specimens); we also verified 12 specimens of Pisauridae which were mentioned in the collection belonging to Lycosidae. The number of individual spiders that we found in the collection was the same as specified in the registry. One specimen of *Dictyna latens* (Fabricius, 1775) was mentioned as *Dipoena prona* (Menge, 1868) and was included into Theridionidae. Until all of the collection is rearranged by the MNINGA staff, the specimens are left in the same vials. We added fresh 70% alcohol and labels with the inventory numbers and the species names after re-identification. In the cases when specimens of two or more species were in one vial, they were placed in separate ones and provided with labels. With the aim of unification, we followed A. Petrișor's (1999) approach both in abbreviations and the way of presenting the results, with the only exception: besides the general number of specimens we provided the information on the number of male, female and juvenile specimens. Photographs were taken by Liviu A. Moscaliuc using a Leica 205C stereomicroscope with a mounted Canon EOS 600D camera. Photographs were processed with Zerene Stacker, Adobe Lightroom and Adobe Photoshop software. The pictured specimens are part of the "Alexandru Roșca" collection at the "Grigore Antipa" Museum, part of the general spider collection of the museum (Letea, N 45°16'36" E 29°31'33"; Greci, N 45°12'50" E 28°14'45"; Bistricioara, N 47°3'11" E 25°55'22", leg. Liviu A. Moscaliuc) and part of M. Fedoriak's private collection at the Yuri Fedkovych Chernivtsi National University.

Abbreviations:

"Grigore Antipa" National Museum of Natural History – MNINGA; Inv.no – inventory number; Spec. no – number of specimens; Coll.place/date – collecting place and date; MD – Republic of Moldova; UKR – Ukraine.

Abbreviations of the county names in Romania:

BT – Botoșani; CT – Constanța; DB – Dâmbovița; GL – Galați; IS – Iași; PH – Prahova; SB – Sibiu; SV – Suceava.

RESULTS

List of verified material

Family Dictynidae O. P.-Cambridge, 1871

Dictyna latens (Fabricius, 1775)

Recorded in collection as: *Dipoena prona* (Menge, 1868)

Inv.no/Spec.no: 40376/1 (1 ♀)

Coll.place/date: Grajduri (IS)/17.07.1964

Family Mimetidae Simon, 1881

Ero aphana (Walckenaer, 1802)

Recorded in collection as: *Ero tuberculata* De Geer, 1778

Inv.no/Spec.no: 40735/1 (1 ♀)

Coll.place/date: Turnișor-Sibiu (SB)/26.06.1944

Ero furcata (Villers, 1789)

Inv.no/Spec.no: 40736/1 (1 ♀)

Coll.place/date: Dumbrava-Sibiu (SB)/15.06.1944

Family Oxyopidae Thorell, 1870

Oxyopes nigripalpis Kulczunski, 1891Recorded in collection as: *Oxyopes ramosus* Panzer, 1804

Inv.no/Spec.no: 40738/10 (1 ♂, 9 juv.)

Coll.place/date: Valea Cibinului (SB)/21.05.1944

Oxyopes ramosus (Martini & Goeze, 1778)Recorded in collection as: *Oxyopes heterophthalmus* Latreille, 1804

Inv.no/Spec.no: 40739/2 (1 ♀, 1 juv.)

Coll.place/date: Valea Cibinului (SB)/21.06.1944

Family Pholcidae C. L. Koch, 1850

Pholcus opilionoides (Schrank, 1781)Recorded in collection as: a – *Pholcus opilionoides* Schrank, 1781; b – *Pholcus phalangioides* Fuessling, 1775

Inv.no/Spec.no: a – 40733/7 (4 ♂♂, 3 ♀♀); b – 40734/7 (2 ♂♂, 5 ♀♀)

Coll.place/date: a – Sibiu (SB)/25.04.1944; b – Turnișor-Sibiu (SB)/26.06.1944

Pholcus ponticus Thorell, 1875Recorded in collection as: *Pholcus opilionoides* Schrank, 1781

Inv.no/Spec.no: 40734/1 (1 ♀)

Coll.place/date: Turnișor-Sibiu (SB)/25.04.1944

This is the first record for the Romanian fauna.

Family Pisauridae Simon, 1890

Pisaura mirabilis (Clerck, 1757)Recorded in collection as: *Pisaura listeri* Scopoli, 1763

Inv.no/Spec.no: 40391/4 (4 ♀♀)

Coll.place/date: Peștera chalet, Bucegi Mts (DB)/10.07.1930

Pisaura novicia (L. Koch, 1878)Recorded in collection as: *Pisaura listeri* Scopoli, 1763

Inv.no/Spec.no: 40391/4 (1 ♂, 3 ♀♀).

Coll.place/date: Peștera chalet, Bucegi Mts (DB)/10.07.1930

*This is the first record for the Romanian fauna.**Dolomedes plantarius* (Clerck, 1757)Recorded in collection as: *Dolomedes fimbriatus* (Clerck, 1757)

Inv.no/Spec.no: 40392/4 (1 ♂, 3 juv.)

Coll.place/date: Rarău (SV)/20.06.1929

These species was previously verified by Petrișor (1999) and recorded as Dolomedes fimbriatus (Clerck, 1757).

Family Theridiidae Sundevall, 1833

Asagena phalerata (Panzer, 1801)

Inv.no/Spec.no: 40383/3 (1 ♂, 1 ♀, 1 juv.)

Coll.place/date: Tecuci (GL)/16.06.1937

Crustulina guttata (Wider, 1834)

Inv.no/Spec.no: 40380/1 (1 ♀)

Coll.place/date: Dumbrava-Sibiu (SB)/15.06.1944

Dipoena melanogaster (C. L. Koch, 1837)

Inv.no/Spec.no: 40378/4 (4 ♀♀)

Coll.place/date: Selimbar (SB)/20.06.1945

Dipoena sp.

Recorded in collection as: *Dipoena nigroreticulata* (Simon, 1879)

Inv.no/Spec.no: 40377/1 (1 juv.)

Coll.place/date: Sibiu (SB)/14.07.1944

Enoplognatha ovata (Clerck, 1757)

Recorded in collection as: *Theridium redimitum* Linnaeus, 1758

Inv.no/Spec.no: 40366/8 (2 ♂♂, 5 ♀♀, 1 juv.)

Coll.place/date: Capul Caliacra (BG)/15.06.1938

Enoplognatha mordax (Thorell, 1875)

Recorded in collection as: a – *Enoplognatha maritima* Simon, 1884; b – *Enoplognatha thoracica* Hahn, 1833)

Inv.no/Spec.no: a – 40387/1 (1 ♂); b – 40386/2 (2 ♂♂)

Coll.place/date: a – Mangalia (CT)/15.05.1938; b – Tecuci (GL)/20.06.1937

Episinus truncatus Latreille, 1809

Recorded in collection as: a – *Episinus truncatus* Latreille, 1809; b – *Episinus angulatus* Blackwall, 1836

Inv.no/Spec.no: a – 40350/2 (1 ♀, 1 juv.); b – 40349/1 (1 ♀)

Coll.place/date: a – Gușterița-Sibiu (SB)/25.06.1945; b – Cernăuți (UKR)/10.06.1935

Euryopsis flavomaculata (C. L. Koch, 1836)

Inv.no/Spec.no: 40351/1 (1 ♀)

Coll.place/date: Pașcani, (IS)/16.08.1950

Euryopsis sp.

Recorded in collection as: *Euryopsis laeta* (Westring, 1861)

Inv.no/Spec.no: 40352/1 (1 juv., damaged)

Coll.place/date: Grajduri (IS)/15.06.1963

Lasaeola tristis (Hahn, 1833)

Recorded in collection as: a – *Dipoena tristis* Hahn, 1833; b – *Dipoena torva* Thorell, 1875

Inv.no/Spec.no: a – 40379/1 (1 ♀); b – 40375/1 (1 ♀)

Coll.place/date: a – Dumbrava-Sibiu (SB)/15.06.1944; b – Sibiu (SB)/16.06.1944

Neottiura bimaculata (Linnaeus, 1767)

Recorded in collection as: *Theridion bimaculatum* Linnaeus, 1767

Inv.no/Spec.no: 40358/8 (8 ♀♀)

Coll.place/date: Tighina, (Bender, MD)/20.07.1937

Parasteatoda lunata (Clerck, 1757)

Recorded in collection as: a – *Theridium lunatum* Olivier, 1789; b – *Theridium simulans* Thorell, 1875; c – *Theridium umbraticum* L. Koch, 1872

Inv.no/Spec.no: a – 40360/3 (3 ♀♀); b – 40364/3 (1 ♂, 2 ♀♀); c – 40372/1 (1 ♀)

Coll.place/date: a – Mangalia (CT)/15.05.1938; b – Iași (IS)/10.07.1945; c – Cernăuți (UKR)/14.06.1934

Parasteatoda simulans (Thorell, 1875)

Recorded in collection as: a – *Theridion impressum* L. Koch, 1881; b – *Theridium nigrovariegatum* Simon, 1873; c – *Theridium pallens* Blackwall, 1834

Inv.no/Spec.no: a – 40359/1 (1 ♀); b – 40361/1 (1 ♀); c – 40363/2 (2 ♀♀)

Coll.place/date: a – Tecuci (GL)/16.06.1937; b – Valea Cîbinului (SB)/1.07.1944; c – Turnișor (SB)/28.07.1944

Parasteatoda tepidariorum (C. L. Koch, 1841)

Recorded in collection as: a – *Theridium tepidariorum* C. L. Koch, 1841; b – *Theridion saxatile* C. L. Koch, 1834

Inv.no/Spec.no: a – 40370/3 (1 ♂, 2 ♀♀); b – 40365/2 (1 ♂, 1 juv.)

Coll.place/date: a – Valul lui Traian (CT)/20.05.1938; b – Vama (SV)/15.08.1934

Parasteatoda sp.

Recorded in collection as: *Theridium notatum* Linnaeus, 1758

Inv.no/Spec.no: 40362/2 (2 juv.)

Coll.place/date: Medgidia (CT)/25.05.1938

Phylloneta impressa (L. Koch, 1881)

Recorded in collection as: a – *Theridion botezati* Roșca, 1935; b – *Theridion impressum* L. Koch, 1881

Inv.no/Spec.no: a – 40356/4 (4 ♀♀); b – 40359/1 (1 ♂)

Coll.place/date: a – Cislădie (SB)/15.06.1944; b – Tecuci (GL)/16.06.1937

Phylloneta sisyphia (Clerck, 1757)

Recorded in collection as: *Theridium notatum* Linnaeus, 1758

Inv.no/Spec.no: 40362/2 (2 ♀♀)

Coll.place/date: Medgidia (CT)/25.05.1938

Platnickina tinctoria (Walckenaer, 1802)

Recorded in collection as: a – *Theridium tinctorum* Walckenaer, 1802; b – *Theridion impressum* L. Koch, 1881; c – *Theridium pinastri* L. Koch, 1872

Inv.no/Spec.no: a – 40371/4 (1 ♀, 3 juv.); b – 40359/1 (1 ♀); c – 40367/1 (1 ♀)

Coll.place/date: a – Dumbrava (?)/15.06.1944; b – Tecuci (GL)/16.06.1937; c – Vama (SV)/25.07.1929

Robertus arundineti (O. P.-Cambridge, 1871)

Recorded in collection as: *Robertus lividus* Blackwall, 1836

Inv.no/Spec.no: 40384/1 (1 ♀)

Coll.place/date: Vama (SV)/28.07.1965

Robertus lividus (Blackwall, 1836)

Inv.no/Spec.no: 40384/1 (1 ♀)

Coll.place/date: Vama (SV)/28.07.1965

Robertus truncatus Latreille, 1809

Recorded in collection as: *Robertus arundineti* (O. P.-Cambridge, 1871)

Inv.no/Spec.no: 40385/1 (1 ♀)

Coll.place/date: Grajduri (IS)/16.06.1964

Steatoda albomaculata (De Geer, 1778)

Recorded in collection as: *Lithyphantes albomaculatus* De Geer, 1778

Inv.no/Spec.no: 40388/2 (1 ♀, 1 juv.)

Coll.place/date: Medgidia (CT)/25.05.1938

Steatoda bipunctata (Linnaeus, 1758)

Inv.no/Spec.no: 40381/6 (4 ♂♂, 2 ♀♀)

Coll.place/date: Sibiu (SB)/16.06.1944

Steatoda castanea (Clerck, 1757)

Recorded in collection as: *Teutana castanea* Olivier, 1789

Inv.no/Spec.no: 40382/9 (1 ♂, 8 ♀♀)

Coll.place/date: Iași (IS)/20.06.1945

Theridion hemerobium Simon, 1914

Recorded in collection as: *Theridium nigrovariegatum* Simon, 1873

Inv.no/Spec.no: 40361/1 (1 ♀)

Coll.place/date: Valea Cibirului (SB)/1.07.1944

Theridion pictum (Walckenaer, 1802)

Recorded in collection as: *Theridium pictum* Walckenaer, 1802

Inv.no/Spec.no: 40368/1 (1 ♂)

Coll.place/date: Pojorâta (SV)/20.06.1929

Theridion pinastri L. Koch, 1872

Recorded in collection as: a – *Theridion familiare* O. P.-Cambridge, 1870; b – *Theridion denticulatum* Walckenaer, 1802

Inv.no/Spec.no: a – 40354/1 (1 ♀); b – 40355/1 (1 ♀)

Coll.place/date: a – Dumbrava-Sibiu (SB)/15.06.1944; b – Medgidia (CT)/25.05.1938

Theridion varians Hahn, 1833

Recorded in collection as: a – *Theridium varians* Hahn, 1831; b – *Euryopsis v. guttata* Thorell, 1875; c – *Theridion familiare* O. P.-Cambridge, 1870; d – *Theridion denticulatum* Walckenaer, 1802; e – *Theridion bösenbergi* Strand, 1905; f – *Theridium notatum* (Linnaeus, 1758); g – *Theridium tinctum* (Walckenaer, 1802)

Inv.no/Spec.no: a – 40374/3 (1 ♀, 2 juv.); b – 40353/1 (1 ♀); c – 40354/1 (1 ♀); d – 40355/1 (1 ♀); e – 40357/1 (1 ♀); f – 40362/1 (1 ♀); g – 40371/1 (1 ♀)

Coll.place/date: a – Sibiu (SB)/25.04.1945; b – Zamca (Suceava) (SV)/18.08.1962; c – Dumbrava-Sibiu (SB)/15.06.1944; d – Medgidia (CT)/25.05.1938; e – Cîsnădie (SB)/15.06.1944; f – Medgidia (CT)/25.05.1938; g – Dumbrava (?)/15.06.1944

Theridion sp. 1Recorded in collection as: *Theridium undulatum* Westring, 1861

Inv.no/Spec.no: 40373/1 (1 juv.)

Coll.place/date: Cozmeni (UKR)/17.07.1929

Theridion sp. 2Recorded in collection as: *Theridium pinastri* L. Koch, 1872

Inv.no/Spec.no: 40367/1 (1 juv.)

Coll.place/date: Vama (SV)/25.07.1929

Theridion sp. 3Recorded in collection as: *Theridium simile* L. Koch, 1836

Inv.no/Spec.no: 40369/2 (2 juv., dry and damaged)

Coll.place/date: Vama (SV)/25.07.1929

Discussions of the new records

Family Pholcidae C. L. Koch, 1850

Gen. *Pholcus* Walckenaer, 1805*Pholcus ponticus* Thorell, 1875*Material*: 1 ♀ (MNINGA); Turnișor-Sibiu, Sibiu County, Romania, 25 April 1944.

Material examined beyond the "Alexandru Roșca" collection: UKRAINE: Chernivtsi region: 1 ♂; multi-storey apartment building, 45 Khotyns'ka str., Chernivtsi, N 48°19'10" E 25°56'17", 14.11.2007, leg. M. Fedoriak & L. Brushnivs'ka; 7 ♂♂, 7 ♀♀, buildings of Oil and Fat Factory, 17 Morise Tereza str., Chernivtsi, N 48°19'31" E 25°55'42", 11.10.2007, leg. M. Fedoriak & L. Brushnivs'ka; 6 ♂♂, 4 ♀♀, buildings of Electronmash Plant, 265 Golovna str., Chernivtsi, N 48°15'33" E 25°57'27", 25.03.2008, leg. M. Fedoriak & L. Brushnivs'ka; 1 ♂, 2 ♀♀, buildings of Brickyard # 1, 3 Zelena str., Chernivtsi, N 48°17'29" E 25°57'10", 26.03.2008, leg. M. Fedoriak & L. Brushnivs'ka; 2 ♂♂, 2 ♀♀, buildings of Milk Plant, 9 Kolomyiska str., Chernivtsi, N 48°19'39" E 25°54'53", 12.05.2008, leg. M. Fedoriak & L. Brushnivs'ka; 1 ♂, 2 ♀♀, building of Poultry farm, Valya Kuzmin village, Hlyboka district, N 48°11'10" E 26°1'2", 25.10.2011, leg. M. Fedoriak & B. Kyryliuk; 1 ♂, 1 ♀, privat house, Bilivtsi village, Khotyn district, N 48°26'25" E 26°28'54", 3.10.2008, leg. O. Iaroshynska; Uzhhorod region: 5 ♂♂, multi-storey apartment building, 14a Universytets'ka str., Uzhhorod, N 48°38'7" E 22°17'27", 1.04.2007, leg. M. Fedoriak & O. Iaroshynska; Donetsk region: 3 ♂♂, 11 ♀♀, multi-storey apartment building, 4 Fed'ka str., Donetsk, N 47°57'24" E 37°57'43", 30.07.2009, leg. O. Kukurudz; Ternopil region: 1 ♂, 3 ♀♀, multi-storey apartment building, 1 Slipogo str., Ternopil, N 49°33'10" E 25°35'28", 27.08.2007, leg. M. Fedoriak; Vinnytsya region: 1 ♂, 2 ♀♀, multi-storey apartment building, 15 Malynovs'kogo str., Vinnytsya, N 49°13'43" E 28°27'24", 2.08.2009, leg. M. Fedoriak & T. Olendr. Only a small part of the material on *Pholcus ponticus* from Ukraine is presented. So far we collected 89 adults in buildings of Chernivtsi and 891 adults in other settlements of Ukraine (Fedoriak, 2010; Fedoriak & Zhukovets, 2010; unpublished data). RUSSIA: Belgorod region: 7 ♂♂, 8 ♀♀, multi-storey apartment building, 7a Slavy str., Belgorod, N 50°35'59" E 36°34'58", 16.09.2008, leg. M. Fedoriak; Moskow region: 8 ♀♀, outbuildings of "Fleksoror" Enterprize, 30a Yuzhnoportovaia str., Moskow, N 55°42'27" E 37°42'7",

19.11.2008, leg. M. Fedoriak; BELARUS: Minsk region: 1 ♂, 2 ♀♀, storehouse, 9 Montazhnikov str., Minsk, N 53°52'7" E 27°24'58", 25.06.2009, leg. E. Zhukovets.

Diagnosis: Distinguished from congeners by morphology of genitalia. **Male.** Palp procurus is distally distinctively hooked (Fig. 1 p) (Wunderlich, 1980; Huber, 2011) and carries prolaterally a distinctive hook-like process in the distal third (Wunderlich, 1980; Huber, 2011). Appendix is large and flattened. **Female.** Epigynum (Fig. 2 A) weakly protruding, plate resembles an equilateral triangle (Fig. 2 ep) with a comparatively large, wide epigynal apophysis - 'knob' (Fig. 2 k) (Wunderlich, 1980; Huber, 2011). The description of specimens from Makarivka (Ukraine, Cernivtsi region) is provided by Huber (2011).

Besides genital structure, certain non-genital differences can be used for identification of *Pholcus ponticus*. On the carapace there is a wide dark median stripe which is widened proximally (Fig. 3 A). No marginal patches are present. The last ones are characteristic for *Pholcus opilionoides* (Fig. 3 B). Sternum is light brown-grey with one median and 3-4 pairs of light margin spots (Fig. 3 C). The coloration of sternum is dark in *Pholcus opilionoides*, light spots are quite contrasting (Fig. 3 D). See also the description of non-genital features of some *Pholcus* species (Fedoriak, 2008).

Distribution. Widely distributed from western Ukraine to Xinjiang (China) (Huber, 2011).

Discussions. Within the "Alexandru Roșca" collection 1 ♀ of *Ph. ponticus* was in the vial with 2 ♂♂, 5 ♀♀ of *Pholcus opilionoides* (Schrank, 1781) recorded as *Pholcus phalalangioides* Fuessling, 1775. The material was collected by Dr. A. Roșca on 26 June 1944 during the field trip from the small village of Turnișor to the city of Sibiu (approximately 2.5 km).

The only representatives of the genus recorded for Romania so far are *Pholcus opilionoides* (Schrank, 1781) and *Pholcus phalalangioides* Fuessling, 1775 (Weiss

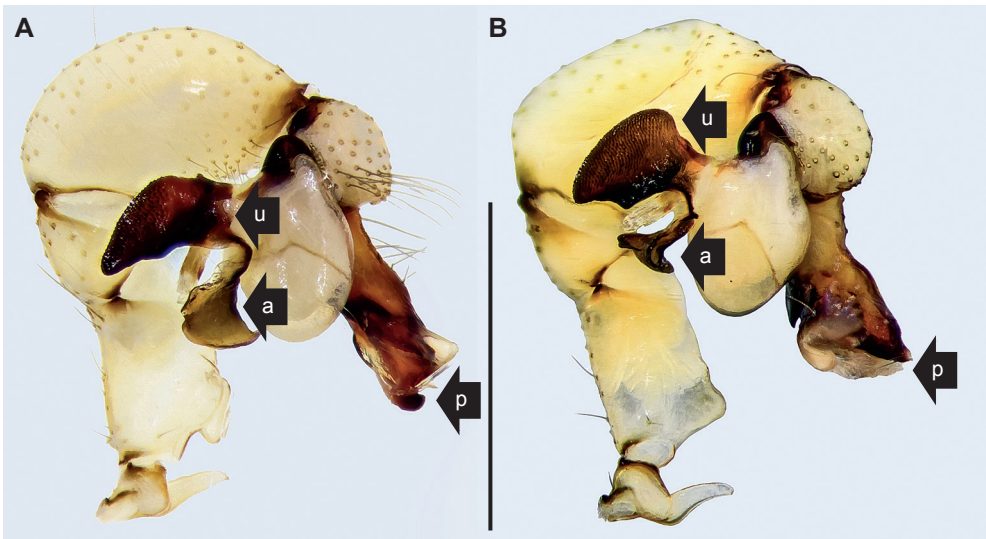


Fig. 1 - Male palpal organ comparison, prolateral view: A. *Pholcus ponticus* Thorell, 1875 – specimen from Valya Kuzmina, Ukraine; B. *Pholcus opilionoides* (Schrank, 1781) – specimen from Bistricioara, Romania. Arrows: u, uncus; a, appendix; p, procurus. Scale line: 1 mm.

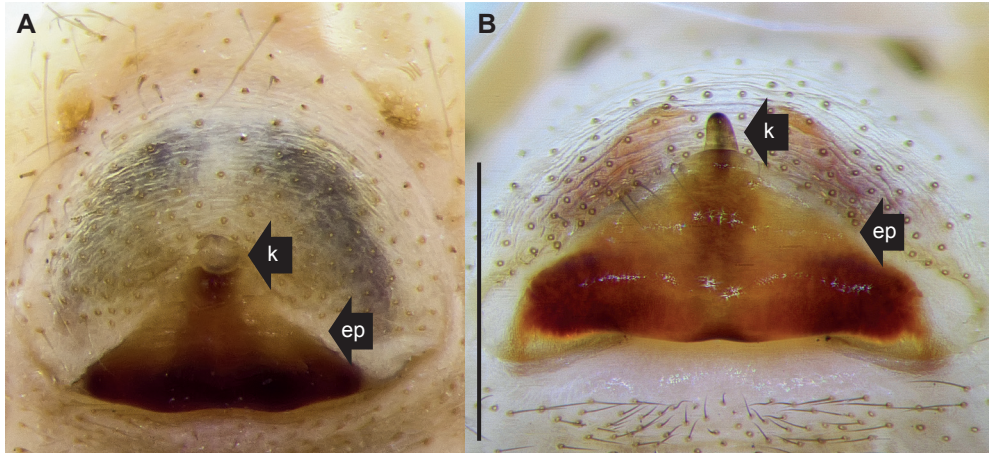


Fig. 2 - Epigyne comparison: A, *Pholcus ponticus* Thorell, 1875 – specimen from Turnișor-Sibiu, “Alexandru Roșca” collection; B, *Pholcus opilionoides* (Schrank, 1781) – specimen from Letea, Romania. Arrows: k, epigynal apophysis or ‘knob’; ep, epigynal plate. Scale line: 0.5 mm.

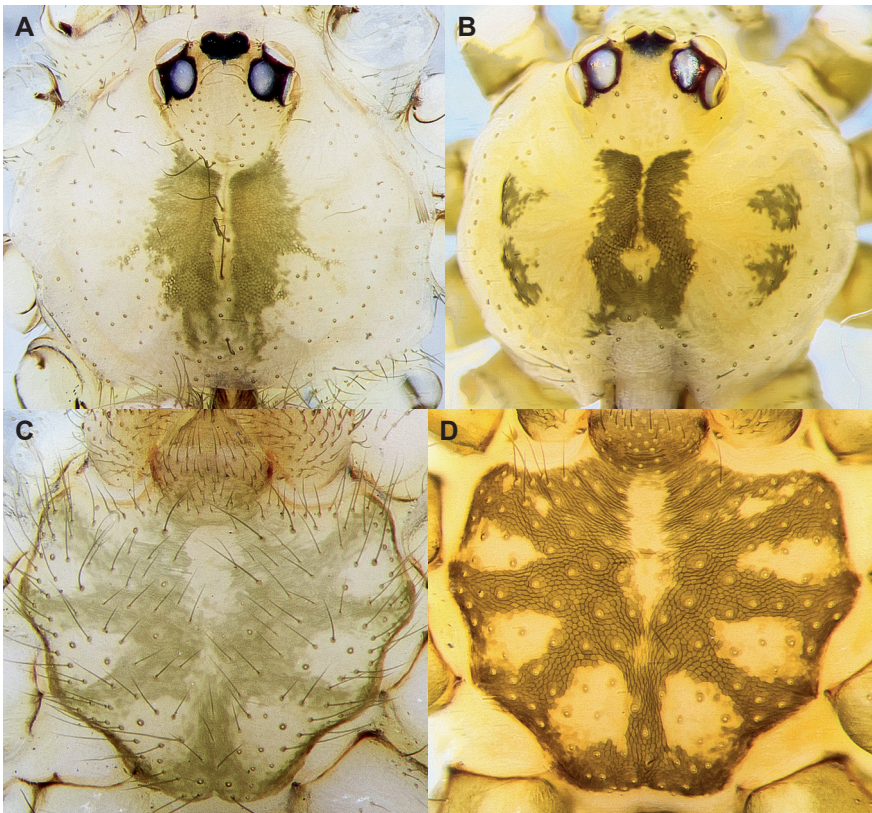


Fig. 3 - Carapace and sternal markings: A, C, *Pholcus ponticus* Thorell, 1875 – female specimen from Turnișor-Sibiu, “Alexandru Roșca” collection; B, *Pholcus opilionoides* (Schrank, 1781) – female specimen from Letea, Romania.

& Urák, 2000; Helsdingen, 2013). There are no records of *Ph. ponticus* from such bordering countries as Hungary, Moldova, and Serbia. The record from Bulgaria is doubtful (see Huber, 2011; Blagoev et al., 2002). We collected *Ph. ponticus* in buildings of various settlements in different physiographic zones of Ukraine with the highest relative abundance in the steppe zone (Fedoriak & Zhukovets, 2010). In Odessa and Donetsk its relative abundance reaches up to 30 % of all the spider specimens collected in buildings (Fedoriak, 2010). It is interesting to mention that on 03.10.2008 we collected 1 ♂, 1 ♀ and 6 juv. specimens of *Ph. ponticus* in Bilivtsi village (Khotyn district, Chernivtsi region) which is located next to the Ukrainian-Romanian border.

Family Pisauridae Simon, 1890

Gen. *Pisaura* Simon, 1885

Pisaura novicia (L. Koch, 1878)

Material: 1 ♂, 3 ♀♀ (MNINGA), Peștera chalet, Bucegi Mts, Dâmbovița county, Romania, 01 July 1930.

Material examined beyond the “Alexandru Roșca” collection: ROMANIA: Tulcea County: 1 ♂, Letea village, grassy vegetation layer in xerophyte forest, N 45°18'44.91" E 29°31'18.10", 1.05.2012, leg. L. Moscaliuc; 1 ♂, Greci village, grassy vegetation layer, meze-xerophyte forest, stony slope, N 45°12'50.34" E 28°14'45.48", 10.05.2011, leg. L. Moscaliuc; UKRAINE: Chernivtsi region: 9 ♂♂, 1 ♀; the territory of “Brickyard # 1”, 3 Zelena str., Chernivtsi, artificially planted trees: *Acer*, *Betula*, *Tilia*, N 48°17'28" E 25°57'05", pitfall traps, 29.04-11.05.2010, leg. T. Auziak & V. Harashchuk; 1 ♀, the territory of Boarding School “The high school for gifted children”, 119 Novovinnytska str., Chernivtsi, single *Robinia pseudoacacia* and grass vegetation, N 48°16'51" E 25°58'18", pitfall traps, 26.04-11.05.2010, leg. T. Auziak & V. Harashchuk.

Diagnosis: The only representative of the genus recorded for Romania so far is *Pisaura mirabilis* (Clerck, 1757). *P. novicia* can be distinguished from *P. mirabilis* by morphology of genitalia. A good clue for identification and numerous drawings as well as scanning electron photos are provided by Nadolny et al. (2012). *Male*. Palp (Fig. 4 A) with tibial apophysis curved dorsally and a small projection in the proximal part (Fig. 4 ta). Conductor is comparatively short (Fig. 4 c). Both distal and median apophysis also have a slightly different shape for the two species (Fig. 4 da, ma). *Female*. Epigyne (Fig. 5 A) with a broad septum (Fig. 5 s) that narrows not sharply to the rear edge of the epigynum plate. Copulatory openings are narrow (Fig. 5 co), while in *P. mirabilis* (Fig. 5 B) copulatory openings are wide and funnel-like (Fig. 5 co).

Distribution. Mediterranean to Central Asia (Platnick, 2013).

Discussions. Within the “Alexandru Roșca” collection 1 ♂, 3 ♀♀, of *P. novicia* were in the vial with 4 ♀♀ of *P. mirabilis* collected in Peștera chalet, Bucegi Mts which shows a sympatric distribution of the mentioned species. We observed cohabitation of *P. novicia* and *P. mirabilis* in the surroundings of Greci village (Tulcea County, Romania). Recently *P. novicia* has been recorded for the first time from Ukraine (the Crimea) (Nadolny et al., 2012). The authors provided the numerous list of species localities both from the Crimea and from the southeastern regions of European Russia and Abkhazia. The species was not recorded from Ukraine except the Crimea. The mentioned above findings from Chernivtsi are the first records from the physiographic zone of the Ukrainian Carpathians.

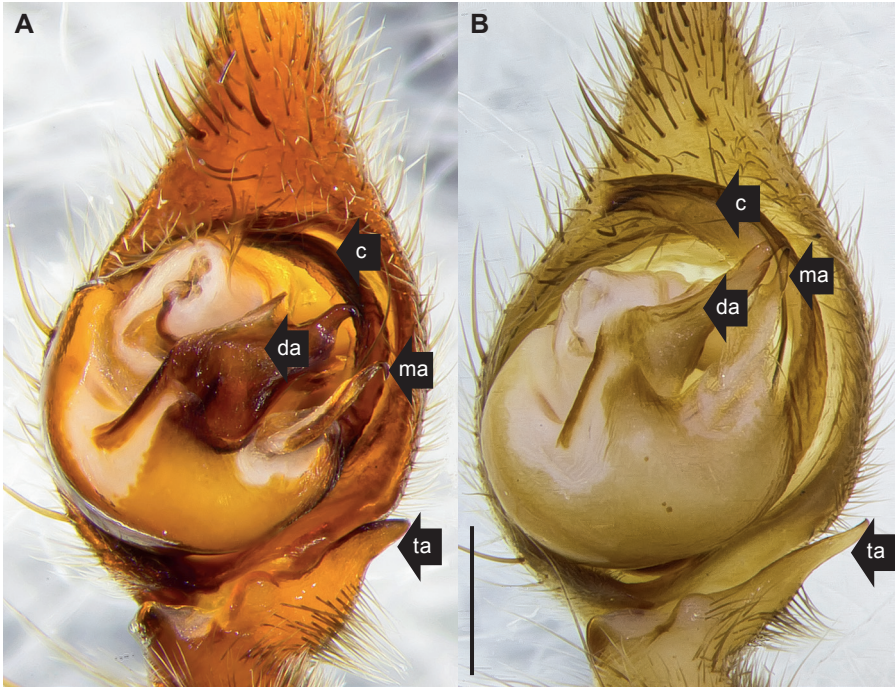


Fig. 4 - Male palpal organ comparison: A, *Pisaura novicia* (L. Koch, 1878) – specimen from Greci, Romania; B, *Pisaura mirabilis* (Clerck, 1757) – specimen from Greci, Romania. Arrows: c, conductor; ma, median apophysis; da, distal apophysis; ta, tibial apophysis. Scale line: 0.5 mm.

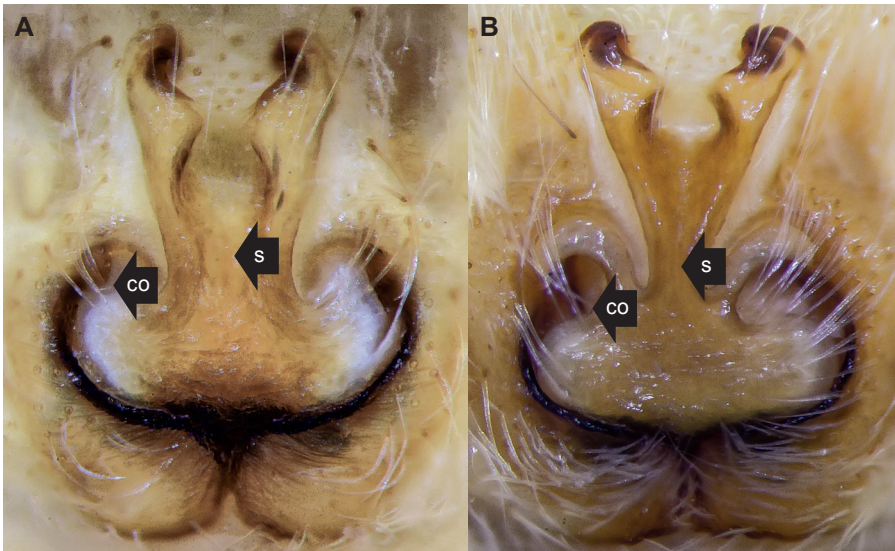


Fig. 5 - Epigyne comparison: A, *Pisaura novicia* (L. Koch, 1878) – specimen from Peștera chalet, Bucegi Mts, Dâmbovița, Romania, "Alexandru Roșca" collection; B, *Pisaura mirabilis* (Clerck, 1757) – specimen from Peștera chalet, Bucegi Mts Dâmbovița, Romania, "Alexandru Roșca" collection. Arrows: s, septum; co, copulatory openings. Scale line: 0.1 mm.

DISCUSSIONS

The verified part of the “Alexandru Roșca” collection includes 34 species: Mimetidae – 2, Oxyopidae – 2, Pholcidae – 2, Pisauridae – 3, Theridiidae – 25. We found 30 cases of wrong identification. Other cases of misidentification of species within the “Alexandru Roșca” collection have been mentioned in the literature (Braun, 1982; Urak & Weiss, 1997; Petrișor, 1999). Certain species described by Roșca (1935, 1939) were synonymized by subsequent researchers without examining the material. For example, *Aranea multipunctata* Roșca, 1935 was synonymized with *Larinioides ixobolus* (Thorell, 1873) and *Theridium botetzati* Roșca, 1935 was synonymized with *Phylloneta impressa* (L. Koch, 1881) by Drensky (1939); *Acantholycosa trajani* Roșca, 1939 was synonymized with *Pardosa nebulosa* (Thorell, 1872) by Fuhn & Niculescu-Burlacu (1971). Since we have used information given in Roșca’s papers as to the spider assemblages from the territories which are now included in the city limits of Chernivtsi to compare with our own data (Fedoriak et al., 2012) we questioned our conclusions. Specifically, we found differences in ecological preferences of certain species given by Roșca (1936) in comparison with our own data. For example, Roșca (1936) regarded *Parasteatoda tepidariorum* as a species living in trees (ecological group – ‘arboricole’) and noted that it commonly occurred in bushes and trees. In our samples, only 0.5% of the specimens collected from parks and other semi-natural habitats of Chernivtsi belong to *P. tepidariorum*. According to our data, a cumulative percentage of *Parasteatoda tepidariorum* is 11.7% of all collected spider specimens in the buildings of Chernivtsi (Fedoriak et al., 2012). This made us think about possible misidentification of *P. tepidariorum* and *P. simulans* by Roșca. Our verification did not find such a confusion. Our own researches and those based on Roșca’s data recorded 77 years ago for the territory now belonging to Chernivtsi (Roșca, 1936) allow us to assume that the increasing of urbanization leads to a change of ecological preferences of *P. tepidariorum* toward settlement in buildings.

These findings as well as identification of the species which were not previously recorded from the territories surveyed by Roșca, proved the value of the “Alexandru Roșca” collection and necessity of its further verification.

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CATALOGUL COLECȚIEI DE PĂIANJENI „ALEXANDRU ROȘCA” A MUZEULUI
NAȚIONAL DE ISTORIE NATURALĂ „GRIGORE ANTIPA”. II. MIMETIDAE,
OXYOPIIDAE, PHOLCIDAE, PISAURIDAE, THERIDIIDAE

REZUMAT

Pentru această lucrare au fost verificate 146 de specimene de păianjeni din familiile Mimetidae, Oxyopidae, Pholcidae, Pisauridae, Theridiidae din colecția „Alexandru Roșca” depozitată la Muzeul Național de Istorie Naturală „Grigore Antipa” București (MNINGA). Re-identificarea speciilor prezente în colecția muzeului a permis stabilirea prezenței a două specii care nu fuseseră anterior înregistrate ca prezente pe teritoriul României: *Pholcus ponticus* Thorell, 1875 (colectat de Al. Roșca în jud. Sibiu) și *Pisaura novicia* (L. Koch, 1878) (colectată de Al. Roșca în jud. Dâmbovița). *Pisaura*

novicia (L. Koch, 1878) a fost suplimentar identificată și colectată în nordul Dobrogei (România) și pentru prima dată în Carpații Ucrainei.

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