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CHECKLIST OF AMERICAN ULOBORIDAE (ARACHNIDA: ARANEAE)Brent D. Opell¹

ABSTRACT

Names, synonyms, and distributions of uloborid spiders known from North, Central, and South America are provided.

The first comprehensive revision of American Uloboridae was Muma and Gertsch's (1964) treatment of the family's United States and Canadian members. This was followed by Lehtinen's (1967) reevaluation of the family's generic division, Chickering's (1968) study of Panamanian and West Indian *Miagrammopes* and Opell's (1979) revision of all Mexican and Central and South American Uloboridae except members of the genus *Miagrammopes*. Studies by Lubin et al. (1982) and Opell (1981, 1982) brought the number of known American uloborid genera to 14 and the number of recognized species to 71.

The purpose of this list is to provide ready access to the names, synonyms, nomenclatural changes, and general distribution of the American Uloboridae. As a revision of *Miagrammopes sensu lato* (*Huanacauria*, *Miagrammopes*, *Mumaia*, *Miagrammopsidis*, and *Ranguma*, the latter two not represented in the New World) nearing completion will render obsolete any listing of these species, they are only summarized. Included are all other known taxa except the following which, largely due to the unavailability of type material, are of uncertain status: *Uloborus minutus* Mello-Leitão, *U. tetramaculatus* Mello-Leitão, *U. formosus* Marx (in Banks), *U. ater* Mello-Leitão, *Petrunkévitchia venusta* Mello-Leitão, and *P. pusilla* Mello-Leitão. Genera are arranged according to Opell's (1979) phylogenetic hypothesis. Within each genus, species are arranged alphabetically, the only exception being in *Philoponella* where species are listed under three groups. The type species of each genus, if not included in a generic synonym or listed below the genus name, is marked by an asterisk. A colon following a name denotes the first transfer of the species to the cited genus.

Five genera (*Uloborus*, *Zosis*, and *Philoponella*, *Miagrammopes* and the closely related *Mumaia*) and four species (*U. campestratus*, *U. segregatus*, *Z. geniculatus* and *P. semiplumosa*) are found in North, Central, and South America. *Uloborus trilineatus*, *P. republicana* and *P. tingena* are found in both Central and South America and *Mumaia mexicana* in both North and Central America. As Figure 1 shows, the greatest number and percent of endemic genera and species are found in South America and the least in North America. Because this evaluation may be biased by the number of named *Miagrammopes* species, totals exclusive of these species are also provided.

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Collections made by William G. Eberhard in Colombia and Costa Rica extended the known ranges of several Central and South American species. Preparation of this list was supported in part by National Science Foundation grant DEB-8011713.

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	NORTH AMERICA (Canada, United States, N. Mexico)	CENTRAL AMERICA (S. Mexico through Panama & W. Indies)	SOUTH AMERICA (South of Panama)
ENDEMIC GENERA	<u>Siratoba</u> (in America <u>Hyptiotes</u> & <u>Otonoba</u> are only in N.A.)	<u>Ariston</u>	<u>Conifaber</u> , <u>Sybota</u> , <u>Huanacauria</u> , <u>Orinomana</u> , <u>Ponella</u>
TOTAL NUMBER OF GENERA	8	6	10
ENDEMIC SPECIES	11 (11)	23 (6)	29 (16)
TOTAL NUMBER OF SPECIES	16 (15)	31 (12)	36 (22)

Fig. 1. Distribution and number of known American uloborid taxa. Numbers in parentheses indicate totals exclusive of members of the closely related genera *Huanacauria*, *Miagrammopes*, and *Mumia*.

ARISTON O. Pickard-Cambridge 1896. 3 species.

- **A. albicans* O. Pickard-Cambridge 1896. SE Mexico and Honduras.
A. aristus Opell 1979. Panama.
A. mazolus Opell 1979. SW Mexico.

HYPTIOTES Walckenaer 1837. 4 species.

- Mithras* (preoccupied) C. L. Koch 1834. Type—*M. paradoxus* C. Koch 1834.
Uptiotes Walckenaer 1837. Type—*U. anceps* Walckenaer 1837.
Hyptiotes: Erickson 1845, emendation.
Cyllopodia Hentz 1847. Type—*C. cavatus* Hentz 1847.

- H. cavatus* (Hentz) 1847. E half of U.S. and Canada.
H. gertschi Chamberlin & Ivie 1935. W U.S. and Canada.
H. puebla Muma & Gertsch 1964. SW U.S.
H. tehama Muma & Gertsch 1964. Central W U.S.

SIRATOBA Opell 1979. 2 species.

Ariston (in part) O. Pickard-Cambridge 1896.

- **S. referena* (Muma & Gertsch) 1964. SW U.S. and N Mexico.
S. sira Opell 1979. Central Mexico.

HUANACAURIA Lehtinen 1967.

Type—*Miagrammopes bambusicola* Simon 1892.

Miagrammopes (in part) O. Pickard-Cambridge 1869.

- 3 species. Brazil (2), Venezuela (1).

MIAGRAMMOPE O. Pickard-Cambridge 1869.Type—*M. thwaitesii* O. Pickard-Cambridge 1869.

22 species. Antilles (1), Brazil (6), Cuba (2), Guiana (1), Jamaica (3), Panama (7), Puerto Rico (1), Venezuela (1), Virgin Islands (1).

MUMAJA Lehtinen 1967.Type—*Miagrammopes corticeus* Simon 1892.

Miagrammopes (in part) O. Pickard-Cambridge, 1869.

6 species. Antiles (1), Argentina (1), Mexico (1), Panama (1), Puerto Rico (2), St. Vincent (1), U.S. (1), Venezuela (1), Virgin Islands (1).

SYBOTA Simon 1892. 3 species.

Sylvia (preoccupied) Nicolet 1849.

Sybota Simon 1892, replacement name for *Sylvia*.

S. abdominalis (Nicolet) 1849. Chile.

**Sylvia abdominalis* Nicolet 1849.

Sylvia ater Nicolet 1849.

Sylvia similis Nicolet 1849.

Sylvia rubiginosa Nicolet 1849.

Sylvia vittata Nicolet 1849.

Uloborus abdominalis: Simon 1887.

Sybota abdominalis: Simon 1892.

S. mendozae Opell 1979. Argentina.

S. osornis Opell 1979. Chile.

ORINOMANA Strand 1934. 2 species.

Orinomus (preoccupied) Chamberlin 1916.

Orinomana Strand 1934, replacement name for *Orinomus*.

O. bituberculata (Keyserling) 1882. Peru.

Uloborus bituberculatus Keyserling 1882.

**Orinomus lamprus* Chamberlin 1916.

Orinomana lampra: Strand 1934.

O. mana Opell 1979. Chile.

ULOBORUS Latreille 1806. 8 species.

Uloborus Latreille 1806. Type—*Uloborus walckenaerius* Latreille 1806.

Phillyra Hentz 1850. Type—*Phillyra mammeata* Hentz 1850.

Veleda Blackwall 1859. Type—*Veleda lineata* Blackwall 1859.

Philoponus Thorell 1887. Type—*Philoponus pteropus* Thorell 1887.

U. campestratus Simon 1893. SE U.S. through N South America.

U. cinereus O. Pickard-Cambridge 1898.

U. spernax O. Pickard-Cambridge 1898.

U. diversus Marx, in Banks 1898. W U.S. and NW Mexico.

U. albineus Marx, in Banks 1898.

U. californicus Banks 1904.

U. utahensis Chamberlin 1919.

U. saphes Chamberlin 1924.

U. crepedinis Chamberlin 1924.

- U. eberhardi* Opell 1981. Costa Rica.
U. elongatus Opell 1982. Argentina.
U. glomosus (Walckenaer) 1847 (1842). E half of U.S. & Canada, N. Mexico.
Epeire glomosa Walckenaer 1837 (1842).
Phillyra mammeata Hentz 1850.
Phillyra riparia Hentz 1850.
Uloborus plumipes: Emerton 1888.
Uloborus americanus: Comstock 1912 (1913).
Uloborus glomosus: Chamberlin & Ivie 1944.
U. metae Opell 1981. E central Colombia.
U. segregatus Gertsch 1936. Texas through N South America.
U. trilineatus Keyserling 1882. S. Mexico through South America.
U. penicillatus Simon 1891.
U. aegrotus Simon 1893.
U. maniculatus Simon 1893.
U. bucki Mello-Leitão 1943
U. plumipes Mello-Leitão 1947.
U. plumipedatus Roewer, 1951 replacement name for
U. plumipes Mello-Leitão, preoccupied by *U. plumipes* Lucas 1846.

ZOSIS Walckenaer 1837. 2 species.

- Uloborus* (in part) Latreille 1806.
Zosis Walckenaer 1837. Type—*Zosis caraibe* Walckenaer 1837.
Orithyia Blackwall 1858. Type—*Orithyia williamsii* Blackwall 1858.
- Z. geniculatus* (Olivier) 1789. pantropical.
Aranea geniculata Olivier 1789.
Zosis caraibe Walckenaer 1837.
Uloborus zosis Walckenaer 1841.
Uloborus latreillei Thorell 1858.
Orithyia williamsii Blackwall 1858.
Uloborus domesticus Doleschall 1859.
Orithyia luteola Blackwell, 1865.
Uloborus williamsii: O. Pickard-Cambridge 1871.
Uloborus geniculatus: Thorell 1890.
Uloborus luteolus: Roewer, 1954.
Zosis geniculatus: Lehtinen 1967.
- Z. peruvianus* (Keyserling) 1882. E central Colombia to N central Brazil to N central Argentina.
Uloborus peruvianus Keyserling 1882.
Uloborus peruvianus: Bonnet 1959, emendation.
Zosis peruvianus: Opell 1981.

OCTONOA Opell 1979. 1 species.

- Uloborus* (in part) Latreille 1806.
- **O. octonaria* (Muma) 1945. Central and SE U.S.
Uloborus octonarius Muma 1945.
Octonoba octonaria: Opell 1979.

CONIFABER Opell, in Lubin et al. 1982. 1 species.

- **Conifaber parvus* Opell, in Lubin et al. 1982. E central Colombia.

PONELLA Opell 1979. 1 species.

Uloborus (in part) Latreille 1806.

**P. lactescens* (Mello-Leitão). 1947. Paraguay and S. Brazil.

Uloborus lactescens Mello-Leitão 1947.

Ponella lactescens: Opell 1979.

PHILOPONELLA Mello-Leitão 1917. 15 species.

Uloborus (in part) Latreille 1806.

Philoponella Mello-Leitão 1917.

Philoponella republicana species group Opell 1979.

P. divisa Opell 1979. N South America.

**P. republicana* (Simon) 1891. Panama & South America.

Uloborus republicana Simon, 1891.

Uloborus cuminamensis Mello-Leitão 1930.

Uloborus mundior Chamberlin & Ivie 1936.

Zosis mundior: Lehtinen 1967.

Philoponella republicana: Opell 1979.

P. signatella (Roewer) 1951. SE Mexico through Honduras.

Uloborus signatus O. Pickard-Cambridge 1898.

Uloborus signatellus Roewer 1951, replacement name for preoccupied

U. signatus O. Pickard-Cambridge 1898.

Philoponella signatella: Opell 1979.

P. tingena (Chamberlin & Ivie) 1936. Costa Rica through Colombia.

Uloborus tingnes Chamberlin & Ivie 1936.

Philoponella tingena: Opell 1979.

P. vicina (O. Pickard-Cambridge) 1898. S Mexico through Central America.

Uloborus vicinus O. Pickard-Cambridge 1898.

Philoponella vicina: Opell 1979.

Philoponella semiplumosa species group Opell 1979.

P. arizonica (Gertsch) 1936. Arizona.

Uloborus arizonicus Gertsch 1936.

Philoponella arizonica: Opell 1979.

P. oweni (Chamberlin) 1924. SW U.S.

Uloborus oweni Chamberlin 1924.

Philoponella oweni: Opell 1979.

P. semiplumosa (Simon) 1893. Texas through N South America.

Uloborus semiplumosus Simon 1893.

Uloborus variegatus O. Pickard-Cambridge 1898.

Uloborus abstrusus Gertsch & Davis 1942.

Philoponella semiplumosa: Opell 1979.

P. subvittata Opell 1981. Guyana.

P. vittata (Keyserling) 1882. South America.

Uloborus vittatus Keyserling 1882.

Uloborus servulus Simon 1892.

Uloborus semiargenteus Simon 1893.

Uloborus amazonicus Mello-Leitão 1949.

Philoponella vittata: Opell 1979.

Philoponella fasciata species group Opell 1979.

- P. bella* Opell 1979. NE Colombia.
P. collina (Keyserling) 1882. Peru.
Uloborus collinus Keyserling 1882.
Philoponella collina: Opell 1981.
P. fasciata Mello-Leitão 1917. SE Brazil & Paraguay.
Uloborus fasciatus Mello-Leitão 1917.
Philoponella fasciata: Opell 1979.
P. para Opell 1979. Paraguay.

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