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Continuation of Spider Research in Arkansas: Gulf Coastal Plains

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Arkansas Academy of Science

LIST OF SPECIES COLLECTED (Nomenclature is largely in accordance with Smith, An Atlas and Annotated List of Vascular Plants of Arkansas, University of Arkansas at Fayetteville, 592 pp., 1978.)

- Apiaceae**
Eryngium yuccifolium Michx. Rattlesnake Master
- Asclepiadaceae**
Asclepias hirtella (Pennell) Woodson Milkweed
- Asteraceae**
Aster pilosus Willd. White Heath Aster
Boltonia diffusa Ell.
Coreopsis tinctoria Nutt. Tickseed
Eupatorium rotundifolium L.
Helianthus angustifolius L. Sunflower
Heterotheca graminifolia (Michx.) Shinnery Grass-leaved Golden Aster
Hieracium longipilum Torr.
Lactuca canadensis L. Wild Lettuce
Liatris pycnostachya Michx. Blazing Star
Pyrrhopappus carolinianus (Walt.) D. C. False Dandelion
Rudbeckia hirta L. Black-eyed Susan
Senecio tomentosus Michx.
Solidago canadensis L. Goldenrod
Solidago leptoccephala T. & G. Goldenrod
Solidago nemoralis Ait. Old Field Goldenrod
Solidago rugosa Ait. Rough-leaved Goldenrod
Vernonia missurica Raf. Ironweed
- Campanulaceae**
Lobelia puberula Michx. var. *mineolana* E. Wimm. Big Blue Lobelia
- Convolvulaceae**
Cuscuta cuspidata Engelm. Dodder
- Cyperaceae**
Cyperus ovularis (Michx.) Torr. Hedgehog Club Rush
Cyperus strigosus L.
Eleocharis tenuis (Willd.) Schultes var. *verrucosa* Svenson
Rhynchospora globularis (Chapm.) Small
- Euphorbiaceae**
Crotonopsis elliptica Willd.
Euphorbia corollata L. Flowering Spurge
- Fabaceae**
Cassia fasciculata Michx. Partridge Pea
Desmodium ciliare (Muhl.) D. C. Begger's Lice
Lespedeza cuneata (Dumont) G. Don Sericea Lespedeza
Lespedeza repens (L.) Bart. Creeping Bush Clover
Lespedeza striata (Thunb.) H. & A. Japanese Lespedeza
Strophostyles umbellata (Willd.) Britt.
Stylosanthes biflora (L.) B.S.P. Pencil Flower
Tephrosia virginiana (L.) Pers. Goat's Rue
- Hypericaceae**
Hypericum drummondii (Grev. & Hook.) T. & G. Nits-and-lice
- Juncaceae**
Juncus marginatus Rostk.
- Lamiaceae**
Prunella vulgaris L. Self-heal
Pycnanthemum muticum (Michx.) Pers. Mountain Mint
Pycnanthemum tenuifolium Schrad. Slender Mountain Mint
- Melastomataceae**
Rhexia mariana L. Meadow Beauty
- Orchidaceae**
Spiranthes cernua (L.) Richard Common Ladies' Tresses
- Plantaginaceae**
Plantago virginica L. Hoary Plantain
- Poaceae**
Andropogon gerardi Vitman Big Bluestem
Andropogon ternarius Michx. Split-beard Bluestem
Andropogon virginicus L. Broomsedge
Panicum anceps Michx. Beaked Panicum
Panicum scoparium Lam. Velvet Panic
Paspalum floridanum Michx. Florida Paspalum
Paspalum laeve Michx. Field Paspalum
Setaria geniculata (Lam.) Beauv. Knotroot Bristlegrass
Sorghastrum avenaceum (Michx.) Nash Indian Grass
Tridens flavus (L.) Hitchc. Purpletop
Tridens strictus (Nutt.) Nash Longspike Tridens
- Polygalaceae**
Polygala sanguinea L. Milkwort
- Polygonaceae**
Rumex acetosella L. Sheep Sorrel
- Rubiaceae**
Diodia teres Walt. Rough Buttonweed
Hedyotis caerulea (L.) Hook Bluets
- Scrophulariaceae**
Bacopa acuminata (Walt.) Robins. Water Hyssop
Buchnera americana L. Blue Hearts
Castilleja coccinea (L.) Spreng. Indian Paintbrush
Gerardia fasciculata Ell. Gerardia
Gerardia viridis Small
- Valerianaceae**
Valerianaella radiata (L.) Dufur. Corn Salad
- Violaceae**
Viola sagittata Ait. Arrow-leaved Violet

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A CONTINUATION OF SPIDER RESEARCH IN ARKANSAS: GULF COASTAL PLAINS

For the past 13 years, research has been pursued concerning the spider fauna of Arkansas. At the present time, 233 species of spiders have been reported for Arkansas by Dorris (1972, 1977). This study revealed 235 species, 14 of which were new for the state. This is the second of a series of studies which will include a total of six areas: Ozark Mountains, Arkansas River Valley, Ouachita Mountains, Gulf Coastal Plain, Delta, and Crowley's Ridge. The first, included the Ouachita Mountain Area (Dorris, 1977), and this paper presents the spider fauna of the Gulf Coastal Plains Area of Arkansas (Fig. 1). Eventually, when all areas are covered, the spider fauna of the entire state of Arkansas can be ascertained with relation to distribution.

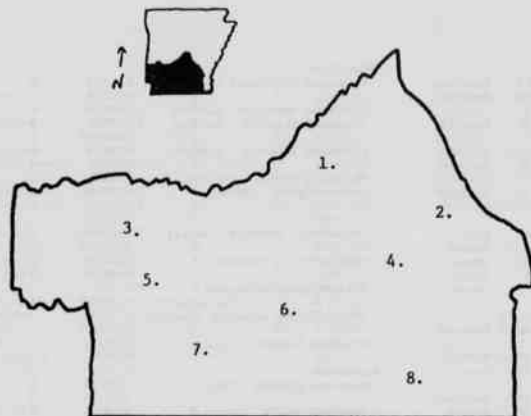
Methods of collecting used in the Gulf Coastal Plains Area were the same as those used in the Ouachita Mountain Area (Dorris, 1977): (a) heavy duty sweep net to sweep grasses and heavy brush; (b) sieve to sift leaf litter; (c) hatchet for chopping bark off trees; (d) hand picking from bushes, ground and old dwellings or other places; (3) mud-dauber nest collections to reveal paralyzed spiders captured by mud-daubers; and (f) night spot-lighting.

The spiders collected were placed in screw cap bottles with 70% ethyl alcohol. A field book was kept to identify bottle numbers and check stations and to record other pertinent data.

For complete coverage of the Gulf Coastal Plains, check stations were established in the eastern, central, and western sections of the area (Fig. 1). These check stations were covered from July, 1978 through December, 1979 using all collecting methods. Each station was checked three or more times to insure complete coverage.

Names used are those employed by Comstock (1948), Kaston and Kaston (1953), and Gertsch (1949). The arrangement of specimens examined is that of Kaston and Kaston (1953).

General Notes



1. Donaldson, Hot Spring County
2. Randall, Cleveland County
3. Columbus, Hempstead County
4. Fordyce, Dallas County
5. Fulton, Hempstead County
6. White Oak Lake, Ouachita County
7. Garland City, Miller County
8. El Dorado, Union County

Figure 1. Map of West Gulf Coastal Plains Showing Check Stations

Specimens Examined				
Taxon	Date Collected	Station Code**	Collecting Code***	Habitat
Theraphosidae				
<i>Dugesella hantzhi</i> Walckenaer	10/12/78	1	F	Roadside
	10/25/79	7	F	Roadside
	11/18/79	5	F	Roadside
Oecobiidae				
<i>Oecobius cellariorum</i> Duges	11/7/79	2	S	Forest
	12/10/79	8	SN	Forest
Scytodidae				
<i>Scytodes thomasi</i> (Latrielle)	7/14/78	1	F	Building
	10/12/78	2	F	Building
	12/4/78	3	F	Building
	4/11/79	4	F	Building
	6/38/79	7	F	Building
<i>Loxosceles arctus</i> Gertsch & Mulaik	8/10/78	1	F	Building
	9/16/78	4	F	Building
	10/12/79	6	F	Building
	12/3/79	8	F	Building
Pilistatidae				
<i>Pilistata hibernata</i> (Hentz)	5/7/78	1	F	Building
	7/15/78	3	F	Building
	9/11/78	5	F	Building
	6/12/79	6	F	Building
	7/15/79	7	F	Building
	8/24/79	8	F	Building
Amaurobiidae				
<i>Amaurobius bennetti</i> (Blackwall)	5/7/78	1	SN	Roadside
<i>Calliopsis tibialis</i> (Emerton)	11/18/79	7	SN	Roadside
<i>Titanocet americana</i> Emerton	8/28/79	1	S	Forest
	11/7/79	8	S	Forest
Dysderidae				
<i>Ariadna bicolor</i> (Hentz)	11/18/79	7	SN	Roadside
Lysanellidae				
<i>Lysanella viridis</i> Hentz	10/25/79	7	SN	Roadside
Creniidae				
<i>Umidia audouini</i> (Lucas)	10/12/78	1	SN	Roadside
	12/10/78	2	SN	Roadside
	7/15/78	3	SN	Roadside
	9/16/78	4	SN	Roadside
	8/24/79	8	SN	Roadside
Pholcidae				
<i>Pholcus phalangoides</i> (Fuesslin)	6/10/78	4	F	Building
	7/15/79	7	F	Building
	9/24/79	8	F	Building
Uloboridae				
<i>Uloborus cavatus</i> (Hentz)	10/25/79	5	F	Building
	11/16/79	7	F	Building
<i>Uloborus americanus</i> Walckenaer	10/25/79	5	F	Building
	11/16/79	7	F	Building
	6/10/78	4	F	Building
Dictynidae				
<i>Dictyna subfata</i> (Hentz)	11/18/79	7	S	Forest
<i>Dictyna volucris</i> Keyserling	10/25/79	5	S	Forest
<i>Dictyna annulipes</i> (Blackwall)	10/12/78	1	S	Forest
<i>Dictyna septentrionalis</i> Gertsch & Mulaik	11/18/79	7	S	Forest
	11/7/79	8	S	Forest
Gnaphosidae				
<i>Cesonia bilineata</i> (Hentz)	12/10/78	2	SN	Roadside
<i>Hexypilus vassifer</i> (Walckenaer)	7/15/78	3	SN	Forest
	6/12/79	6	SN	Roadside
<i>Dassodes neglectus</i> (Keyserling)	8/18/78	3	SN	Roadside
<i>Rachodanassus echinus</i> Chamberlin	6/10/78	4	SN	Forest
<i>Dassaylus covensis</i> Emlin	8/24/79	8	SN	Roadside
<i>Dassaylus nephista</i> Chambers	11/18/79	7	SN	Roadside
<i>Dassaylus fallens</i> Chambers	12/10/78	2	SN	Roadside
<i>Sengiolus capulatus</i> (Walckenaer)	5/7/78	1	SN	Roadside
	6/25/78	3	SN	Roadside
	7/10/79	7	SN	Roadside
<i>Gnaphosa sexicata</i> (L. Koch)	5/27/78	2	SN	Roadside
	5/30/79	6	SN	Roadside
<i>Izelotes hentzi</i> Barrows	5/27/78	2	SN	Roadside
<i>Callitepis imbecilla</i> (Keyserling)	6/30/79	8	SN	Roadside
Clubionidae				
<i>Chianacanthium inclusum</i> (Hentz)	4/11/78	4	SN	Roadside
	6/15/79	7	SN	Roadside
	11/24/79	8	SN	Roadside
<i>Castianeira descripta</i> (Hentz)	11/24/79	8	SN	Forest
<i>Castianeira gertschi</i> Kaston	6/15/79	7	SN	Roadside
Clubionidae				
<i>Castianeira cingulata</i> Koch	7/15/78	3	SN	Roadside
<i>Castianeira vulnerea</i> Gertsch	4/11/78	4	SN	Roadside
<i>Castianeira amoena</i> (Koch)	7/15/78	3	SN	Roadside
<i>Castianeira longipalpus</i> (Hentz)	11/18/79	7	SN	Roadside
<i>Clubiona oboea</i> Hentz	8/10/78	1	SN	Roadside
	9/16/78	4	SN	Roadside
	10/11/79	6	SN	Roadside
<i>Clubiona abbotii</i> Koch	6/25/78	3	SN	Roadside
	7/10/79	7	SN	Roadside
	5/30/79	6	SN	Roadside
<i>Clubiona riparia</i> Koch	6/15/79	7	SN	Roadside
<i>Clubiona excepta</i> Koch	10/15/78	7	SN	Roadside
<i>Clubiona moesta</i> Banks	10/15/78	7	SN	Roadside
<i>Agroeca pratensis</i> (Emerton)	7/15/78	3	SN	Roadside
	9/11/78	5	SN	Roadside
<i>Marecellina piscatoria</i> (Hentz)	12/10/78	2	SN	Roadside
<i>Trachelus tranquillus</i> (Hentz)	9/16/78	4	SN	Roadside
	8/24/79	8	SN	Forest
<i>Trachelus laticeps</i> Bryant	5/30/79	6	SN	Roadside
<i>Nicaria aurata</i> (Hentz)	7/15/78	3	SN	Roadside
<i>Meriola decepta</i> Banks	8/10/78	1	SN	Roadside
<i>Scotinella formica</i> (Banks)	6/18/79	7	SN	Forest

Anaphanidae				Thomisidae					
<i>Anaphanella saltibunda</i> (Hentz)	6/15/79	7	SN	Roadside	<i>Phidippus putnami</i> Keyserling	6/30/78	6	SN	Roadside
<i>Phurcotopus borealis</i> (Emerton)	8/24/79	7	SN	Roadside		4/13/78	3	F	Forest
<i>Aysia gracilis</i> (Hentz)	12/10/78	2	S	Forest	<i>Phidippus mystacicus</i> Emerton	7/25/79	4	F	Forest
	10/11/79	6	SN	Roadside	<i>Phidippus princeps</i> Peckham	5/27/78	8	F	Building
<i>Anaphana maculata</i> Banks	12/10/78	2	F	Building		10/18/79	5	F	Forest
<i>Anaphana celea</i> (Hentz)	3/15/78	3	SN	Roadside	<i>Phidippus putnami</i> Peckham	6/30/78	6	SN	Roadside
<i>Anaphana celea</i> (Hentz)	5/18/79	4	SN	Roadside		7/25/79	4	SN	Roadside
<i>Anaphana fragilis</i> Banks	5/18/79	4	SN	Roadside	<i>Phidippus clarus</i> Keyserling	4/13/78	3	F	Forest
					<i>Icius elegans</i> (Hentz)	5/27/78	8	F	Building
						7/25/79	7	F	Forest
						7/15/79	4	SN	Roadside
					<i>Habronattus borealis</i> (Banks)	10/15/78	1	SN	Roadside
						10/18/79	1	SN	Roadside
					<i>Neon nelli</i> Peckham	5/27/78	8	SN	Roadside
						4/13/78	3	F	Forest
					<i>Paraphidippus marginatus</i> (Walckenaer)	10/15/78	1	SN	Forest
					<i>Paraphidippus autantius</i> (Kaston)	7/25/79	7	F	Roadside
					<i>Maipissa lineata</i> (Koch)	10/18/79	5	F	Forest
						6/30/78	6	SN	Roadside
					Salticidae				
					<i>Maipissa lineata</i> (Koch)	7/25/79	4	SN	Forest
						7/15/79	2	MD	Building
					<i>Maipissa undata</i> (DoGreen)	4/13/78	3	SN	Roadside
					<i>Saasacus pappehoi</i> Peckham	7/15/79	2	SN	Roadside
						10/18/79	5	SN	Roadside
					<i>Metaphidippus galathea</i> (Walckenaer)	10/18/79	5	SN	Roadside
						10/15/78	1	SN	Forest
					<i>Metaphidippus flavipes</i> (Peckham)	10/12/78	1	JN	Roadside
					<i>Metaphidippus proteivus</i> (Walckenaer)	11/18/79	7	SN	Roadside
					<i>Metaphidippus insignis</i> (Banks)	11/7/79	8	SN	Forest
					<i>Metaphidippus canadensis</i> (Banks)	10/12/78	2	SN	Roadside
					<i>Thalidina sylvana</i> (Hentz)	4/11/79	4	SN	Roadside
						6/18/79	7	F	Building
					<i>Zygoballus beilini</i> Peckham	10/12/78	2	SN	Roadside
						11/7/79	8	F	Roadside
						6/18/79	7	SN	Roadside
					<i>Zygoballus sexpunctatus</i> (Hentz)	6/30/78	6	SN	Forest
					<i>Eris pinesu</i> (Kaston)	7/25/79	4	F	Forest
					<i>Agassa cyanea</i>	7/15/79	2	F	Roadside
						7/25/79	4	SN	Roadside
					<i>Metacypsa tenebrosa</i> (Hentz)	10/18/79	5	SN	Roadside
					<i>Myranache hentsi</i> Banks	7/15/79	2	SN	Roadside
					<i>Rallus youngii</i> Peckham	12/10/78	2	SN	Roadside
						11/7/79	8	F	Roadside
					<i>Habronattus coronatus</i> (Hentz)	7/14/78	1	SN	Roadside
					<i>Plexippus paucipes</i> Emerton	10/25/79	5	SN	Roadside
						11/18/79	7	SN	Roadside
					<i>Peckhamia pinda</i> (Hentz)	10/12/78	2	SN	Roadside
					<i>Salticus scenicus</i> (Linnaeus)	7/25/79	7	F	Building
					<i>Sitticus palustris</i> (Peckham)	5/27/78	8	F	Forest
						10/15/78	1	SN	Roadside
					<i>Sitticus floridanus</i> Gertsch & Hulath	4/11/79	4	SN	Roadside
					<i>Mareia vittata</i> (Hentz)	6/18/79	7	SN	Roadside
						11/7/79	8	SN	Roadside
					<i>Hentzia mitrata</i> (Hentz)	7/25/79	7	SN	Roadside
					<i>Hentzia palmarum</i> (Hentz)	4/11/79	4	F	Forest
					Aglenidae				
					<i>Aglenopsis nevada</i> (Walckenaer)	10/12/78	2	F	Roadside
						12/4/78	3	F	Roadside
						4/11/79	4	F	Roadside
					<i>Aglenopsis pennsylvanica</i> (Koch)	10/25/79	5	F	Roadside
						11/18/79	7	F	Roadside
					<i>Coras medicinalis</i> (Hentz)	10/18/79	5	F	Roadside
					Pisauridae				
					<i>Pelopatia undulata</i> Keyserling	6/30/78	6	SN	Roadside
					<i>Dolomedes sexpunctatus</i> Hentz	5/27/78	8	F	Pond
						7/25/79	2	F	Pond
					<i>Dolomedes ascriptus</i> (Hentz)	10/15/78	1	F	Building
						10/18/79	5	F	Roadside
					<i>Dolomedes tenebrosus</i> Hentz	7/14/78	1	F	Roadside
					<i>Pisaurina mira</i> (Walckenaer)	10/25/79	5	F	Forest
						11/18/79	7	F	Roadside
					<i>Tiaris peregrinus</i> (Bishop)	7/25/79	4	SN	Roadside
					Lycosidae				
					<i>Lycosa baltimoriana</i> (Keyserling)	11/7/79	8	F	Forest
					<i>Lycosa rabida</i> Walckenaer	6/30/78	6	SN	Roadside
						7/25/79	4	F	Roadside
					<i>Lycosa antefluens</i> Montgomery	10/12/78	2	SN	Roadside
						7/14/78	1	F	Roadside
					<i>Lycosa avida</i> Walckenaer	10/12/78	2	F	Roadside
						12/4/78	3	SN	Roadside
						6/18/79	7	F	Forest
					<i>Lycosa aspersa</i> Hentz	4/13/78	3	F	Roadside
						6/30/78	6	SN	Roadside
					<i>Lycosa helva</i> Walckenaer	7/14/78	1	F	Roadside
						4/11/79	4	F	Forest
					Salticidae				
					<i>Phidippus otiosus</i> Peckham	10/18/79	5	F	Forest
					<i>Phidippus audax</i> (Hentz)	10/15/78	1	F	Building
						7/15/79	2	F	Building
						4/13/78	3	F	Building
						10/18/79	5	F	Building
						7/25/79	4	F	Building
						6/30/78	6	F	Building
						7/25/79	7	F	Building
						5/27/78	8	F	Building
					<i>Phidippus whitmani</i> Peckham	10/15/78	1	SN	Roadside
						4/13/78	3	F	Building
					<i>Phidippus insignarius</i> (C.L. Koch)	10/18/79	5	SN	Roadside
					<i>Phidippus insolens</i> Peckham	5/27/78	8	F	Building
					<i>Phidippus carolinensis</i> Peckham & Peckham	4/13/78	3	SN	Roadside

General Notes

Cyclopidae					
<i>Cyclops punctulata</i> Hentz	7/25/79	4	F	Roadside	
	10/18/79	5	F	Roadside	
<i>Cyclops gufoax</i> Walckenaer	10/12/78	1	F	Forest	
	11/18/79	7	F	Forest	
<i>Cyclops francicola</i> Emerton	5/27/78	8	F	Forest	
<i>Cyclops carolinensis</i> Walckenaer	7/15/78	2	F	Roadside	
	7/25/79	4	F	Roadside	
<i>Cyclops pratensis</i> (Emerton)	10/18/79	5	SN	Roadside	
<i>Paropsis distincta</i> (Blackwall)	10/15/78	1	SN	Roadside	
	7/15/79	2	F	Forest	
<i>Paropsis vilvina</i> (Hentz)	12/10/78	2	F	Forest	
<i>Paropsis pauciflora</i> Montgomery	7/25/79	7	SN	Roadside	
<i>Paropsis saxatilis</i> (Hentz)	6/30/78	6	SN	Roadside	
<i>Trachopa pratensis</i> (Emerton)	7/25/79	4	F	Roadside	
	10/18/79	5	SN	Roadside	
<i>Planeta sedentarius</i> Montgomery	6/18/79	7	SN	Roadside	
<i>Planeta insularis</i> Emerton	4/11/79	4	F	Roadside	
<i>Planeta minutus</i> Emerton	11/7/79	8	SN	Roadside	
<i>Planeta applanatus</i> Chambers & Ivis	10/15/78	1	SN	Roadside	
<i>Arctosa cictomella</i> (Hentz)	12/4/78	3	SN	Roadside	
<i>Arctosa sumera</i> (Hentz)	5/27/78	8	F	Forest	
Oxypodidae					
<i>Psectia viridans</i> (Walckenaer)	7/14/78	1	F	Roadside	
	12/4/78	3	F	Roadside	
	4/13/78	4	SN	Roadside	
	6/18/79	7	F	Roadside	
<i>Oxypoda salticus</i> Hentz	5/27/78	8	SN	Roadside	
	11/7/79	8	MD	Building	
	10/18/79	5	F	Forest	
<i>Monatonia helia</i> Brady	7/15/79	2	SN	Roadside	
Theridiidae					
<i>Theridion epidictorium</i> (Koch)	7/14/78	1	F	Building	
	10/15/78	1	F	Building	
	12/10/78	2	F	Building	
	7/15/79	2	F	Building	
	10/15/78	2	F	Building	
	12/4/78	3	F	Building	
	4/13/78	3	F	Building	
	4/11/79	4	F	Building	
	7/25/79	4	F	Building	
	10/25/79	5	F	Building	
	10/18/79	5	MD	Building	
	6/30/78	6	F	Building	
	11/18/79	7	F	Building	
	11/7/79	8	F	Building	
<i>Theridion flavonotatum</i>					
Keyserling	4/13/78	3	SN	Roadside	
<i>Theridion frondeum</i> Hentz	7/25/79	7	MD	Building	
	10/18/79	5	SN	Roadside	
<i>Theridion difforme</i> Emerton	5/27/78	8	SN	Roadside	
<i>Spinathanus flavus</i> Hentz	7/25/79	4	SN	Roadside	
	10/18/79	5	F	Roadside	
<i>Tectona triangulosa</i> (Walckenaer)	7/14/78	1	F	Building	
	4/11/79	4	F	Building	
	6/18/79	7	SN	Roadside	
<i>Ctenium riparius</i> (Keyserling)	10/25/79	5	SN	Roadside	
<i>Ulesmia americana</i> Emerton	6/30/78	6	F	Building	
	7/14/78	1	F	Building	
	11/7/79	8	F	Building	
<i>Theridula emertoni</i> (Walckenaer)	5/27/78	8	SN	Roadside	
<i>Lutrodesmus macfani</i> (Fabricius)	10/12/78	1	F	Building	
	12/4/78	3	F	Roadside	
	7/25/79	7	F	Roadside	
	12/10/78	2	F	Building	
	11/7/79	8	F	Building	
	6/18/79	7	F	Roadside	
<i>Eutyopia limbata</i> (Walckenaer)	12/4/78	3	SN	Roadside	
<i>Conopistha trigona</i> (Hentz)	6/30/78	6	F	Building	
	6/18/79	7	F	Building	
<i>Argyodes nephilae</i> Taczanowski	4/11/79	4	F	Building	
Araneidae					
<i>Micrathena mitrata</i> (Walckenaer)	9/16/78	4	SN	Roadside	
<i>Micrathena gracilis</i> (Walckenaer)	8/10/78	1	SN	Forest	
	12/3/79	8	SN	Roadside	
	7/15/78	3	F	Forest	
<i>Micrathena sagittata</i> (Walckenaer)	8/10/78	1	F	Forest	
	13/3/79	8	F	Forest	
	7/15/78	3	F	Forest	
	7/15/79	7	F	Forest	
	9/16/78	4	F	Forest	
<i>Velucosa areolata</i> (Walckenaer)	5/7/78	1	F	Forest	
	7/15/79	9	F	Forest	
<i>Neoscona benjamini</i> (Walckenaer)	10/11/79	6	F	Forest	
<i>Neoscona pratensis</i> (Hentz)	6/12/79	6	F	Forest	
<i>Neoscona domiciliorum</i> (Hentz)	7/15/79	6	F	Forest	
<i>Neoscona arabaeana</i> (Walckenaer)	9/11/78	5	MD	Building	
	8/24/79	8	MD	Building	
	10/25/79	5	F	Forest	
<i>Neoscona sacca</i> (Walckenaer)	10/11/79	6	F	Forest	
<i>Mangora gibbotosa</i> (Hentz)	11/18/79	7	F	Forest	
	6/18/79	7	MD	Building	
Araneidae					
<i>Mangora planida</i> (Hentz)	9/16/78	4	F	Forest	
	10/11/79	6	F	Forest	
<i>Cyclosa conica</i> (Pallas)	9/11/78	5	MD	Building	
	6/12/79	6	F	Building	
	4/11/79	4	F	Building	
<i>Argiope aurantia</i> Lucas	4/11/79	4	F	Building	
	6/18/79	7	F	Forest	
	8/24/79	8	F	Building	
	5/7/78	1	F	Forest	
<i>Argiope trifasciata</i> (Forsk.)	7/14/78	1	F	Forest	
	4/11/79	4	F	Roadside	
	6/18/79	7	F	Forest	
<i>Theridionoma gemmosa</i> (Koch)	7/15/79	6	F	Forest	
<i>Aranus cavatica</i> (Linnaeus)	5/7/78	1	F	Roadside	
	7/15/78	3	F	Roadside	
	9/11/78	5	F	Forest	
	7/15/79	7	F	Roadside	
<i>Aranus thaidicus</i> (Linnaeus)	12/4/78	3	SN	Roadside	
<i>Aranus frondosa</i> (Linnaeus)	6/30/78	6	SN	Roadside	
<i>Aranus notibonusi</i> (Thorell)	10/12/78	2	SN	Forest	
<i>Aranus matmoreus</i> (Clerck)	10/12/78	1	F	Roadside	
	10/25/79	7	F	Roadside	
	11/18/79	5	F	Forest	
	9/16/78	4	F	Roadside	
	10/11/79	6	F	Forest	
	4/11/79	4	F	Forest	
<i>Draxilla directa</i> (Hentz)	4/11/79	4	F	Forest	
	11/18/79	5	SN	Roadside	
<i>Eustala anastera</i> (Walckenaer)	6/12/79	7	F	Forest	
	10/11/79	6	F	Forest	
<i>Gasteracantha elipsoidea</i> (Walckenaer)	7/15/78	3	F	Forest	
	9/11/78	5	F	Forest	
	8/24/79	8	F	Forest	
	11/18/79	7	F	Forest	
Acanthepeinae					
<i>Acanthepeina stellata</i> (Walckenaer)	7/15/78	3	F	Forest	
	12/4/78	3	F	Forest	
	6/30/78	6	F	Forest	
	7/25/79	4	F	Forest	
<i>Acanthepeina moesta</i> Comstock	10/25/79	5	F	Forest	
<i>Acaccia humata</i> (Hentz)	4/11/79	4	MD	Building	
	8/24/79	8	SN	Roadside	
<i>Ananiella duplicata</i> Chamberlin & Ivis	12/4/78	3	F	Forest	
<i>Cyclosa bifurca</i> (Hentz)	4/11/79	4	F	Building	
	7/15/79	7	F	Building	
<i>Cyclosa conica</i> (Pallas)	10/12/78	1	F	Building	
	10/11/79	6	MD	Building	
	8/24/79	8	MD	Building	
<i>Haemaphysalis bisaccatum</i> Emerton	12/3/79	8	SN	Roadside	
<i>Conopsea ozarkensis</i> Archer	10/12/78	2	SN	Roadside	
<i>Epeira cotura</i> (Clerck)	5/7/78	1	SN	Roadside	
<i>Nephila clavipes</i> (Linnaeus)	11/7/79	8	F	Forest	
<i>Neosoma pennis</i> (Walckenaer)	10/25/79	5	F	Forest	
<i>Sings pratensis</i> Emerton	7/15/78	3	SN	Roadside	
	6/12/79	6	SN	Forest	
<i>Wixia ectypa</i> (Walckenaer)	10/12/78	2	SN	Forest	
	7/15/79	7	SN	Roadside	
Tetragnathidae					
<i>Tetragnatha skraminea</i> Emerton	9/16/78	4	F	Fond	
	7/15/79	7	F	Fond	
<i>Tetragnatha labotiosa</i> Hentz	9/16/78	4	F	Fond	
	11/7/79	8	F	Fond	
<i>Tetragnatha elongata</i> Walckenaer	5/7/78	1	F	Fond	
	7/15/78	3	F	Fond	
	9/11/78	5	F	Fond	
	6/12/79	6	F	Fond	
	7/15/79	7	F	Fond	
	8/24/79	8	F	Fond	
<i>Tetragnatha versicolor</i> Walckenaer	6/30/78	6	F	Fond	
	7/25/79	4	F	Fond	
<i>Leucage venusta</i> (Walckenaer)	9/16/78	4	F	Forest	
	8/24/79	8	SN	Roadside	
	12/3/79	8	F	Roadside	
	10/11/79	6	SN	Forest	
<i>Pachygnatha tristrifata</i> C. L. Koch	9/16/78	4	SN	Roadside	
<i>Mimognatha foxi</i> (McCook)	7/14/78	1	SN	Roadside	
Linyphiidae					
<i>Linyphia marginata</i> (Koch)	5/7/78	1	F	Roadside	
	7/14/78	1	F	Roadside	
	10/12/78	2	F	Roadside	
	12/4/78	3	F	Roadside	
	4/11/79	4	SN	Roadside	
	7/15/79	7	F	Roadside	
	8/24/79	8	F	Roadside	
	11/7/79	8	SN	Roadside	
<i>Linyphia coecinea</i> (Hentz)	9/11/78	5	SN	Roadside	
	10/25/79	5	SN	Roadside	
	4/11/79	4	SN	Roadside	

<i>Frontinella pyramitella</i>					<i>Nimetus pulchellus</i> Chamberlin	9/16/78	4	SN	Roadside
(Walckenaer)	9/16/78	4	F	Roadside	<i>Eco furcator</i> (Villers)	6/12/79	6	SN	Roadside
	5/7/78	1	SH	Roadside		8/24/79	8	SN	Roadside
	7/25/79	4	SH	Roadside		12/4/78	3	SN	Roadside
	10/18/79	5	F	Roadside	Micryphantidae				
	11/18/79	7	F	Roadside	<i>Epelagone Esidentata</i> (Emerton)	7/15/79	7	S	Forest
<i>Melonea micaria</i> Emerton	10/25/79	5	SH	Roadside	<i>Epelagone maculata</i> (Banks)	6/12/79	6	S	Forest
<i>Melonea fabra</i> (Keyserling)	7/15/79	2	SH	Roadside	<i>Epelagone autumnata</i> (Emerton)	10/15/78	1	S	Forest
	7/15/79	2	SH	Roadside	<i>Grammonata maculata</i> (Banks)	11/18/79	7	S	Forest
Mimetidae					<i>Grammonata inornata</i> (Emerton)	4/11/79	4	S	Forest
<i>Nimetus intersector</i> Hentz	5/7/78	1	SH	Roadside		10/25/79	5	S	Forest
					<i>Walckenaeta vigilax</i> (Blackwall)	7/15/79	2	S	Forest

* Species not published prior to the present collection.

** 1 Donaldson 5 Fulton
 2 Randall 6 White Oak Lake
 3 Columbus 7 Garland City
 4 Fordyce 8 El Dorado

*** S—Sieve
 SN—Sweep net
 P—Hand picking
 MD—Mud-dauber nests

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PROFILE OF HUMAN-RABID SKUNK CONTACTS IN ARKANSAS: 1977-1979

In recent years, rabies has become a serious problem in the striped skunk (*Mephitis mephitis*) population of Arkansas. With 98 positive cases in 1977, 140 in 1978 and 297 in 1979, Arkansas ranks first in the number of skunk rabies per square mile. The Arkansas Department of Health, in 1979, declared rabies in striped skunks to be of epidemic proportion. This paper presents a profile of human contacts with rabid skunks over this three-year period.

Using information gathered from the Arkansas Department of Health, those individuals who had contact with laboratory-confirmed rabid skunks were interviewed either by questionnaire or by telephone in an effort to determine the behavior of the skunk, the habitat in which the skunk was killed, time of day of the contact and whether or not other skunks had been seen behaving in a similar manner. Response to this poll varied from 40% in 1977, 80% in 1978 and 95% in 1979.

Table 1 summarizes the behavior of rabid skunks at the time contact was made. As can be seen, roughly half of the skunks behaved in an aggressive manner. Another one-third were either non-aggressive but unafraid or behaved in a sick or disoriented manner. These data agree with Richards' (1957, North Dakota Outdoors 20:4-5, 16) observations that rabid skunks are "most aggressive and determined" than any other form of wildlife in their attacks on humans and on other animals. Table 2 indicates that most rabid skunks in the acute state of infection are solitary.

Table 3 identifies habitats in which the skunks were killed. Over half of the skunks were killed in and around buildings in the country. The striped skunk is increasingly being found in close approximation to human habitation (Verts, 1967. The biology of the striped skunk. Univ. Ill. Press. 218 pp.). The fact that such a large number of the rabid skunks were killed in and around buildings, further demonstrates the potential danger of rabies to human and domestic animals.

Most of the rabid skunks encountered in these three years (75%) were active during daylight hours (Table 4). To some degree, this may reflect human activity patterns. However, it clearly illustrates that the rabid skunk's activity often deviates drastically from the normal nocturnal or crepuscular pattern.

Table 1. General Behavior of Rabid Skunk

BEHAVIOR	1977	1978	1979	TOTAL
Aggressive	12(37) ¹	63(60)	122(46)	197(48)
Unafraid but not aggressive	6(18)	14(13)	54(20)	74(18)
Disoriented or sick	11(33)	15(14)	62(23)	88(22)
Normal	1(3)	4(4)	6(2)	11(3)
Dead	3(9)	10(9)	25(9)	38(9)

¹ - Parenthesis indicates percentage

Table 2. Have Other Skunks Been Seen Behaving in a Similar Manner?

	1977	1978	1979	TOTAL
YES	9(29) ¹	28(27)	69(26)	106(26)
NO	22(71)	76(73)	199(74)	297(74)

¹ - Parenthesis indicate percentage