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Checklist of Spiders Collected in Mississippi Compared With Preliminary Study of Arkansas Spiders

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ABSTRACT

This paper presents a comparative list of spiders collected in the 82 counties of Mississippi and in a random sampling of the spiders of Arkansas. The Mississippi list includes 26 families with 263 species, whereas the Arkansas collection includes 24 families with 206 species. Various methods of collecting were used in an effort to sample all populations and to contribute to knowledge of the taxonomy, ecology, and distribution of the spiders found in both Mississippi and Arkansas.

This paper presents a list of spiders collected in the 82 counties of Mississippi and in a random sampling of Arkansas counties. The Mississippi collection, housed at the University of Mississippi, includes 26 families and 263 species; the Arkansas collection includes 24 families and 206 species.

Collections were made at various times of day and in every month of the year. Every county of Mississippi was covered between summer 1960 and spring 1966. In Arkansas the collection was less concentrated, extending only from 1966 through 1970. The writer believes the Arkansas species will far outnumber the Mississippi species once extensive collections have been made throughout the state. The variety of habitats offered by Arkansas should yield a rich spider fauna.

The Mississippi checklist includes 263 species based on a total collection of approximately 20,000 specimens; the Arkansas list includes 206 species based on collections of nearly 10,000 specimens.

The names used are those employed by Comstock (1948), Kaston and Kaston (1953), and Gertsch (1949). The arrangement followed is that of Kaston and Kaston (1953). One asterisk indicates that individuals of the species also have been collected in Arkansas. Two asterisks indicate that the species have been collected in Arkansas but not in Mississippi.

Theraphosidae

- * * *Dugesella hentzi* Walckenaer

Oecobiidae

- * * *Oecobius cellariorum* Duges

Filistatidae

- * *Filistata hibernalis* (Hentz)

Scytodidae

- * *Scytodes thoracica* (Latreille)
- * *Loxosceles reclusa* Gertsch & Mulaik

Dysderidae

- Dysdera crocata* Koch
- Ariadna bicolor* (Hentz)

Lyssomanidae

- * *Lyssomanes viridis* Hentz

Ctenizidae

- * *Ummidia audouini* (Lucas)

Amaurobiidae

- Amaurobius bennetti* (Blackwall)
- Titanoeca americana* Emerton
- Callioplus tibialis* (Emerton)

Uloboridae

- * *Uloborus americanus* Walckenaer
- * *Hyptiotes cavatus* (Hentz)

Dictynidae

- * *Dictyna sublata* (Hentz)
- * *Dictyna volucris* Keyserling
- Dictyna cruciata* Emerton
- * *Dictyna annulipes* (Blackwall)
- Dictyna foliacea* (Hentz)
- Dictyna florens* Ivie & Barrows
- Dictyna orbiculata* Jones
- Dictyna zaba* Ivie & Barrows
- Dictyna angulata* Emerton
- * *Dictyna segregata* Gertsch & Mulaik

Pholcidae

- * *Pholcus phalangioides* (Fuesslin)
- Spermophora meridionalis* Hentz

Gnaphosidae

- Gnaphosa sericata* (Koch)
- Gnaphosa muscorum* (Koch)
- Haplodrassus signifer* (Koch)
- * *Zelotes hentzi* Barrows
- * *Callilepis imbecilla* (Keyserling)
- Callilepis femoralis* Banks
- * *Cesonia bilineata* (Hentz)
- * *Herpyllus vasifer* (Walckenaer)
- * *Drassodes neglectus* (Keyserling)
- * *Rachodrassus echinus* Chamberlin
- * *Drassylus depressus* (Emerton)
- * *Drassylus covensis* Exline
- * *Drassylus mephisto* Chambers
- * *Drassylus fallens* Chambers

- * * *Drassylus creolus* Chambers & Gertsch
- * * *Sergiolus capulatus* (Walckenaer)
- * * *Cyphosa sericata* (L. Koch)
- * * *Zelotes laccus* (Barrows)

Clublonidae

- * *Clubiona excepta* Koch
- * *Clubiona abbotii* Koch
- Clubiona riparia* Koch
- * * *Clubiona moesta* Banks
- Castianeira gertschi* Kaston
- Castianeira cingulata* Koch
- * *Castianeira descripta* (Hentz)
- * *Castianeira longipalpus* (Hentz)
- Castianeira amoena* (Koch)
- * * *Castianeira vulnerea* Gertsch
- * *Agroeca pratensis* (Emerton)
- * *Chiracanthium inclusum* (Hentz)
- * *Marcellina piscatoria* (Hentz)
- * *Trachelas tranquillus* (Hentz)
- * * *Trachelas laticeps* Bryant
- * *Clubiona obesa* Hentz
- * *Micaria aurata* (Hentz)
- * * *Meriola decepta* Banks
- * * *Scotinella formica* (Banks)

Anyphaenidae

- * *Anyphaenella saltabunda* (Hentz)
- * * *Anyphaena maculata* Banks
- * *Anyphaena celer* (Hentz)
- * * *Anyphaena fragilis* Banks
- * *Aysha gracilis* (Hentz)

Ctenidae

- Anahita animosa* (Walckenaer)
- Zora pumila* (Hentz)

Thomisidae

- * *Misumena vatia* (Clerck)
- * *Misumenoides formosipes* (Walckenaer)
- * *Misumenops asperatus* (Hentz)
- * *Misumenops celer* (Hentz)
- * * *Misumenops oblongus* Keyserling
- Coriarachne lenta* (Walckenaer)
- Coriarachne versicolor* Keyserling
- * *Xysticus ferox* (Hentz)
- * *Xysticus tumefactus* (Walckenaer)
- * *Xysticus texanus* (Banks)
- * *Xysticus elegans* (Keyserling)
- * *Xysticus triguttatus* Keyserling
- Xysticus gulosus* Keyserling
- * * *Xysticus auctificus* Keyserling
- Xysticus nervosus* (Emerton)
- * * *Xysticus funestus* Keyserling
- * *Xysticus transversatus* (Walckenaer)
- * *Synema parvula* (Hentz)
- * *Philodromus pernix* Blackwall
- * *Philodromus abbotii* Walckenaer
- * *Philodromus rufus* Walckenaer
- * *Philodromus imbecillus* Keyserling
- * * *Philodromus keyserlingi* Marx
- * * *Philodromus marxii* Keyserling
- * * *Philodromus vulgaris* Keyserling

- * * *Oxyptila conspurcata* Thorell
- * *Thanatus formicinus* (Clerck)
- * *Tibellus oblongus* (Walckenaer)
- * *Tmarus angulatus* (Walckenaer)
- * *Ebo latithorax* Keyserling

Salticidae

- * *Phidippus audax* (Hentz)
- * *Phidippus whitmanii* Peckham
- * * *Phidippus insolens* Peckham
- * *Phidippus purpuratus* Keyserling
- * *Phidippus mystaceus* Emerton
- * *Phidippus princeps* Peckham
- * * *Phidippus incertus* Peckham
- * *Phidippus putnamii* Peckham
- * * *Phidippus insignarius* (C.L. Koch)
- Phidippus otiosus* Peckham
- * *Phidippus clarus* Keyserling
- * * *Phidippus carolinensis* Peckham & Peckham
- * *Paraphidippus aurantius* (Kaston)
- * *Paraphidippus marginatus* (Walckenaer)
- * *Metaphidippus galathea* (Walckenaer)
- * *Metaphidippus flavipedes* (Peckham)
- * *Metaphidippus protervus* (Walckenaer)
- * *Metaphidippus insignis* (Banks)
- Metaphidippus canadensis* (Banks)
- Habrocestum pulex* (Hentz)
- * *Thiodina sylvana* (Hentz)
- * *Zygoballis bettini* Peckham
- * *Zygoballis sexpunctatus* (Hentz)
- Zygoballis nervosus* (Peckham)
- * * *Eris pineus* (Kaston)
- * *Agassa cyanea* Hentz
- Sassacus papenhoei* Peckham
- Marpissa lineata* (Koch)
- Marpissa pikei* Peckham
- Marpissa bina* (Hentz)
- * *Marpissa undata* (DeGeer)
- * *Metacyrba taeniola* (Hentz)
- * *Myrmarachne hentzi* Banks
- Phlegra fasciata* (Hahn)
- * *Ballus youngii* Peckham
- * *Habronattus coronatus* (Hentz)
- Habronattus viridipes* (Hentz)
- Habronattus agilis* (Banks)
- Habronattus borealis* (Banks)
- * *Habronattus decorus* (Blackwall)
- * *Plexippus puerperus* Emerton
- Icius hartii* Emerton
- * *Icius elegans* (Hentz)
- * *Peckhamia picata* (Hentz)
- * *Neon nellii* Peckham
- * *Salticus scenicus* (Linnaeus)
- * *Sitticus palustris* (Peckham)
- * * *Sitticus floridanus* Gertsch & Mulaik
- * *Maevia vittata* (Hentz)
- Gertschia noxiosa* (Hentz)
- Evarcha hoyi* (Peckham)
- * *Hentzia mitrata* (Hentz)
- * *Hentzia palmarum* (Hentz)

Agelenidae

- * *Agelenopsis naevia* (Walckenaer)
- * *Agelenopsis pennsylvanica* (Koch)

Agelenopsis texana (Gertsch)
Coras lamellosus Keyserling
 * *Coras medicinalis* (Hentz)
Tegenaria domestica (Clerck)

Hahnliidae

Hahnia cinerea Emerton

Pisauridae

Pelopatis undulata (Keyserling)
 * *Dolomedes tenebrosus* Hentz
 * *Dolomedes sexpunctatus* Hentz
Dolomedes scriptus Hentz
 * *Pisaurina mira* (Walckenaer)
 * *Tinus peregrinus* (Bishop)

Lycosidae

* *Lycosa helluo* Walckenaer
 * * *Lycosa helluo annexa* Chambers & Ivie
 * *Lycosa avida* Walckenaer
 * *Lycosa rubida* Walckenaer
 * *Lycosa aspersa* Hentz
 * *Lycosa punctulata* Hentz
 * *Lycosa baltimoriana* (Keyserling)
Lycosa riparia (Hentz)
 * *Lycosa frondicola* Emerton
 * *Lycosa gulosa* Walckenaer
Lycosa lenta Comstock
 * * *Lycosa antelucana* Montgomery
 * * *Lycosa carolinensis* Walckenaer
Lycosa avara (Keyserling)
Lycosa pratensis (Emerton)
 * *Pardosa distincta* (Blackwall)
 * *Pardosa milvina* (Hentz)
 * *Pardosa saxatilis* (Hentz)
 * * *Pardosa pauxilla* Montgomery
Pardosa lapidicina Emerton
 * *Trochosa pratensis* (Emerton)
Trochosa acompa Chamberlin
 * *Schizocosa bilineata* (Emerton)
Schizocosa saltatrix (Hentz)
Schizocosa crassipes (Walckenaer)
 * * *Pirata sedentarius* Montgomery
 * *Pirata insularis* Emerton
 * * *Pirata minutus* Emerton
 * * *Pirata sylvanus* Chambers & Ivie
Pirata montanus Emerton
 * *Arctosa littoralis* (Hentz)
Arctosa floridana Banks
Arctosa rubicunda (Keyserling)
 * *Arctosa funerea* (Hentz)
Tarentula aculeata (Clerck)
Sosippus floridanus Simon

Oxyopidae

* *Peucetia viridans* (Walckenaer)
Oxyopes aglossus Brady
 * *Oxyopes salticus* Hentz
Oxyopes scalaris Hentz
 * *Hamataliwa helia* Brady
Hamataliwa grisea Brady

Theridiidae

* *Theridion tepidariorum* (Koch)
Theridion rupicola Emerton
 * *Theridion frondeum* Hentz
Theridion australe Banks
 * *Theridion differens* Emerton
Theridion glauceseens Becker
 * *Theridion flavonotatum* Keyserling
Theridion murarium Emerton
Spintharus flavidus Hentz
 * *Teutana triangulosa* (Walckenaer)
Ctenium riparius (Keyserling)
Ulesanis americana Emerton
Crustulina altera Gertsch & Archer
Asagena americana Emerton
Henziectypus globosus (Hentz)
 * *Euryopsis limbata* (Walckenaer)
Conopistha rufa (Walckenaer)
 * * *Conopistha trigona* (Hentz)
Dipoena nigra (Emerton)
 * *Theridula emertoni* (Walckenaer)
Theridula quadripunctatus Keyserling
Anelosimus studiosus (Hentz)
 * *Argyrodes nephilae* Taczanowski
Lithyphantes fulvus Keyserling
Enoplognatha marmorata (Hentz)
 * *Latrodectus mactans* (Fabricius)
Episinus amoenus Banks

Mimetidae

* * *Mimetus intersector* Hentz
 * *Mimetus puritanus* Chamberlin
 * * *Ero furcata* (Villers)

Araneidae

* *Argiope aurantia* Lucas
Micrathena sagittata (Walckenaer)
 * *Argiope trifasciata* (Forsk.)
 * *Micrathena gracilis* (Walckenaer)
 * *Micrathena mitrata* (Walckenaer)
Theridiosoma gemmosa (Koch)
 * *Verrucosa arenata* (Walckenaer)
 * *Araneus cavatica* (Linnaeus)
Araneus miniatus (Walckenaer)
Araneus frondosa (Linnaeus)
 * *Araneus thaddeus* (Linnaeus)
Araneus gemmoides (Linnaeus)
 * *Araneus nordmanni* (Thorell)
Araneus corticaria (Emerton)
Araneus solitarius (Emerton)
 * *Araneus marmoratus* (Clerck)
 * *Neoscona domiciliorum* (Hentz)
 * * *Neoscona sacra* (Walckenaer)
 * *Neoscona arabesca* (Walckenaer)
 * * *Neoscona pratensis* (Hentz)
 * * *Mastophora bisaccatum* (Emerton)
 * * *Conopeira ozarkensis* Archer
 * * *Epeira cornuta* (Clerck)
 * *Mangora gibberosa* (Hentz)
 * *Mangora placida* (Hentz)
 * *Mangora ornata* (Walckenaer)
Drexilia directa (Hentz)
 * *Eustala anastera* (Walckenaer)

- * *Gasteracantha elipsoides* (Walckenaer)
- * *Nephila clavipes* (Linnaeus)
- Scoloderus tuberculiferus* (Cambridge)
- * *Acanthepeira stellata* (Walckenaer)
- * * *Acanthepeira moesta* Comstock
- * *Acacesia hamata* (Hentz)
- * *Araniella displicata* Chamberlin & Ivie
- Cyclosa bifurca* (Hentz)
- * *Cyclosa conica* (Pallas)
- Cyclosa turbinata* (Walckenaer)
- Metepeira labyrinthea* (Hentz)
- Allepeira lemniscata* (Walckenaer)
- * *Nzosconella pegnia* (Walckenaer)
- Kaira alba* (Hentz)
- Metazygia wittfeldae* (McCook)
- * *Singa pratensis* Emerton
- Singa calix* (Walckenaer)
- Gea ergaster* (Walckenaer)
- * *Wixia ectypa* (Walckenaer)

Nesticidae

Nesticus pallidus Emerton

Tetragnathidae

- * *Tetragnatha elongata* Walckenaer
- Tetragnatha versicolor* Walckenaer
- * *Tetragnatha straminea* Emerton
- * *Tetragnatha laboriosa* Hentz
- * *Leucauge venusta* (Walckenaer)
- * *Pachygnatha tristriata* C.L. Koch
- * *Mimognatha foxi* (McCook)

Linyphiidae

- Pityohyphantes costatus* (Koch)
- * *Linyphia marginata* (Koch)
- * *Linyphia coccinea* (Hentz)
- Linyphia pusilla* Sundevall
- Linyphia clathrata* Sundevall
- * *Frontinella pyramitela* (Walckenaer)

- * *Meioneta micaria* (Emerton)
- * *Meioneta fabra* (Keyserling)
- Microneta viaria* (Blackwall)
- Estrandia nearctica* (Banks)
- Tapinopa bilineata* Banks
- Drapetisca alteranda* Chamberlin
- Tennesseellum formicum* (Emerton)
- Ceratinopsis interpres* (Cambridge)
- Ceratinopsis laticeps* Emerton
- Ceratinopsis anglicana* (Hentz)

Micryphantidae

- * * *Eperigone maculata* (Banks)
- * * *Eperigone autumnalis* Emerton
- * * *Erigone tridentata* (Emerton)
- * * *Grammonata inornata* Emerton
- * * *Grammonata maculata* Banks
- * * *Walckenaera vigilax* (Blackwall)

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