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Type Specimens of Araneae Held in the William Morton Barrows Spider Collection

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ABSTRACT. A list of the type specimens held in the William Morton Barrows Spider Collection at The Ohio State University is presented for the first time. A total of 26 holotypes and 14 allotypes are currently held in the collection. Of the 28 named taxa (27 Barrows names) represented by primary types in this collection, 10 have been placed in synonymy by subsequent authors. Thus a total of 18 currently valid species are represented by primary types. An additional 113 paratype specimens representing these species and an additional 20 taxa are present.

INTRODUCTION

The William Morton Barrows spider collection is currently housed in the Acarology section of The Ohio State University Entomology Collection at the Museum of Biodiversity in Columbus, OH. The majority of the types held in this collection are of species described by William Morton Barrows (1883-1946) in a series of papers between 1919 and 1945. Most of the type localities are from Ohio (Barrows 1919; Barrows 1943; Barrows and Ivie 1942), Florida (Ivie and Barrows 1935) and the Great Smoky Mountains National Park (Barrows 1940; Barrows 1945).

A total of 26 holotypes and 14 allotypes are currently held in the collection. Of the 28 named taxa of Araneae (27 Barrows names) represented by primary types in this collection, 10 have been placed in synonymy by subsequent authors. Thus a total of 18 currently valid species are represented by primary types. An additional 113 paratype specimens representing these species and an additional 20 taxa are present.

Some of the localities mentioned by William Barrows in the original type descriptions are ambiguous. For six species the locality “Rockbridge, Ohio” is designated. The problem with this locality name is that on other Barrows labels there are a variety of places near Rockbridge that have been given that name. This is inconsistent. For example, Cantwell Cliffs (a distinct locality) is, on some labels, referred to by its distinctive name, but on other labels referred to merely as “Rockbridge” or “Cantwell Cliffs, Rockbridge.” Cantwell Cliffs (39.54 N, 82.58) is approximately 6.6 km SW of the town of Rockbridge (39.58 N, 82.52 W). There is also a geologic feature called “Rockbridge” (39.57 N, 82.49 W) which was a popular picnic spot in Barrows’ time (it is now an Ohio State Nature Preserve) that is 3.1 km ESE from the town. Another confusion arises regarding the locality for the species Cybaeus silicis Barrows, 1919; “Bainbridge, Ohio.” There are actually two towns that were in existence at the time of the description which bear this name. These localities are not close to each other; one is in Ross County and the other is in Geauga County, 297 km apart. I have been unable to locate any of Barrows’ field notes or journals in The Ohio State University departmental records that might clarify this confusion. The Ross County locality is much closer to other collecting localities frequented by Barrows and contains appropriate habitat matching that in the published description.

LIST OF TYPE SPECIMENS

Amaurobiidae
Coras cavernorum Barrows, 1940

Clubionidae
Clubiona rhododendri Barrows, 1945
1 M 1 F holotype, allotype Newfound Gap, Great Smoky Mt. Nat. Pk., Tennessee. Collected 16 September 1937. Collector is unknown but label is in W. M. Barrows handwriting.

The original description mentions 3 males and 2 females and the epigynum is dissected from the female, an additional label mentions “see slide 20, Smokies, Sept 18, 1937” but the slide and other specimens in the type series are missing.

Corinnidae
Castianeira stupkai Barrows, 1940
2 M holotype, paratype Gatlinburg, in Andropogon field, Tennessee. Collected 25 June 1936. Collector is unknown but label is in W. M. Barrows handwriting.

These 2 specimens are in the same vial, unsorted.

Cybaeidae
Cybaeus giganteus Banks, 1892
1 M holotype, allotype Bainbridge, Ohio. Collected 17 August 1917 by W. M. Barrows

Dictynidae
Cicurina alpicora Barrows, 1945
1 M holotype Spence Field Great Smoky Mt. Nat. Pk.,

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Tennessee. Collected 30 September 1937. Label is in W. M. Barrows’ handwriting and was presumably collected by him or Art Stupka.

**Gnaphosidae**

*Drausodes auriculoides* Barrows, 1919
1 F holotype Rockbridge, Ohio. Collected 30 September 1917 by W. M. Barrows. [“one female under a board in a high dry pasture, Rockbridge, Ohio, September 30, 1917”]

*Micaria gertschi* Barrows and Ivie, 1942
The holotype male is held in collections of the American Museum of Natural History.
1 M 6 F (paratypes) Prairie N.W. of Marion, Ohio. Collected 13 June 1941 by W. M. Barrows.

**Prosthesitna lacca** Barrows, 1919 [current name *Zelotes laccus* (Barrows, 1919)]
1 M holotype Columbus, Ohio. Collected 10 June 1917 by W. M. Barrows. The specimen is disarticulated.
9 M 5 F (paratypes) Rockbridge, Ohio. Females collected on 5 June 1922 and males collected on 1 June 1925 by W. M. Barrows.

**Prosthesima lutea** Barrows, 1919 [current name *Litopylus temporarius* Chamberlin, 1922]
1 M holotype Sugar Grove, Ohio. Collected 01 July 1915 by W. M. Barrows.
1 F (paratype) Sugar Grove, Ohio. Collected 26 October 1918 by W. M. Barrows.

**Zelotes hentzi** Barrows, 1945
2 M holotype, paratype Rockbridge, Ohio. Collected 01 July 1916 by W. M. Barrows.
7 F allotype, paratypes Rockbridge, Ohio. Collected 22 July 1938 by W. M. Barrows.
Presumably these are the types but additional females from Great Smoky Mountains National Park are not in the vials.

**Lepthyphantes ornithes** Barrows, 1940 [current name *Taranucnus ornithes* (Barrows, 1940)]
1 M 2 F holotype, allotype, paratype Sugar Grove, Ohio. Collected 26 October 1918 by W. M. Barrows. There are two females in the vial and the second is probably the paratype female mentioned in Barrows’ original description as from Little River, Great Smoky Mountain National Park, Tennessee, from 3 September 1936 but there is no label with that data in the vial. A separate typed label by P. J. van Helsdingen 1970 identifies these specimens as the “TYPE-SERIES 2F 1M.”

**Microneta olivena** Barrows, 1940 [current name *Meioeta angulata* (Emerton, 1882)]
1 M holotype Camp No. 1 near Gatlinburg, Great Smoky Mt. Nat. Pk., Tennessee. Collected March 1937, label in W. M. Barrows’ handwriting and presumably collected by him. Published description says “one male, one female” but the female (allotype) is missing.

**Microneta tennapex** Barrows, 1940 [current name *Centromerus tennapax* (Barrows, 1940)]
1 M 1 F holotype, allotype Summit Clingman’s Dome, Great Smoky Mt. Nat. Pk. Collected 19 March 1937, label in W. M. Barrows’ handwriting and presumably collected by him. The original description mentions “several males and several females” but no other specimens have been located and no types were designated by Barrows.

**Sisicottus hibernus** Barrows, 1945 [current name *Carorita hiberna* (Barrows, 1945)]
1 M holotype Mingus Creek, Great Smoky Mt. Nat. Pk. Collected 01 February 1943 by W. M. Barrows and A. Stupka.

**Souessa nasuta** Barrows, 1943 [current name *Goneatara nasuta* (Barrows, 1943)]
1 M holotype Prairie N.W. of West Jefferson, Ohio. Collected 28 September 1923 by W. M. Barrows.
1 F allotype Prairie N.W. of West Jefferson, Ohio. Collected 19 October 1924 by W. M. Barrows.

**Tapinocyba emertoni** Barrows and Ivie, 1942
2 M holotype, paratype Rockbridge, Ohio. Collected 23 March 1928 by W. M. Barrows. These two males were together in a vial with the “type” label and are thus confused.
1 M 3 F paratypes Cantwell Cliffs, Ohio. Collected 06 November 1938 by W. M. Barrows.

**Philodromidae**

**Ebo contrastus** Sauer and Platnick, 1972
1 F allotype Fort Myers, Florida. Collected 28 January 1941 by W. M. Barrows.

**Salticidae**

**Phidippus hirsutus** Barrows, 1919 [current name *Phidippus mystaceus* (Hentz, 1846)]
1 M holotype Cantwell Cliffs, Ohio. Collected 4 October 1914 by W. M. Barrows.
Phidippus hirsutus Barrows, 1919 [current name Phidippus princeps (Peckham and Peckham, 1883)]
1 F allotype Rockbridge, Ohio. Collected 6 July 1913 by W. M. Barrows.

Pseudiclus lecontei Barrows, 1940 [current name Sassacus papenboei (Peckham and Peckham, 1895)]
1 M holotype Top of LeConte [Mt. LeConte, Great Smoky Mt. Nat. Pk.], Tennessee. Collected August 1937 by W. M. Barrows.

Sassacus snaragdinus Barrows, 1919 [current name Sassacus papenboei (Peckham and Peckham, 1895)]
1 F holotype Rockbridge, Ohio. Collected 08 July 1918 by W. M. Barrows.

Sitticus cursor Barrows, 1919
1 M holotype Columbus, Ohio. Collected 23 September 1917 by W. M. Barrows.
2 F (allotype, paratype) allotype Buckeye Lake, Ohio. Collected 24 June 1917 by W. M. Barrows. Paratype Columbus, Ohio. Collected 24 June 1918 by W. M. Barrows. These two female specimens are combined in one vial.

**Theridiidae**

Dipoena munda Barrows and Ivie, 1942 [current name Euryopis quinquemaculata Banks, 1900]
2 M holotype, paratype Rockbridge, Ohio. Collected 06 June 1922 by W. M. Barrows.
2 F allotype, paratype Cantwell Cliffs, Ohio. Collected 01 June 1925 by W. M. Barrows.
All four specimens are unsorted in the same vial.

Theridium lowriei Barrows, 1945 [current name Theridion aurantium Emerton, 1915]
1 F holotype Mt. LeConte heath bald quad 6500 ft, Sevier County, Tennessee. Additional label says that the cleared epigynum was mounted on “slide number 24” which is missing.

Theridium sex-setosum Barrows, 1940 [current name Graphomoma theridioides Chamberlin, 1924 [Linyphiidae]]

**Thomisidae**

Oxyptila Marsballi Barrows, 1919 [current name Oxyptila modesta (Scheffer, 1904)]
1 M holotype Sugar Grove, Ohio. Collected 11 September 1917 by W. M. Barrows.

**ADDITIONAL PARATYPE MATERIAL**

These specimens were either examined by the author of the species or were explicitly labeled as “paratypes.” They are in addition to any paratypes mentioned in the above list. They were not, in every case, listed by the author in the type description series. For brevity only the names and sexes are included here.

Agelenidae
Agelenopsis callida Gertsch [I cannot find this name published] (2 M 3 F)

Ctenidae
Ctenus capitosus Gertsch, 1935 (1 M)

Cyrtarachneidae
Myrmecestriata torreyi Gertsch and Wallace, 1936 (8 F)

Gnaphosidae
Callilepis uayanes Gertsch [I cannot find this name published] (1M, 1F)

Gnaphosidae
Drassylus alachua Platnick and Shadab, 1982 (2 M 1 F)

Gnaphosidae
Drassylus creolus Chamberlin and Gertsch, 1940 (1 M)

Gnaphosidae
Micaria seminola Gertsch, 1942 (1 F)

Gnaphosidae
Prosphesima lacca Barrows, 1919 (15 M 9 F)

Gnaphosidae
Zeolos bentzii Barrows, 1945 (4 M 4 F)

Hahnidae
Habnia cinerea seminola Gertsch, 1934 (1 M 18 F)

Linyphiidae
Lepthyphantes ornithes Barrows, 1940 (1 F)

Linyphiidae
Souessa nasuta Barrows, 1943 (1 M 3 F)

Linyphiidae
Grammonota chamberlini Ivie and Barrows, 1935 (3 M 1 F)

Lycosidae
Arctosa sanctae-rosae Gertsch and Wallace, 1935 (1 M)

Lycosidae
Lycosa osceola Gertsch and Wallace, 1935 (1 F)

Philodromidae
Philodromus barrowsi Gertsch, 1934 (1 M)

Salticidae
Phelipinus altamus Gertsch, 1934 (1 M 1 F)

Theridiidae
Tberidion arcadicum Gertsch and Archer, 1942 (1 F)

Theridiidae
Tberidion paradisiacum Gertsch and Archer, 1942 (2 F)

Theridiidae
Tberidion serenocae Gertsch and Archer, 1942 (1 F)

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**LITERATURE CITED**
