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## An Updated Checklist of the Spiders (Arachnida: Araneae) of Arkansas

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### Cover Page Footnote

First, we need to recognize our coauthor, Dr. Peggy R. Dorris, for her pioneering work on the distribution and biology of the spiders of Arkansas and for sharing her experience and knowledge of Arkansas spiders over the years with us. In addition, we thank the following for loan of specimens, collections, and aid of various kinds: Lynne C. Thompson (UAM), Chris E. Carlton (LSU), David Saugey (USDA FS), Ashley Downing (UA), Ray Fisher (UA), Michael L. Draney (UW-Green Bay), and Nina Sandlin (UW-Green Bay). Appreciation is expressed to Joe Kremers, Clarksville, for his avid collecting in Johnson County. HWR thanks former SAU students Janet Rader, Christa Marsh, Lindsay Robison, and Patrick Robison for their assistance in the field on collecting trips, for use of their respective collections of spiders, and for assisting with other logistical duties. Special appreciation is expressed to Ms. Donna McCloy, Librarian at Southern Arkansas University for facilitating ILL requests by HWR during this study. Her promptness in delivery of critical literature was vital to this study. Thanks also to Steve Schilling, volunteer in the DMNS arachnology lab, for searching Zoological Records for additional Arkansas Araneae records. Thanks also to Kathy Honda, DMNS volunteer, for locating hard-to-find references. The Arkansas Game and Fish Commission provided Scientific Collecting Permits to HWR and RT. Hank Guarisco and an anonymous reviewer provided extremely helpful comments to revise the paper.

# An Updated Checklist of the Spiders (Arachnida: Araneae) of Arkansas

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## Abstract

A total of 510 species of spiders representing 43 families and 215 genera are herein reported from Arkansas. The most diverse families of state spiders were Salticidae (64 species), Lycosidae (59 species), Araneidae (55 species), and Gnaphosidae (54 species). Twelve families had only a single representative species in the state. Additional taxa will surely be added to the checklist with future taxonomic studies incorporating molecular analyses and additional collecting. This updated checklist is intended to be of use to arachnologists, researchers, naturalists, professional biologists, and managers in determining the biodiversity for Arkansas. We have worked to insure that the taxonomy of the spiders documented in Arkansas is current and authoritative.

## Introduction

Spiders (order Araneae) are an extremely diverse group of arachnids. There are currently over 49,000 spider species known to exist worldwide (World Spider Catalog 2021). In North America alone there are approximately 3,800 known species of spiders (Bradley 2013) with many undescribed or undiscovered species remaining.

North American spiders are divided taxonomically into 2 primary groups: Mygalomorphae and Araneomorphae. Most Arkansas spiders are araneomorphs, i.e. they possess fangs that slant toward each other (Fisher and Dowling 2017). Mygalomorphs possess fangs that point straight down and include tarantulas, trap-door spiders, and their relatives.

The major objective of this study is to provide an updated checklist of the spiders currently known from Arkansas so that state biologists, students, naturalists, resource managers, and interested parties have a comprehensive list available to them. An accurate record of state species is important for determining

species ranges and for informing policies regarding land management and conservation (Milne *et al.* 2019). We derived this list from previous publications, most by Peggy Dorris, as well as other publications, collections by H. W. Robison, and from Arkansas records recorded in the Symbiota Collections of Arthropods (SCAN) database (<https://scan-bugs.org/portal/>). It is important to note that the Arkansas species included in the SCAN database are “ground-truthed” and based upon verifiable specimens. However, the species in the appendix were based largely upon published records and we were unable to locate the majority of specimens in existing collections. Arkansas records included in the SCAN database are marked in the appendix with an asterisk.

## Historical Review of Spider Research in Arkansas

Previous species lists of the spiders of Arkansas were published primarily by Peggy Dorris and co-authors (Beck and Dorris 1982, 1983; Dorris 1968, 1969, 1972, 1980, 1985, 1989, 1991; Dorris and Burnside 1977; Dorris and Burris 1992; Dorris and Saugey 1983; Dorris and Thompson 1986; Dorris *et al.* 1995; Hill *et al.* 1995; Parker and Dorris 1995). Dorris’ studies used taxonomic keys by Comstock (1982), Emerton (1902), Gertsch (1979), Heiss and Allen (1986), and Kaston (1948, 1982) to aid in identification of Arkansas spiders. Heiss also contributed significantly to our knowledge of faunal diversity of Arkansas spiders (Heiss 1977, 1984; Heiss and Meisch 1985; Heiss and Allen 1986; Heiss *et al.* 1988).

Two gnaphosid spiders new to Arkansas were described by Exline (1962). Later, McDaniel *et al.* (1979) and Peck and Peck (1982) documented spider species from Arkansas caves while Dorris and Saugey (1983) reported spiders inhabiting state abandoned mines and tunnels. Dorris *et al.* (1995) collected 102 forest litter samples from 14 localities in the Ouachita and Ozark Mountains, which revealed 17 families and

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56 species among 51 genera of spiders including 19 species previously unrecorded for the state.

Most early research in the 1960s on spiders in Arkansas consisted of simple faunal lists of spiders found on cotton compiled by W. H. Whitcomb and his associates (Whitcomb 1967; Whitcomb and Bell 1964; Whitcomb *et al.* 1963a, 1963b), and as predators of the fall webworm (Whitcomb and Tadic 1963; Warren *et al.* 1967). Peck *et al.* (1971) studied spiders associated with shortleaf (*Pinus echinata*) and loblolly pine (*Pinus taeda*). Peck and Whitcomb (1978) studied the phenology and populations of cursorial spiders in a forest and a pasture. Such studies of the economic impact of spiders on various plants continued to be published as Dorris (1970) studied impact of insecticides on spider populations in a cotton field, and Heiss (1984) and Heiss and Meisch (1985) worked on spiders in rice fields. By use of pitfall traps, Dorris and Thompson (1986) documented the spiders occurring in pine and hardwood forests. Hill *et al.* (1995) reported spiders collected in pit traps in Drew County from different silvicultural systems and included a species list and observations on behavior and habitats.

Additional records of Arkansas spider species have been published in various taxonomic revisions and faunal lists (Archer 1951; Baldrige and Moran 2001; Bishop 1924; Bond and Platnick 2007; Chamberlin and Ivie 1942; Cutler 1987; Dondale and Miller 2020; Dondale and Redner 1978a, 1978b; Dupérré 2013; Edwards 2004; Gertsch 1973, 1992; Hamilton *et al.* 2018; Howell and Jenkins 2004; Maddison 1996; Marusik and Koponen 1992; Muma and Gertsch 1964; Platnick and Shadab 1976, 1983; Vogel 2004; Wallace and Exline 1978; Whitman-Zai *et al.* 2015).

William Baerg (1885–1980), a professor at the University of Arkansas and the father of American tarantula research, originally studied the brown tarantula, *Aphonopelma hentzi* (Gerard), in Arkansas (Baerg 1929, 1938, 1958). Baerg (1936) and Baerg (1959) studied the black widow and 5 other venomous spiders in the United States. Additional studies on the life history or aspects of the natural history of particular species of Arkansas spiders also have been published over the years (Eason 1964, 1969; Eason and Whitcomb 1965; Whitcomb *et al.* 1966; Vetter and Rust 2010; Hogland *et al.* 2017). More recently, studies of state spiders by Tumilson and Robison (2010) documented *Trichonephilia clavipes* (Linnaeus) in southern Arkansas while Tumilson *et al.* (2016) reported on behavior and foods of *T. clavipes*. In an informative recent monograph, Hardy (2018) described ecological observations of the Trapdoor Spider,

*Myrmekiaphila comstocki*, in the Ouachita Mountains, AR.

## Methods

This updated checklist of spiders is based primarily on personal collections from 1966 to 2019, published and unpublished records available to the authors, and a thorough literature and museum search. In order to develop an updated checklist of the spiders of Arkansas we embarked on a 5 part strategy including: (1) use of personal collections of Arkansas spiders by P. R. Dorris, H. W. Robison, R. Tumilson, C. E. Carlton, J. Kremers, and former SAU student collections, (2) collections of Arkansas spider specimens currently deposited in SCAN, (3) a thorough literature search of Arkansas spider records, including studies and autistic investigations specifically targeting spiders in Arkansas, as well as records gleaned from broader research, (4) use of previous collection records from museums at the Smithsonian Institution, Denver Museum of Nature & Science, Henderson State University, Southern Arkansas University, University of Arkansas, and University of Mississippi, and (5) an on-going, state-wide collection effort of litter sampling, pitfall traps, and hand collecting of spiders in the 6 physiographic regions of Arkansas (Pell 1983), namely the Ozark Mountains, Arkansas Valley, Ouachita Mountains, West Gulf Coastal Plain, Mississippi Alluvial Plain, and Crowley's Ridge. Additional unpublished records and unidentified material also were obtained from the institutions listed above. In addition, a former volunteer with the DMNS arachnology collection, Nancy Bray, has been collecting spiders from her home and environs in Arkansas, contributing significant records of Arkansas spiders to the SCAN Symbiota database.

Because of the loss of some previous spider collection records at various institutions, it was impossible to verify every spider record from Arkansas reported in previous studies. However, we were able to use previous personal collection records of Arkansas spiders from pitfall trap collections, sweeping of vegetation, hand picking, and litter substrate sampling aiding in developing this checklist of Arkansas spiders. Spiders were obtained from approximately 500 collections made between the mid-1960s and 2000 by individuals noted previously in part 1 of our strategies. Between 1960 and 2019, ca. 250 hand collections of spiders and ca. 200 pitfall trap collections were made by HWR from the Ozark and Ouachita Mountains,

Arkansas River Valley, as well as collections from the Gulf Coastal and Mississippi Alluvial plains. In addition, spider collections also were made by hand collecting and sweeping vegetation with an insect net in various areas of the state. Identifications of spiders were made initially by PRD, HWR, and RT.

Taxonomic studies have changed names, added new names, redefined distributions of some taxa, and some reported species may have been misidentified in the past. Thus, some of the names of spiders found in earlier works regarding spiders in Arkansas are now excluded, and new names and taxa are included. The newly updated state checklist of the spiders including current taxonomy and new records of species occurrence in Arkansas is provided as Appendix 1. Use of available common names for species in the Appendix follows Breene *et al.* (2003). SCAN Symbiota specimens were identified using keys in Ubick *et al.* (2005).

## Results and Discussion

Presently, Arkansas has 5 mygalomorph families with 8 species in total. Six species of Arkansas mygalomorphs are trap-door spiders (Euctenizidae, Antrodiaetidae, and Halonoproctidae) while the Theraphosidae contains the largest spider in Arkansas, the Texas brown tarantula (*Aphonopelma hentzi*).

Our study found a total of 510 spider species within 215 genera and 43 families currently known to inhabit Arkansas (Appendix 1). The 4 most speciose families were the Salticidae (64 species, 31 genera), Lycosidae (59 species, 16 genera), Araneidae (55 species, 25 genera) and Gnaphosidae (54 species, 17 genera). Twelve families (Atypidae, Euctenizidae, Theraphosidae, Dysderidae, Filistatidae, Leptonetidae, Liocranidae, Miturgidae, Nesticidae, Scytotidae, Segestriidae, and Theridiosomatidae) had only 1 species represented in each family.

Spiders of medical importance to humans living in Arkansas include the brown recluse spider, *Loxosceles* species in the family Sicariidae and the black widow spiders, *Lactrodectus* species in the family Theridiidae. Although 2 species of *Loxosceles* and 4 species of *Lactrodectus* have been reported from Arkansas, only *Lactrodectus mactans* and *Loxosceles reclusa* have been “ground-truthed” (verified by keying of specimens in collections, and indicated by an asterisk in Appendix 1). The other reported species in these 2 genera need to be verified by specimens deposited in museum collections. Much early research was done on the brown recluse in Arkansas as studies by Dillaha *et al.*

(1963), Hite *et al.* (1966) and more recently by Vetter and Rust (2010) attest.

Of the 510 species of spiders documented from Arkansas, none is endemic to the state (Robison and Allen 1995), although there are a number of regional endemics known from the Interior Highlands region.

Currently, there are several new spider species being described including a widespread mountainous species (Michael L. Draney and Nina Sandlin, pers. comm.), thus our eventual number of spider species will definitely increase as more collecting is done and molecular research elsewhere is completed. Collecting also continues across the state by the authors and others in all physiographic regions and will reveal more about spider distributions in Arkansas.

## Acknowledgments

First, we need to recognize our coauthor, Dr. Peggy R. Dorris, for her pioneering work on the distribution and biology of the spiders of Arkansas and for sharing her experience and knowledge of Arkansas spiders over the years with us. In addition, we thank the following for loan of specimens, collections, and aid of various kinds: Lynne C. Thompson (UAM), Chris E. Carlton (LSU), David Saugey (USDA FS), Ashley Downing (UA), Ray Fisher (UA), Michael L. Draney (UW-Green Bay), and Nina Sandlin (UW-Green Bay). Appreciation is expressed to Joe Kremers, Clarksville, for his avid collecting in Johnson County. HWR thanks former SAU students Janet Rader, Christa Marsh, Lindsay Robison, and Patrick Robison for their assistance in the field on collecting trips, for use of their respective collections of spiders, and for assisting with other logistical duties. Special appreciation is expressed to Ms. Donna McCloy, Librarian at Southern Arkansas University for facilitating ILL requests by HWR during this study. Her promptness in delivery of critical literature was vital to this study. Thanks also to Steve Schilling, volunteer in the DMNS arachnology lab, for searching Zoological Records for additional Arkansas Araneae records. Thanks also to Kathy Honda, DMNS volunteer, for locating hard-to-find references. The Arkansas Game and Fish Commission provided Scientific Collecting Permits to HWR and RT. Hank Guarisco and an anonymous reviewer provided extremely helpful comments to revise the paper.

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## Spiders of Arkansas

Appendix 1. An updated checklist of the spiders of Arkansas. \*indicates species verified from museum collections and included in the SCAN Symbiota database (<https://scan-ugs.org/portal/sitemap.php>). Common names are included for those taxa listed in Breene *et al.* (2003). Some species added to this list based on non-Arkansas literature are followed by specific citations.

**INFRAORDER MYGALOMORPHAE****Antrodiaetidae** – [foldingdoor spiders]

*Antrodiaetus stygius* Coyle (Coyle 1971)

*Antrodiaetus unicolor* (Hentz)

**Atypidae** – [purseweb spiders]

*Sphodros fitchi* Gertsch and Platnick (Gertsch and Platnick 1980)

**Euctenizidae**

\**Myrmekiaphila comstocki* Bishop and Crosby

**Halonoproctidae**

*Ummidia audouini* (Lucas)

*Ummidia beatula* (Gertsch and Mulaik)  
(Godwin and Bond 2021)

*Ummidia macarthuri* Godwin and Bond (Godwin and Bond 2021)

**Theraphosidae** – [tarantulas]

*Aphonopelma hentzi* (Girard) – [Texas brown tarantula]

**INFRAORDER ARANEOMORPHAE****Agelenidae** – [funnel weavers]

*Agelenopsis emertoni* Chamberlin and Ivie

\**Agelenopsis kastoni* Chamberlin and Ivie

\**Agelenopsis naevia* (Walckenaer)

\**Agelenopsis oklahoma* (Gertsch)

*Agelenopsis pennsylvanica* (C. L. Koch)

\**Agelenopsis utahana* (Chamberlin and Ivie)

\**Coras kisatchie* Muma

\**Coras lamellosus* (Keyserling)

*Coras medicinalis* (Hentz)

*Coras montanus* Emerton

*Tegenaria domestica* (Clerck) – [barn funnel weaver]

**Amaurobiidae** – [hackledmesh weavers]

*Amaurobius ferox* (Walckenaer)

*Callobius bennetti* (Blackwall)

*Cybaeopsis tibialis* (Emerton)

**Anyphaenidae** – [ghost spiders]

*Anyphaena celer* (Hentz)

*Anyphaena fraterna* (Banks) (Platnick 1974)

*Anyphaena maculata* (Banks)

*Arachosia cubana* (Banks) (Platnick 1974)

\**Hibana cambridgei* (Bryant)

\**Hibana gracilis* (Hentz) – [garden ghost spider]

*Hibana velox* (Becker)

*Lupettiana mordax* (O. Pickard-Cambridge)

*Wulfila saltabundus* (Hentz)

**Araneidae** – [orbweavers]

*Acacesia hamata* (Hentz)

*Acanthepeira stellata* (Walckenaer) –

[starbellied orbweaver]

*Acanthepeira venusta* (Banks)

*Araneus bicentenarius* (McCook)

\**Araneus bonsallae* (McCook)

*Araneus carrolli* Levi (Levi 1973)

*Araneus cavaticus* (Keyserling) – [barn orbweaver]

\**Araneus cingulatus* (Walckenaer)

*Araneus gadus* Levi (Levi 1973)

*Araneus gemmoides* Chamberlain and Ivy

*Araneus guttulatus* (Walckenaer)

*Araneus juniperi* (Emerton)

*Araneus marmoreus* Clerck – [marbled orbweaver]

*Araneus miniatus* (Walckenaer)

*Araneus nordmanni* (Thorell)

\**Araneus partitus* (Walckenaer)

*Araneus pegnia* (Walckenaer)

*Araneus pratensis* (Emerton)

*Araneus thaddeus* (Hentz) – [lattice orbweaver]

*Araniella displicata* (Hentz) – [sixspotted orbweaver]

\**Argiope aurantia* Lucas – [yellow garden spider]

*Argiope trifasciata* (Forsskål) – [banded garden spider]

\**Colpopeira catawba* (Banks)

*Cyclosa conica* (Pallis) [trashline orbweavers]

*Cyclosa turbinata* (Walckenaer)

*Eustala anastera* (Walckenaer) –

[humpbacked orbweaver]

*Eustala emertoni* (Banks)

*Eustala cepina* (Walckenaer)

*Gasteracantha cancriformis* (Linnaeus) – [spinybacked orbweaver]

\**Gea heptagon* (Hentz)

\**Hyposinga funebris* (Keyserling)

*Hyposinga pygmaea* (Sundevall)

*Hyposinga rubens* (Hentz) (Dondale *et al.* 2003)

*Kaira alba* (Hentz) (Levi 1993)

\**Kaira hiteae* Levi

*Larina directa* (Hentz)

\**Larinioides cornutus* (Clerck) – [furrow orbweaver]

*Mangora gibberosa* (Hentz) – [lined orbweaver]

*Mangora maculata* (Keyserling) – [greenlegged orbweaver]

- Mangora placida* (Hentz) – [tuftlegged orbweaver]  
 \**Mastophora bisaccata* (Emerton) – [bolas spiders]  
*Mecynogea lemniscata* (Walckenaer) – [basilica orbweaver]  
*Metazygia calix* (Walckenaer)  
*Metepeira labyrinthea* (Hentz) – [labyrinth orbweaver]  
 \**Micrathena gracilis* (Walckenaer) – [spined micrathena]  
*Micrathena mitrata* (Hentz) – [white micrathena]  
*Micrathena sagittata* (Walckenaer) – [arrowshaped micrathena]  
*Neoscona arabesca* (Walckenaer) – [arabesque orbweaver]  
 \**Neoscona crucifera* (Lucas)  
*Neoscona domiciliorum* (Hentz)  
*Neoscona pratensis* (Hentz)  
*Ocrepeira ectypa* (Walckenaer)  
*Trichonephila clavipes* (Linnaeus) Foliate spider  
*Singa keyserlingi* McCook – [striped orbweavers]  
 \**Verrucosa arenata* (Walckenaer)
- Cheiracanthiidae**  
*Cheiracanthium inclusum* (Hentz) – [agrarian sac spider]  
*Strotarchus piscatorius* (Hentz)
- Clubionidae** – [sac spiders]  
*Clubiona abboti* L. Koch  
*Clubiona catawba* Gertsch  
*Clubiona johnsoni* Gertsch  
*Clubiona moesta* Banks  
*Clubiona obesa* Hentz  
*Clubiona pygmaea* Banks  
*Clubiona riparia* L. Koch  
*Clubiona saltitans* Emerton  
 \**Elaver excepta* (C. L. Koch)
- Corinnidae** – [antmimic spiders]  
*Castianeira amoena* (C. L. Koch)  
*Castianeira cingulata* (C. L. Koch) – [twobanded antmimic]  
 \**Castianeira crocata* (Hentz)  
*Castianeira crucigera* (Hentz) (Reiskind 1969)  
 \**Castianeira descripta* (Hentz) – [redspotted antmimic]  
*Castianeira gertschi* Kaston – [Gertsch antmimic]  
*Castianeira longipalpa* (Hentz)  
*Castianeira trilineata* (Hentz)  
*Castianeira variata* Gertsch
- Ctenidae** – [wandering spiders]  
*Anahita punctulata* (Hentz) (Peck 1981)  
 \**Ctenus exlineae* Peck  
*Ctenus hibernalis* Hentz
- Cybaeidae**  
*Calymmaria persica* (Hentz)  
*Cryphoea montana* Emerton
- Dictynidae** – [meshweavers]  
*Dictyna bellans* Chamberlin (Chamberlin and Gertsch 1958)  
*Dictyna sylvania* Chamberlin and Ivie  
*Dictyna terrestris* Emerton (Chamberlin and Gertsch 1958)  
*Dictyna volucripes* Keyserling  
*Emblyna annulipes* (Blackwall)  
*Emblyna cruciata* (Emerton)  
*Emblyna hentzi* (Kaston)  
*Emblyna roscida* (Hentz)  
*Emblyna sublata* (Hentz)  
 \**Lathys immaculata* (Chamberlin and Ivie)  
*Lathys pallida* (Marx)  
*Phantyna bicornis* (Emerton)  
 \**Phantyna pixi* (Chamberlin and Gertsch)  
*Phantyna segregata* (Gertsch and Mulaik) – [apex mesh weaver]
- Dysderidae**  
*Dysdera crocata* C.L. Koch
- Filistatidae** – [crevice weavers]  
*Kukulcania hibernalis* (Hentz) – [southern house spider]
- Gnaphosidae** – [stealthy ground spiders]  
*Callilepis imbecilla* (Keyserling)  
*Callilepis pluto* Banks  
 \**Cesonia bilineata* (Hentz)  
*Drassodes auriculoides* Barrows  
*Drassodes gosiutus* Chamberlin  
*Drassodes neglectus* (Keyserling)  
*Drassyllus aprilinus* (Banks)  
 \**Drassyllus covensis* Exline  
*Drassyllus creolus* Chamberlin and Gertsch  
*Drassyllus depressus* (Emerton)  
*Drassyllus dixinus* Chamberlin  
*Drassyllus dromeus* Chamberlin  
*Drassyllus ellipes* Chamberlin and Gertsch  
*Drassyllus fallens* Chamberlin  
*Drassyllus frigidus* (Banks)  
*Drassyllus gynosaphes* Chamberlin  
*Drassyllus lepidus* (Banks)  
*Drassyllus niger* (Banks)  
*Drassyllus notonus* Chamberlin  
*Drassyllus novus* (Banks)  
*Drassyllus rufulus* (Banks)  
*Drassyllus socius* Chamberlin  
*Drassyllus texamans* (Chamberlin)  
 \**Gnaphosa fontinalis* Keyserling  
*Gnaphosa muscorum* (L. Koch)

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- Gnaphosa sericata* (L. Koch)  
*Haplodrassus bicornis* (Emerton)  
*Haplodrassus signifer* (C. L. Koch)  
 \**Herpyllus ecclesiasticus* Hentz – [parson spider]  
 \**Litopyllus temporarius* Chamberlin  
*Micaria elizabethae* Gertsch (Platnick and Shadab 1988)  
*Micaria laticeps* Emerton (Platnick and Shadab 1988)  
*Micaria longipes* Emerton  
*Micaria longispina* Emerton (Platnick and Shadab 1988)  
*Micaria punctata* Banks (Platnick and Shadab 1988)  
*Micaria seminola* Gertsch (Platnick and Shadab 1988)  
*Micaria vinnula* Gertsch and Davis  
*Nodocion floridanus* (Banks)  
*Sergiolus capulatus* (Walckenaer)  
*Sergiolus minutus* (Banks)  
*Sergiolus montanus* (Emerton)  
 \**Sergiolus ocellatus* (Walckenaer)  
*Sergiolus tennesseensis* Chamberlin  
*Sosticus insularis* (Banks)  
 \**Synaphosus paludis* (Chamberlin and Gertsch)  
 \**Talanites echinus* (Chamberlin)  
*Talanites exlineae* (Platnick and Shadab)  
*Trachyzelotes lyonneti* (Audouin)  
 \**Urozelotes rusticus* (L. Koch)  
 \**Zelotes aiken* Platnick and Shadab  
 \**Zelotes duplex* Chamberlin  
*Zelotes hentzi* Barrows  
 \**Zelotes laccus* (Barrows)  
*Zelotes pullus* (Bryant)
- Hahniidae**
- \**Cicurina arcuata* Chamberlin and Ivie  
*Cicurina arkansa* Gertsch  
*Cicurina brevis* (Emerton)  
*Cicurina bryantae* Exline  
*Cicurina davisii* Exline  
*Cicurina ludoviciana* Simon  
*Hahnia cinerea* Emerton  
*Neoantistea agilis* (Keyserling)  
*Neoantistea riparia* (Keyserling)
- Leptonetidae** – [cave spiders]
- \**Ozarkia arkansa* (Gertsch)
- Linyphiidae** – [sheetweb and dwarf weavers]
- Agyneta angulata* (Emerton) (Dupérré 2013)  
*Agyneta barrowsi* (Chamberlin and Ivie) (Dupérré 2013)  
*Agyneta fabra* (Keyserling)  
*Agyneta girardi* Dupérré
- Agyneta illanoensis* (Gertsch and Davis) (Dupérré 2013)  
*Agyneta micaria* (Emerton)  
*Agyneta parva* (Banks)  
*Agyneta semipallida* (Chamberlin and Ivie) (Dupérré 2013)  
*Agyneta serrata* (Emerton) (Dupérré 2013)  
*Bathypantes pallidus* (Banks)  
*Centromerus latidens* (Emerton)  
*Ceraticelus creolus* Chamberlin  
*Ceraticelus emertoni* (O. Pickard-Cambridge)  
*Ceraticelus similis* (Banks)  
*Eridantes erigonoides* (Emerton) (Prentice and Redak 2013)  
*Erigone autumnalis* Emerton  
*Erigone dentigera* O. Pickard-Cambridge  
*Erigone praecursora* Chamberlin and Ivie  
*Florinda coccinea* (Hentz)  
*Frontinella communis* (Hentz)  
*Frontinella pyramitela* (Walckenaer) – [bowl and doily weaver]  
*Gonatium rubens* (Blackwall)  
*Grammonota inornata* Emerton  
*Grammonota maculata* Banks  
*Grammonota ornata* (O. P. Cambridge)  
*Grammonota texana* (Banks)  
*Helophora insignis* (Blackwall)  
*Islandiana flaveola* (Banks)  
*Megalephyphantes nebulosus* (Sundevall)  
*Mermessus fradeorum* (Berland)  
*Mermessus maculatus* (Banks)  
*Mermessus tridentatus* (Emerton)  
*Mermessus trilobatus* (Emerton)  
*Microneta viaria* (Blackwall)  
*Neriene radiata* (Walckenaer) – [filmy dome spider]  
*Neriene variabilis* (Banks)  
*Pelecopsis moesta* (Banks)  
*Porrhomma cavernicola* (Keyserling)  
*Tennesseeillum formica* (Emerton)  
*Tenuiphantes sabulosus* (Keyserling)  
*Tenuiphantes zebra* (Emerton)  
*Walckenaeria communis* (Emerton) (Millidge 1983)  
*Walckenaeria spiralis* (Emerton)
- Liocranidae**
- Agroeca pratensis* Emerton
- Lycosidae** – [wolf spiders]
- \**Allocosa funerea* (Hentz)  
 \**Allocosa noctuabunda* (Montgomery)  
*Allocosa sublata* (Montgomery)  
*Alopecosa aculeata* (Clerck)

- Alopecosa kochi* (Keyserling)  
*Arctosa emertoni* Gertsch  
 \**Arctosa littoralis* (Hentz)  
*Arctosa rubicunda* (Keyserling)  
*Arctosa virgo* (Chamberlin)  
 \**Gladicosa gulosa* (Walckenaer)  
 \**Gladicosa pulchra* (Keyserling)  
 \**Hogna antelucana* (Montgomery)  
*Hogna baltimoriana* (Keyserling)  
 \**Hogna carolinensis* (Walckenaer)  
 \**Hogna frondicola* (Emerton)  
*Hogna lenta* (Hentz)  
*Pardosa atlantica* Emerton  
 \**Pardosa lapidicina* Emerton  
*Pardosa littoralis* Banks  
 \**Pardosa milvina* (Hentz)  
*Pardosa moesta* Banks  
 \**Pardosa pauxilla* Montgomery  
*Pardosa saxatilis* (Hentz)  
 \**Pardosa xerampelina* (Keyserling)  
*Pirata alachuus* Gertsch and Wallace  
 \**Pirata apalacheus* Gertsch  
*Pirata hiteorum* Wallace and Exline  
*Pirata montanus* (Emerton)  
*Pirata piraticus* (Clerck)  
*Pirata sedentarius* Montgomery  
*Pirata seminolus* Gertsch and Wallace  
*Pirata spiniger* (Simon) (Wallace and Exline 1978)  
*Pirata suwaneus* Gertsch  
*Pirata sylvanus* Chamberlin and Ivie  
*Piratula insularis* (Emerton)  
*Piratula minuta* (Emerton)  
 \**Rabidosa punctulata* (Hentz)  
 \**Rabidosa rabida* (Walckenaer)  
 \**Schizocosa avida* (Walckenaer)  
*Schizocosa bilineata* (Emerton)  
*Schizocosa crassipes* (Walckenaer)  
*Schizocosa duplex* Chamberlin (Dondale and Redner 1978a)  
*Schizocosa floridana* Bryant  
 \**Schizocosa mccooki* (Montgomery)  
 \**Schizocosa ocreata* (Hentz)  
*Schizocosa retrorsa* (Banks)  
*Schizocosa rovneri* Uetz and Dondale  
 \**Schizocosa saltatrix* (Hentz)  
 \**Schizocosa stridulans* Stratton  
*Sosippus mimus* Chamberlin  
*Tigrosa annexa* (Chamberlin and Ivie)  
*Tigrosa aspersa* (Hentz)  
 \**Tigrosa georgicola* (Walckenaer)  
*Tigrosa helluo* (Walckenaer)  
*Trabeops aurantiacus* (Emerton)
- Trebacosa marxi* (Stone) (Wallace and Exline 1978)  
*Trochosa pratensis* (Emerton)  
 \**Trochosa sepulchralis* (Montgomery)  
 \**Varacosa avara* (Keyserling)
- Mimetidae** – [pirate spiders]  
*Ero leonina* (Hentz)  
*Mimetus epeiroides* Emerton  
*Mimetus notius* Chamberlin  
*Mimetus puritanus* Chamberlin  
*Mimetus syllepsicus* Hentz
- Miturgidae** – [prowling spiders]  
*Zora pumila* (Hentz)
- Nesticidae** – [cave cobweb spiders]  
 \**Eidmannella pallida* (Emerton)
- Oecobiidae** – [flatmesh weavers]  
*Oecobius annulipes* Lucas  
*Oecobius cellariorum* (Dugès)
- Oxyopidae** – [lynx spiders]  
*Hamataliwa helia* (Chamberlin)  
*Oxyopes acleistus* Chamberlin  
 \**Oxyopes aglossus* Chamberlin  
 \**Oxyopes apollo* Brady  
 \**Oxyopes salticus* Hentz – [striped lynx spider]  
*Oxyopes scalaris* Hentz – [western lynx spider]  
*Peucetia viridans* (Hentz) – [green lynx spider]
- Philodromidae** – [running crab spiders]  
*Ebo latithorax* Keyserling  
*Ebo punctatus* Sauer and Platnick  
*Philodromus aureolus* (Clerck)  
*Philodromus cespitum* (Walckenaer)  
*Philodromus imbecillus* Keyserling  
*Philodromus infuscatus* Keyserling  
*Philodromus keyserlingi* Marx  
 \**Philodromus laticeps* Keyserling  
*Philodromus marxi* Keyserling  
 \**Philodromus mineri* Gertsch  
*Philodromus minutus* Banks  
*Philodromus placidus* Banks  
*Philodromus rufus* Walckenaer  
*Philodromus vulgaris* (Hentz)  
*Thanatus formicinus* (Clerck)  
 \**Thanatus rubicellus* Mello-Leitão  
*Thanatus vulgaris* Simon  
*Tibellus duttoni* (Hentz)  
*Tibellus oblongus* (Walckenaer) Long bodied crab spider
- Pholcidae** – [cellar or daddy longleg spiders]  
*Pholcus phalangioides* (Fuesslin) – [longbodied cellar spider]  
*Psilochorus pullulus* (Hentz) (Slowik 2009)  
*Spermophora senoculata* (Dugès) –

## Spiders of Arkansas

[shortbodied cellar spider]

**Phrurolithidae**

- \**Phrurotimpus alarius* (Hentz)
- \**Phrurotimpus annulatus* Chamberlin and Ivie
- \**Phrurotimpus borealis* (Emerton)
- Phrurotimpus certus* Gertsch
- Phrurotimpus illudens* (Gertsch)
- Phrurotimpus umbratilis* (Bishop and Crosby)
- Scotinella brittoni* (Gertsch)
- \**Scotinella fratrella* (Gertsch)
- Scotinella pallida* Banks
- \**Scotinella redempta* Gertsch

**Pisauridae**– [nursery web spiders]

- Dolomedes albineus* Hentz (Carico 1973)
- Dolomedes scriptus* Hentz
- \**Dolomedes tenebrosus* Hentz
- Dolomedes triton* (Walckenaer) – [sixspotted fishing spider]
- Dolomedes vittatus* Walckenaer
- Pisaurina brevipes* (Emerton) (Carico 1972)
- Pisaurina dubia* (Hentz) (Carico 1972)
- Pisaurina mira* (Walckenaer) – [nursery web spider]
- Pisaurina undulata* (Keyserling)
- Tinus peregrinus* (Bishop)

**Salticidae** – [jumping spiders]

- Anasaitis canosa* (Walckenaer)
- Attidops youngi* (Peckham and Peckham)
- Attinella concolor* (Banks)
- Attulus floricola* (C. L. Koch)
- Chinattus parvulus* (Banks)
- Colonus puerperus* (Hentz)
- Colonus sylvanus* (Hentz)
- \**Eris militaris* (Hentz) – [bronze jumper]
- Eris rufa* (C.L. Koch)
- Ghelna barrowsi* (Kaston) (Kaston 1973)
- Ghelna canadensis* (Banks)
- Ghelna sexmaculata* (Banks)
- Habronattus borealis* (Banks)
- Habronattus coecatus* (Hentz)
- Habronattus decorus* (Blackwall)
- Habronattus viridipes* (Hentz)
- Hentzia mitrata* (Hentz)
- Hentzia palmarum* (Hentz) (Richman 1989)
- Lyssomanes viridis* (Walckenaer) – [magnolia green jumper]
- \**Maevia inclemens* (Walckenaer) – [dimorphic jumper]
- \**Maevia intermedia* Barnes
- \**Marpissa formosa* (Banks)
- Marpissa lineata* (C. L. Koch)
- Marpissa pikei* (Peckham and Peckham) – [Pike

slender jumper]

- Menemerus bivittatus* (Dufour) – [gray wall jumper]
  - \**Metacyrba taeniola* (Hentz)
  - Naphrys pulex* (Hentz)
  - Neon nelli* Peckham and Peckham
  - Paraphidippus aurantius* (Lucas)
  - Peckhamia picata* (Hentz) – [antmimic jumper]
  - Pelegrina chaldeola* Maddison
  - Pelegrina exigua* (Banks)
  - Pelegrina galathea* (Walckenaer) – [peppered jumper]
  - Pelegrina peckhamorum* (Kaston)
  - Pelegrina proterva* (Walckenaer)
  - Phidippus apacheanus* Chamberlin and Gertsch
  - \**Phidippus audax* (Hentz) – [bold jumper]
  - Phidippus cardinalis* (Hentz) – [cardinal jumper]
  - Phidippus clarus* Keyserling
  - Phidippus insignarius* C. L. Koch
  - \**Phidippus mystaceus* (Hentz)
  - \**Phidippus otiosus* (Hentz)
  - Phidippus princeps* (Peckham and Peckham)
  - Phidippus purpuratus* Keyserling
  - \**Phidippus putmani* (Peckham and Peckham)
  - Phidippus texanus* Banks
  - Phidippus whitmani* Peckham and Peckham
  - Phlegra fasciata* (Hahn)
  - \**Phlegra hentzi* (Marx)
  - \**Platycryptus undatus* (De Geer)
  - Plexippus paykulli* (Audouin) – [pantropical jumper]
  - Salticus scenicus* (Clerck) – [zebra jumper]
  - Sarinda hentzi* (Banks)
  - Sassacus cyaneus* (Hentz)
  - \**Sassacus papenhoei* (Peckham and Peckham)
  - \**Sassacus vitis* (Cockerell)
  - Synemosyna formica* Hentz
  - Talavera minuta* (Banks)
  - Tutelina elegans* (Hentz)
  - Tutelina harti* (Emerton)
  - Tutelina similis* (Banks)
  - Zygoballus nervosus* (Peckham and Peckham)
  - Zygoballus rufipes* Peckham and Peckham – [hammerjawed jumper]
  - Zygoballus sexpunctatus* (Hentz)
- Scytodidae**– [spitting spiders]
- Scytodes thoracica* (Latreille)
- Segestriidae**– [tunnel spiders]
- \**Ariadna bicolor* (Hentz)
- Sicariidae** – [sixeyed sicariid spiders]
- \**Loxosceles reclusa* Gertsch and Mulaik – [brown recluse]

- Loxosceles rufescens* (DuFour) – [Mediterranean recluse]
- Tetragnathidae** – [longjawed orbweavers]
- \**Glenognatha foxi* (McCook)
- Leucage venusta* (Walckenaer) – [orchard orbweaver]
- Meta ovalis* (Gertsch)
- Pachygnatha autumnalis* Keyserling (Dondale *et al.* 2003)
- Pachygnatha tristriata* (C. L. Koch) – [thickjawed orbweavers]
- Tetragnatha caudata* Emerton (Dondale *et al.* 2003)
- \**Tetragnatha elongata* Walckenaer
- Tetragnatha guatemalensis* O. Pickard-Cambridge
- \**Tetragnatha laboriosa* Hentz – [silver longjawed orbweaver]
- Tetragnatha pallescens* F.O. Pickard-Cambridge
- Tetragnatha straminea* Emerton
- Tetragnatha versicolor* Walckenaer
- Tetragnatha viridis* (Walckenaer)
- Theridiidae** – [cobweb weavers]
- \**Anelosimus studiosus* (Hentz)
- Asagena fulva* (Keyserling)
- Cryptachaea porteri* (Banks)
- Cryptachaea rupicola* (Emerton)
- Dipoena nigra* (Emerton)
- Dipoena buccalis* Keyserling
- Enoplognatha marmorata* (Hentz) – [marbled cobweb spider]
- Euryopsis funebris* (Hentz)
- Faiditus cancellatus* (Hentz) (Exline and Levi 1962)
- Hentziectypus globosus* (Hentz)
- Latrodectus geometricus* (C. L. Koch) – [brown widow]
- Latrodectus hesperus* Chamberlin and Ivie – [western black widow]
- \**Latrodectus mactans* (Fabricius) – [southern black widow]
- Latrodectus variolus* (Walckenaer) – [northern black widow]
- Neospintharus trigonum* (Hentz)
- \**Parasteatoda tepidariorum* (C. L. Koch) – [house spider]
- Pholcomma hirsutum* (Emerton)
- Phoroncidia americana* (Emerton)
- Phylloneta pictipes* (Keyserling)
- Platnickina alabamensis* (Gertsch and Archer)
- Platnickina antoni* (Keyserling)
- Platnickina tinctoria* (Walckenaer)
- Rhomphaea fictilium* (Hentz)
- \**Robertus banksi* (Kaston)
- Robertus riparius* (Keyserling)
- Spintharus flavidus* Hentz
- \**Steatoda triangulosa* (Walckenaer)
- Theridion albidum* Banks
- \**Theridion australe* Banks
- Theridion differens* Emerton
- Theridion flavonotatum* Becker
- Theridion frondeum* Hentz
- Theridion murarium* Emerton
- Theridion neshamini* Levi
- Theridion punctosparsum* Emerton (Levi 1957)
- Theridion rabuni* Chamberlin and Ivie
- Theridula emertoni* Levi
- Theridula opulenta* (Walckenaer)
- Tidarren sisyphoides* (Walckenaer)
- Thymoites marxi* (Crosby) (Levi 1957)
- Wamba crispulus* (Simon)
- Yunohamella lyrica* (Walckenaer)
- Theridiosomatidae** – [ray orbweavers]
- \**Theridiosoma gemmosum* (L. Koch) – [ray spider]
- Thomisidae** – [crab spiders]
- Bassaniana floridana* (Banks) – [bark crab spiders]
- Bassaniana versicolor* (Keyserling)
- Mecaphesa asperata* (Hentz)
- Mecaphesa celer* (Hentz)
- Misumena vatia* (Clerck) – [goldenrod crab spider]
- Misumenoides formosipes* (Walckenaer) – [whitebanded crab spider]
- \**Misumessus oblongus* (Keyserling)
- \**Modysticus modestus* (Scheffer)
- Ozyptila monroensis* Keyserling – [leaf litter crab spiders]
- Ozyptila americana* Banks
- Ozyptila creola* Gertsch
- Ozyptila distans* Dondale and Redner
- Synema parvulum* (Hentz)
- Tmarus angulatus* (Walckenaer)
- Tmarus rubromaculatus* Keyserling
- \**Xysticus auctificus* Keyserling
- Xysticus banksi* Bryant
- Xysticus bicuspis* Keyserling
- Xysticus elegans* Keyserling – [elegant crab spider]
- Xysticus ferox* (Hentz)
- \**Xysticus fraternus* Banks
- \**Xysticus funestus* Keyserling
- Xysticus gulosus* Keyserling
- Xysticus luctans* (C.L. Koch)

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**Spiders of Arkansas**

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*Xysticus punctatus* Keyserling

\**Xysticus texanus* Banks

*Xysticus triguttatus* Keyserling – [threebanded  
crab spider]

**Titanoecidae**

*Titanoeca americana* Emerton

*Titanoeca brunnea* Emerton (Leech 1972)

**Trachelidae**

\**Meriola decepta* Banks

*Trachelas similis* F.O. Pickard-Cambridge

*Trachelas tranquillus* (Hentz)

**Uloboridae** – [hackled orbweavers]

*Hyptiotes cavatus* (Hentz) – [triangle weaver]

*Uloborus glomosus* (Walckenaer) –  
[featherlegged orbweaver]

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