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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.) Shinnners 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**
Valerianella 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

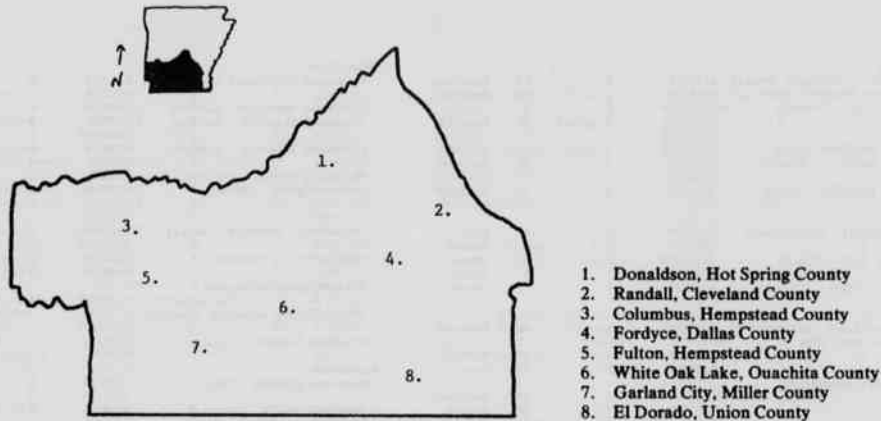


Figure 1. Map of West Gulf Coastal Plains Showing Check Stations

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 hibernatis</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
Amurobiidae				
<i>Amurobius 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>Hexpyllus 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>Dassylus covensis</i> Emlin	8/24/79	8	SN	Roadside
<i>Dassylus mephisto</i> Chambers	11/18/79	7	SN	Roadside
<i>Dassylus 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>Clubiona 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> Easton	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 obesa</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	8/25/78	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 mystaceus</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>Marpissa lineata</i> (Koch)	10/18/79	5	F	Forest
						6/30/78	6	SN	Roadside
					Salticidae				
					<i>Marpissa lineata</i> (Koch)	7/25/79	4	SN	Forest
						7/15/79	2	MD	Building
					<i>Marpissa 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>Thalassia 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>Mavia 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

Cynipidae				Areneidae					
<i>Cyclops punctulata</i> Hentz	7/25/79	4	P	Roadside	<i>Mungora planida</i> (Hentz)	9/16/78	4	F	Forest
	10/18/79	5	F	Roadside		10/11/79	6	F	Forest
<i>Cyclops guifera</i> Walckenaer	10/12/78	1	F	Forest	<i>Cyclosa conica</i> (Pallas)	9/11/78	5	MD	Building
	11/18/79	7	F	Forest		6/12/79	6	F	Building
<i>Cyclops frondicola</i> Emerton	5/27/78	8	F	Forest	<i>Aspioge nurantia</i> Lucas	4/11/79	4	F	Building
<i>Cyclops carolinensis</i> Walckenaer	7/15/78	2	F	Roadside		6/18/78	7	F	Forest
	7/25/79	4	F	Roadside		8/24/79	8	F	Building
<i>Cyclops pratensis</i> (Emerton)	10/18/79	5	SN	Roadside		5/7/78	1	F	Forest
<i>Pandora distincta</i> (Blackwall)	10/15/78	1	SN	Roadside	<i>Aspioge trifasciata</i> (Forsk.)	7/14/78	1	F	Forest
	7/15/79	2	F	Forest		4/11/79	4	F	Roadside
<i>Pandora milvina</i> (Hentz)	12/10/78	2	F	Forest	<i>Theridionoma gemmosa</i> (Koch)	6/18/79	7	F	Forest
<i>Pandora pauciflora</i> Montgomery	7/25/79	7	SN	Roadside	<i>Aspura cavatica</i> (Linnaeus)	7/15/79	6	F	Forest
<i>Pandora saxatilis</i> (Hentz)	6/30/78	6	SN	Roadside		5/7/78	1	F	Roadside
<i>Toxochus pratensis</i> (Emerton)	7/25/79	4	F	Forest		7/15/78	3	F	Roadside
	10/18/79	5	SN	Roadside		9/11/78	5	F	Forest
<i>Planita sedentarius</i> Montgomery	6/18/79	7	SN	Roadside		7/15/79	7	F	Roadside
<i>Planita insularis</i> Emerton	4/11/79	4	F	Roadside	<i>Aspura thalicta</i> (Linnaeus)	12/4/78	3	SN	Roadside
<i>Planita minutus</i> Emerton	11/7/79	8	SN	Roadside	<i>Aspura frondosa</i> (Linnaeus)	6/30/78	6	SN	Roadside
<i>Planita sylvarum</i> Chambers & Ivis	10/15/78	1	SN	Roadside	<i>Aspura notibonoi</i> (Thorell)	10/12/78	2	SN	Forest
<i>Aspidia cicatricula</i> (Hentz)	12/4/78	3	SN	Roadside	<i>Aspura matronae</i> (Clerck)	10/12/78	1	F	Roadside
<i>Aspidia lunata</i> (Hentz)	5/27/78	8	F	Forest		10/25/79	7	F	Roadside
						11/18/79	5	F	Forest
Oxyopidae				Dreixilidae					
<i>Pucetia viridans</i> (Walckenaer)	7/14/78	1	F	Roadside	<i>Dreixilia directa</i> (Hentz)	9/16/78	4	F	Forest
	12/4/78	3	F	Roadside		4/11/79	6	F	Forest
	4/13/78	4	SN	Roadside		11/18/79	5	SN	Roadside
	6/18/79	7	F	Roadside	<i>Eustalia anatera</i> (Walckenaer)	6/12/79	7	F	Forest
<i>Oxyopes salticus</i> Hentz	5/27/78	8	SN	Roadside		10/11/79	6	F	Forest
	11/7/79	8	MD	Building	<i>Gasteracantha elipsoidea</i>				
	10/18/79	5	F	Forest	(Walckenaer)	7/15/78	3	F	Forest
<i>Hexentia helia</i> Brady	7/15/79	2	SN	Roadside		9/11/78	8	F	Forest
						8/24/79	7	F	Forest
						11/18/79	7	F	Forest
Theridiidae				Acanthepiidae					
<i>Theridion tepidariorum</i> (Koch)	7/14/78	1	F	Building	<i>Acanthepia stellata</i>				
	10/15/78	1	F	Building	(Walckenaer)	7/15/78	3	F	Forest
	12/10/78	2	F	Building		12/4/78	3	F	Forest
	7/15/79	2	F	Building		6/30/78	6	F	Forest
	10/15/78	2	F	Building		7/25/79	4	F	Forest
	12/4/78	3	F	Building	<i>Acanthepia moesta</i> Comstock	10/25/79	5	F	Forest
	4/13/78	3	F	Building	<i>Accesia humata</i> (Hentz)	4/11/79	4	MD	Building
	4/11/79	4	F	Building		8/24/79	8	SN	Roadside
	7/25/79	4	F	Building	<i>Asaniella duplicata</i>				
	10/25/79	5	F	Building	(Chamberlin & Ivis)	12/4/78	3	F	Forest
	10/18/79	5	MD	Building	<i>Cyclosa bifurca</i> (Hentz)	4/11/79	4	F	Building
	6/30/78	6	F	Building		7/15/79	7	F	Building
	11/18/79	7	F	Building	<i>Cyclosa conica</i> (Pallas)	10/12/78	1	F	Building
	11/7/79	8	F	Building		10/11/79	4	MD	Building
<i>Theridion flavonotatum</i>						8/24/79	8	MD	Building
Keyserling	4/13/78	3	SN	Roadside	<i>Metaphora bisacatum</i> Emerton	12/3/79	8	SN	Roadside
<i>Theridion frondeum</i> Hentz	7/25/79	7	MD	Building	<i>Conopsea ozarkensis</i> Archer	10/12/78	2	SN	Roadside
	10/18/79	5	SN	Roadside	<i>Epeira coturna</i> (Clerck)	5/7/78	1	SN	Roadside
<i>Theridion differens</i> Emerton	5/27/78	8	SN	Roadside	<i>Nephila clavipes</i> (Linnaeus)	11/7/79	8	F	Forest
<i>Spinathus flavus</i> Hentz	7/25/79	4	SN	Roadside	<i>Neoscomeia pegna</i> (Walckenaer)	10/25/79	5	F	Forest
	10/18/79	5	F	Roadside	<i>Singa pratensis</i> Emerton	7/15/78	3	SN	Roadside
<i>Tetrana triangulosa</i> (Walckenaer)	7/14/78	1	F	Building		6/12/79	6	SN	Forest
	4/11/79	4	F	Building	<i>Wixia ectypa</i> (Walckenaer)	10/12/78	2	SN	Forest
	6/18/79	7	SN	Roadside		7/15/79	7	SN	Roadside
<i>Ctenium riparius</i> (Keyserling)	10/25/79	5	SN	Roadside	Tetragnathidae				
<i>Utesia americana</i> Emerton	6/30/78	6	F	Building	<i>Tetragnatha straminea</i> Emerton	9/16/78	4	F	Fond
	7/14/78	1	F	Building		7/15/79	7	F	Fond
	11/7/79	8	F	Building	<i>Tetragnatha labiosa</i> Hentz	9/16/78	4	F	Fond
<i>Theridula emertoni</i> (Walckenaer)	5/27/78	8	SN	Roadside		11/7/79	8	F	Fond
<i>Lutrosetia macfani</i> (Fabricius)	10/12/78	1	F	Building	<i>Tetragnatha elongata</i> Walckenaer	5/7/78	1	F	Fond
	12/4/78	3	F	Roadside		7/15/78	3	F	Fond
	7/25/79	7	F	Roadside		9/11/78	5	F	Fond
	12/10/78	2	F	Building		6/12/79	6	F	Fond
	11/7/79	8	F	Building		7/15/79	7	F	Fond
<i>Eutyopia limbata</i> (Walckenaer)	6/18/79	7	F	Roadside	<i>Tetragnatha versicolor</i>				
<i>Conopista trigona</i> (Hentz)	12/4/78	3	SN	Roadside	(Walckenaer)	6/30/78	6	F	Fond
	6/30/78	6	F	Building		7/25/79	4	F	Fond
	6/18/79	7	F	Building	<i>Leucauge venusta</i> (Walckenaer)	9/16/78	4	F	Forest
<i>Argyodes nephelae</i> Taczanowski	4/11/79	4	F	Building		8/24/79	8	SN	Roadside
						12/3/79	8	F	Roadside
						10/11/79	6	SN	Forest
Araneidae				Pachygnathidae					
<i>Micrathena mitrata</i> (Walckenaer)	9/16/78	4	SN	Roadside	<i>Pachygnatha tristrifata</i>				
<i>Micrathena gracilis</i> (Walckenaer)	8/10/78	1	SN	Forest	C. L. Koch	9/16/78	4	SN	Roadside
	12/3/79	8	SN	Roadside	<i>Mimognatha foxi</i> (McCook)	7/14/78	1	SN	Roadside
	7/15/78	3	F	Forest	Linyphiidae				
<i>Micrathena agellata</i>					<i>Linyphia marginata</i> (Koch)	5/7/78	1	F	Roadside
(Walckenaer)	8/10/78	1	F	Forest		7/14/78	1	F	Roadside
	12/3/79	8	F	Forest		10/12/78	2	F	Roadside
	7/15/78	3	F	Forest		12/4/78	3	F	Roadside
	7/15/79	7	F	Forest		4/11/79	4	SN	Roadside
	9/16/78	4	F	Forest		7/15/79	7	F	Roadside
<i>Verucosa arenata</i> (Walckenaer)	5/7/78	1	F	Forest	<i>Linyphia coquina</i> (Hentz)	8/24/79	8	F	Roadside
	7/15/79	7	F	Forest		11/7/79	8	SN	Roadside
<i>Neoscona benjamini</i> (Walckenaer)	10/11/79	6	F	Forest		9/11/78	5	SN	Roadside
<i>Neoscona pratensis</i> (Hentz)	6/12/79	6	F	Forest		10/25/79	5	SN	Roadside
<i>Neoscona domiciliorum</i> (Hentz)	7/15/79	6	F	Forest		4/11/79	4	SN	Roadside
<i>Neoscona arabesca</i> (Walckenaer)	9/11/78	5	MD	Building					
	8/24/79	8	MD	Building					
	10/25/79	5	F	Forest					
<i>Neoscona sacra</i> (Walckenaer)	10/11/79	6	F	Forest					
<i>Mangora gibbata</i> (Hentz)	11/18/79	7	F	Forest					
	6/18/79	7	MD	Building					

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

* Species not published prior to the present collection.

** 1 Donaldson
2 Randall
3 Columbus
4 Fordyce

5 Fulton
6 White Oak Lake
7 Garland City
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