2009 A.A.S. Annual Meeting
Arkansas Tech University
Russellville, Arkansas
Friday 26 June - Wednesday 1 July
Hosted by:
Dr. Tsunemi Yamashita

Please note that all information concerning the 2009 Meeting is available online at the A.A.S. website:


It is preferred that Registration and abstract submission be done via the website.
2009 A.A.S. Annual Meeting
Arkansas Tech University
Russellville, Arkansas
Friday 26 June - Wednesday 1 July

Hosted by:
Dr. Tsunemi Yamashita

This year’s meeting will be hosted by Arkansas Tech University and its Lake Point Conference Center. Enrolling approximately 6,000 students, Arkansas Tech University (Tech) is a smaller regional undergraduate university located in the Arkansas River valley between the Ozark and Ouachita mountain ranges. The main campus is in Russellville, Arkansas approximately halfway between Little Rock, the state capitol, and Ft. Smith on the western Arkansas boundary. It is easy to find the Tech campus as Russellville is on the Interstate 40 corridor through Arkansas. The Lake Point Conference Center is a few miles to the west on Lake Dardanelle and offers meeting rooms, dining, and housing facilities for an excellent meeting venue. The local area offers many recreational activities as two national forests and three state parks are within a leisurely drive. To learn more about the Tech campus, Lake Point Conference center and the river valley, visit these following websites:

http://www.atu.edu/
http://lakepoint.atu.edu/
http://www.arvtripeaks.com/

Abstract Deadline is May 29th. The Registration Deadline is June 10th. Late fees will apply if registering after June 10th.

Venues and Talks

Poster session: The posters will be placed outside the Event Center’s auditorium on large boards. Each poster must fit within a 123 cm X 123 cm space (4’ x 4’).

Oral presentations: All oral presentations are scheduled in the Event Center’s auditorium. This auditorium seats up to 130 people. The presentation computer has MS Office 2003 with a compatibility pack for MS Office 2007. Your presentation can be loaded via a flash drive or a CD. Unfortunately, laptops cannot be wired into the computer system. Specific details concerning loading your presentation will be given as the abstracts are organized. See the conference website in June for more details.

Call for symposia: If AAS members are interested in organizing a symposia, please email T Yamashita (arachnology@atu.edu).

Student poster and oral presentation competitions: Any undergraduate or graduate student presenting a poster or a talk are welcome and encouraged to enter the student paper competition. If you have won a previous AAS poster competition, you cannot enter in the poster competition. Similarly, if you have won a previous oral presentation award, you cannot enter in the oral presentation competition. Former poster award winners can enter the oral presentation competition and oral presentation winners can enter in the poster competition.

Silent and live auction: Any suitable item with ties to arachnology can be placed in the silent and live auction. Generally, the live auction materials are those that will provide a good monetary return to the AAS and provide lively entertainment at the banquet. You can send auction items to T Yamashita at the address below. Please include a note about which auction you would like your items to go to.

Casual night with arachnids: Once again, we will schedule short, entertaining talks about arachnids and arachnology. Short films, slide shows, and travel experiences about arachnids will be shown. The casual night is scheduled for the third evening (Sunday, June 28th) from 7 – 9pm. These presentations will be moderated and limited to 15 minutes.

AAAFF: Members and groupies of the AAAFF (Arachnological Association for the Absorption of Federal Funds) will convene at the casual night to further present their yearly findings.

Upward Bound Opportunity: ATU will host about 100 under represented high school students from the river valley region and Arkansas in the summer Upward Bound Program. If you are interested in presenting a short talk about arachnids or science careers to these students please email T. Yamashita. We would like to put together several short talks for these students on Saturday night at 7pm.

Reprints:
If you have extra publications you would like to exchange with others, please do so. We will set up a table for reprint exchange.

Lake Point Housing

On site meeting rooms are limited to 80 persons, so get your room reservations early. All onsite housing arrangements are handled separately and housing arrangements can be made through the reservations coordinator at the Lake Point Conference center by calling this number 479-356-6240. Room reservations can also be made through this online form: http://lakepoint.atu.edu/EC6-LodgingReservations.htm. Lodging costs at the Conference center are $65.00 per night for single
occupancy and $75.00 per night for double occupancy. A tax rate of 9% is added to these rates. WiFi access is available throughout the Lake Point Center.

**Offsite Housing**

Rooms have been requested at two local hotels in Russellville, a few miles to the east of the conference center. The Best Western in Russellville (479-967-1000) offers five double and five single rooms at $60.00 + tax per night and the Fairfield Inn (479-967-9030) offers five double rooms and five single rooms at $74.00 + tax per night. Both these hotels are located on Arkansas State highway 7 in Russellville (Interstate 40, Exit 81 then south 200 yards).

**Alcoholic Beverages**

The city of Russellville, in Pope County, is in a dry county. There are no alcohol sales in the county. Alcohol can be purchased in Conway county 20 miles east of Russellville at Blackwell (Interstate 40, exit 101) and in Franklin County 50 miles west (Interstate 40, exit 37). An open bar will be available at the Conference center during evening meals.

**Travel:**

**Automobile:**

The Lake Point Conference Center is conveniently located off of Interstate 40 near London, Arkansas. From either east or west on Interstate 40, take exit 78 south to highway 64 (it’s the smaller highway that parallels the interstate). Once on highway 64, turn west and drive about one mile to highway 333. Turn south, following the signs to Arkansas Nuclear One (ANO). The conference center is to your left, directly across the railroad tracks.

For a map, see this site:  
http://lakepoint.atu.edu/directions.htm

**Bus or Train**

Bus services are available to Russellville through Greyhound Bus Lines. See the following link for more information:  
http://www.greyhound.com/home/

Train services are available to Little Rock, AR through Amtrak:  
http://www.amtrak.com/

**Airplane**

Flights are available to Little Rock through most major carriers: Delta, United, Continental. American Airlines, US Airways, & NorthWest Airways (http://lrn-airport.com/). Automobile rentals are also available at the airport. A shuttle to Russellville can be reserved through A & A Taxi (479-967-8294). It costs $110.00 for a shuttle. You can ride with up to four people and reduce your individual costs.

**Courtesy University Shuttles:**

We plan to offer limited shuttles (two daily) to the meeting site on Friday, June 26th and again on June 30th and July 1st. Please indicate on your registration form if you would like a shuttle. After purchasing your airline tickets, contact T Yamashita with your flight information. We will update shuttle information on the website as the meeting dates approach, and we will attempt to get as many people to the site as possible. We plan to have a van available at 3pm and then again at 7pm on Friday, June 26th. This schedule may change based upon the number of requests.

**Meals**

All individuals lodging at the conference center are provided with a continental breakfast in the lodge atrium. A full breakfast and other meals can be purchased at the conference center for the following rates: Full breakfast ($9.90), Lunch ($11.25), Dinner ($20.33).

There are local and fast food eateries a few miles to the east on Highway 7 south. Immediately south of the interstate, the usual restaurants can be found: Cracker Barrel, IHOP, Waffle House, Burger King, Arby’s, Colton’s, MacDonald’s, Ruby Tuesday, and others. A restaurant guide will be published in the program.

**Weather**

Two words can summarize summer in Arkansas: hot and humid. Typically, temperatures can soar into the 90° F range with high humidity. Most people stay indoors until the sun sets or wear loose clothing to mitigate the heat. We may be lucky and experience lower temperatures, but preparation for the heat is a good precaution. May and June are the most pleasant of the summer months, and evenings during these summer months are ideal for the porch sittin’ that Southerners enjoy. Due to the heat, individuals from cooler climates may find difficulty in this weather; therefore, drinking plenty of fluids is also a must. In addition to the heat, we also have all sorts of biting, chewing, stinging, and sucking creatures as well as poison ivy. Among these critters, chiggers are usually the most unpleasant surprise to newcomers. One bright side to all these invertebrates is that spiders are plentiful.

**Field Trip**

We have planned an excursion into the Ozarks to view, hike, and collect from both upland and streamside habitats. We plan to take a short ride to the Alum Cove recreational area and visit a north slope habitat. This area is a popular destination as it contains a large rock arch and a hiking trail. For lunch, we will stop in the valley west of Alum Cove at the Haw Creek recreation area. This site is located next to a perennial stream and showcases rock formations typical of the Ozarks. It is also located next to the Ozark Highlands Trail (OHT), and...
hiking trails abound in this region. If time permits, we will stop by the Pedestal Rocks scenic area - a south slope habitat with many rock formations.

The Ozark National Forest website provides further information regarding these sites: http://www.fs.fed.us/oonf/ozark/maps/

Informal trips:

As the meeting site is located in an area with many national forest and state recreational sites, many different short trips are possible. We will provide maps and directions to several sites for touring and arachnid collection. Collection permits are available for these areas and must be in the collector's possession when collecting occurs. Many of the nearby Ozark National Forest recreation areas are listed in the website above. The Buffalo National River is 70 miles north in the Ozark Mountains: http://www.nps.gov/buff/. In addition, three state parks are close to Russellville: Petit Jean, Lake Dardanelle, and Mount Magazine State Parks. See this website for more details: http://www.arkansasstateparks.com/.

In addition, the Arkansas Natural Heritage Commission maintains lands in cooperation with the Arkansas Chapter of the Nature Conservancy with sites close to Russellville: http://www.naturalheritage.com/natural-area/map.aspx.

Lastly, the Arkansas Wine country (maybe hard to believe, but true) is just a few counties to the west in Altus, Arkansas: http://www.arkansas.com/things-to-do/wineries-micro-breweries/.

Other activities

As the conference center is on Lake Dardanelle, many aquatic activities can be pursued on site. You can bring a small boat or canoe to fish or explore the lakefront. Fishing licenses are required of all adults. No beach exists at the conference center, but swimming can be enjoyed at the nearby Lake Dardanelle State Park or at the Long Pool Recreation area in the Ozark National Forest. The conference center has a sand volleyball pit that can be used by any participant. Late June is a great time to sample the local produce. Information will be available concerning nearby berry farms, peach orchards, and farmer's markets.

Preliminary schedule

Friday, June 26th:

Registration and check in
Informal mixer with burgers at the pavilion

Saturday, June 27th:

Oral and Poster sessions

Sunday, June 28th:

Oral Sessions
Casual Arachnid Evening
Executive meeting

Monday, June 29th:

Oral Sessions
Business Meeting
Evening Banquet & Student Awards, Auction

Tuesday, June 30th:

Field Trip to Ozarks

Local Host contact Information

Dr. Tsunemi Yamashita
Department of Biological Sciences
Arkansas Tech University
1701 N Boulder Ave.
Russellville, Arkansas 72801 USA

***Note -The postal abbreviation for Arkansas is AR, not AL, AZ, ARK, AS, or AK. ([:-)])

Phone (479) 968-0327 arachnology@atu.edu
33rd Meeting of the American Arachnological Society  
Arkansas Tech University  
Russellville, Arkansas  
Friday 26 June – Wednesday 1 July, 2009  
Hosted by: Tsunemi Yamashita  
(479) 968-0327; FAX (479) 964-0837; E-mail: arachnology@atu.edu

This form can be used for registration or you can register online at http://www.americanarachnology.org/AAS_Meetings/2009_Russellville/index.html; (you can also pay online through PayPal).

Registration and abstract submission through the website is preferred but not required!

**Deadline:** 29 May for abstract submission and 10 June for registration deadline. After the deadline, a late fee will be charged (see below) and you must contact the host for permission to present a paper or poster. Abstract updates will be placed on the AAS meeting website in early June.

**The Final Deadline is 10 June 2009**

**Personal Information**

Last Name:_________________________________ First Name: _________________________________

Affiliation ______________________________________________________________________________

Address:________________________________________________________________________________

City:____________________________________ State/Providence:_______________________________

Country:________________________________  Zip code/country code:___________________________

e-mail:_________________________________  Phone & FAX:___________________________________

**Registration Fees**

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAS Member</td>
<td>$90</td>
</tr>
<tr>
<td>AAS Member PLUS 1 Non-participant guest</td>
<td>$120</td>
</tr>
<tr>
<td>Non-Member</td>
<td>$110</td>
</tr>
<tr>
<td>Non-Member PLUS 1 Non-participant guest</td>
<td>$145</td>
</tr>
<tr>
<td>AAS Student member</td>
<td>$65</td>
</tr>
<tr>
<td>Non–AAS Student (Join AAS for $30 student membership and register at the lower rate!)</td>
<td>$85</td>
</tr>
<tr>
<td>Non-participant (Taking part in breaks and socials)</td>
<td>$50</td>
</tr>
</tbody>
</table>

Name of non-participant guest(s):________________________________________________________

_____ $30 Late Fee per person (if you register and/or pay after 10 June)

**Special Events** (please check all those events you plan to attend and include fees if relevant)

___ Friday evening (26 June) Hamburger social ($16); Cash bar available
___ Monday evening (29 June) Banquet and auction ($30 regular; $25 student); Cash bar available
  ___ **Salmon en Crute**- Alaskan salmon fillets wrapped with puff pastry and baked to perfection. Served with a lemon butter sauce.
  ___ **Prime Rib**- Hand rubbed with special seasonings and roasted.
___ Tuesday (30 June); Field Trip to Ozarks ($15 – includes transportation and box lunch)
Airport shuttle request. Contact T Yamashita via email (tyamashita@atu.edu).

Indicate if your name can be placed on a spread-sheet with flight arrival information in case another attendee can carpool with you to the conference center.

Photo & Shirts

___ Group photo ($10 each)

T-shirts

Yellow background with logo design (right) ($15 each; add $2 for XXL & XXXL):

___Small; ___Medium; ___Large; ___ X-Large; ___ XXL; ___ XXXL

Lime green background with logo design (right) ($15 each; add $2 for XXL & XXXL):

___Small; ___Medium; ___Large; ___ X-Large; ___ XXL; ___ XXXL

Housing

All housing arrangements can be made through the reservations coordinator at the lake Point Conference center by calling this number 479-356-6240. Room reservations can also be made through this online form: http://lakepoint.atu.edu/EC6-LodgingReservations.htm. Lodging costs at the Conference center are $65.00 per night for single occupancy and $75.00 per night for double occupancy. A tax rate of 9% is added to these rates. See the information above (pages 2 & 3) about other local housing arrangements.

Meals

Light refreshments will be served during the morning and afternoon breaks. Light refreshments will also be provided at the poster session on Saturday evening. A continental breakfast is available in the lodging facility with all onsite lodging. A full breakfast is available for $9.90 per person; Lunch is $11.25 per person; Dinner is $20.33 per person (costs include the tax). A cash bar is available at Dinner. Here’s a short description of the menu items:

Breakfast: Sunrise Start- Scrambled Eggs, Hickory Smoked Bacon, Country Style Sausage Patties, Hash Brown, Potatoes, Biscuits, Sausage Gravy, Fresh Fruit, Mini Pastries

Lunch Selection—Themes:

Saturday June 27- Italian—Mini Salad Bar with Fire and Ice Salad, Penne Pasta, Spaghetti, Sauce Bolognese, Mariana Sauce, Alfredo Sauce, Italian Style Meatballs, Zucchini Italiano, Tiramisu

Sunday June 28- Mexican—Tacos with all the toppings, Super chicken Burritos, Spanish Rice, Refried Beans, Tortilla Soup, Peach Shortcake

Monday June 29- Dagwood sandwiches—Mini Salad Bar with Tuna Salad, New York Chicken Noodle Soup, Assorted Breads and Rolls, Variety of Meats and Cheeses to include Mesquite Smoked Turkey, Honey Ham, Deli Style Roast Beef, Old English Cheddar, Big Eye Swiss Cheese, and Provolone Cheese, Apple Pie

DINNER SELECTION—Saturday:

Mesquite Broiled Chicken Breast- Mesquite seasoned chicken breast charbroiled and coated with a light smoky glaze.

Tortilla Ancho Crusted Tilapia Filet- Crushed tortilla chips flavored with ancho chilies & cilantro coating a tilapia filet.

Salad Bar with one Combo Salad, Rice Pilaf, Key Largo Blend Vegetables, Orange Honey Glazed Baby Carrots, Pecan Pie

Sunday, Pork Chops- 5 oz. bone in pork chop breaded country style and grilled to a golden brown and served with country gravy or can be served unbreaded and charbroiled.

Southern Fried Catfish- Farm raised catfish breaded with cornmeal and deep fried and served with hushpuppies.

Salad Bar with one Combo Salad, Homemade Mashed Potatoes and Country Gravy, Buttered kissed Whole Kernel Corn, Sautéed Green Beans with Bacon and Onions, Chocolate Bundt Cake
### Meals Worksheet

#### Breakfast

<table>
<thead>
<tr>
<th></th>
<th>Saturday</th>
<th>Sunday</th>
<th>Monday</th>
</tr>
</thead>
<tbody>
<tr>
<td>_____</td>
<td>_____</td>
<td>_____</td>
<td>_____</td>
</tr>
</tbody>
</table>

Total breakfast X $9.90 = ________________

#### Lunch

<table>
<thead>
<tr>
<th></th>
<th>Saturday</th>
<th>Sunday</th>
<th>Monday</th>
</tr>
</thead>
<tbody>
<tr>
<td>_____</td>
<td>_____</td>
<td>_____</td>
<td>_____</td>
</tr>
</tbody>
</table>

Total Lunch X $11.25 = ________________

#### Dinner

<table>
<thead>
<tr>
<th></th>
<th>Saturday</th>
<th>Sunday</th>
</tr>
</thead>
<tbody>
<tr>
<td>_____</td>
<td>_____</td>
<td>_____</td>
</tr>
<tr>
<td>Mesquite Broiled Chicken Breast</td>
<td>Pork Chops</td>
<td></td>
</tr>
<tr>
<td>Tortilla Ancho Crusted Tilapia Filet</td>
<td>Southern Fried Catfish</td>
<td></td>
</tr>
</tbody>
</table>

Total Dinner X $20.33 = ________________

Meals Total = ________________

---

### Miscellaneous

**Moderator:** We will need individuals willing to serve as moderator for particular oral talk sessions. Please indicate if you are available below:

_____ I am willing to serve as a moderator at the meeting  
Session type you are willing to moderate:

_____ I will not be able to serve as a moderator at the meeting  
_____ Ecology and Evolution  
_____ Taxonomy  

If you checked yes above, please check all preferences below that apply:

_____ Behavior  
_____ Anatomy & Physiology  

Date to moderate: ____ June 27, ____ June 28, ____ June 29  
_____ Other (AAAFF etc.)

**Vince Roth Memorial Auction:** If you have items for the annual arachno-auction (during the banquet) you can mail them to T Yamashita at the address below. If you plan to bring items instead of mailing them in advance, please let Ty know how many and what items you plan to bring so a list could be started.

**Reprints:** Do you have stacks of old reprints cluttering your office shelves? Bring them to the meeting to exchange with colleagues. We will have a room available during the meeting where reprints will be available for exchange.

**AAAFF:** We will try to put together some talks for the Arachnological Association for the Absorption of Federal Funds (AAAFF) during the Casual Night with Arachnids, depending on a critical mass of contributions. Please indicate whether you have a AAAFF presentation for the meeting.

_____ Check here if you have a presentation.  
Presenter Name:__________________________

Title:_______________________________________________________________________________________________

Abstract: No more than 250 words. (Please send as either an e-mail attachment or on a separate sheet of paper with your registration). See separate instructions to authors for abstract submission.

**Casual Night with Arachnids:** The traditional informal presentations will be held on Sunday evening (28 June) from 7 – 9 p.m. contingent on the number of presentations. There will be a time limit of no more than 15 minutes and the session will be moderated. This year all talks must be reviewed beforehand. Please contact Rick Vetter (rick.vetter@ucr.edu); additional information is at the meeting website.

_____ Check here if you have a presentation (no abstract necessary).

Presenter Name:__________________________

Title:_______________________________________________________________________________________________
Payment Totals

<table>
<thead>
<tr>
<th></th>
<th>Registration:</th>
<th>$_______________________</th>
<th>Field Trip:</th>
<th>$_______________________</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-shirt(s):</td>
<td>$_______________________</td>
<td>Hamburger Mixer</td>
<td>$_______________________</td>
<td></td>
</tr>
<tr>
<td>Group Photo:</td>
<td>$_______________________</td>
<td>Banquet:</td>
<td>$_______________________</td>
<td></td>
</tr>
<tr>
<td>Meals:</td>
<td>$_______________________</td>
<td>Late Fee:</td>
<td>$____________(if applicable)</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL ENCLOSED: $_______________________

Please make your check payable to "ATU/AAS Meeting 2009" or pay and/or register online through PayPal at:

HTTP://WWW.AMERICANAARACHNOLOGY.ORG/AAS_MEETINGS/2009_RUSSELLVILLE/INDEX.HTML

If you are not registering/paying online, send registration form, abstract and payment to:

Dr. Tsunemi Yamashita
Department of Biological Sciences
Arkansas Tech University
1701 Boulder Ave.
Russellville, Arkansas 72801 USA

All payments must be received by 10 June 2009 to avoid the late registration fee.

Please see next page for abstract submission.
CALL FOR PAPERS

Abstract Submission

**Deadline: 29 May, 2009**

**Type of presentation**

- Oral (15 min total including questions)
- Poster (Posters must fit in a 42-inch space. Height may be as high as four feet)
- AAAFF (for Sunday evening)
- Casual presentation for Sunday evening (remember to submit the talk to Rick Vetter first; enter details on pg. 7)
- Not presenting but plan on attending
- Check here if you would like to be considered for the student competition. This is open to any student who has not previously won the student competition. Former runners-up may enter. Additional information can be found at the Meeting Website (at the AAS website) – look under information about presentations in this Newsletter (pg. 11).

**Check the category below that best describes your formal presentation**

- Anatomy/Physiology
- Behavior
- Evolution
- Ecology
- Systematics/Taxonomy
- Other. Describe: ____________________________________________________________________

Would you be available to moderate a section of the oral presentations?  ____ Yes  ____ No

If yes, indicate preferred day(s) you would be available:

  ___ Saturday, June 27th  ___ Sunday, June 28th  ___ Monday, June 29th  ___ AAAFF Master of Ceremonies

If yes, indicate preferred section(s) you would like to moderate:

  ___ Anatomy/Physiology  ___ Behavior  ___ Evolution  ___ Ecology  ___ Systematics/Taxonomy  ___ Other. Describe: ____________________________________________________________________

**Presenters Name:**

First: _____________________________ Last: _____________________________

Presenter’s e-mail: ___________________________________________________________________________________________

Title of oral presentation or poster:

____________________________________________________________________________________________________

____________________________________________________________________________________________________

**Presenter’s Address:**

Address Line 1: ___________________________________________________________________________________________

Address Line 2: ___________________________________________________________________________________________

City: _____________________________ State: _________________ Country: ________________ Zip Code: ________________

Phone Number: ___________________________________________________________________________________________

Fax Number: ___________________________________________________________________________________________

First Author’s Name: ______________________________________________________________________________________

Institutional Affiliation of First Author (if any):

_____________________________________________________________________________________________________

Any other authors and their respective affiliation indicate below:

_____________________________________________________________________________________________________

_____________________________________________________________________________________________________

_____________________________________________________________________________________________________

_____________________________________________________________________________________________________
Slide and overhead projectors are discouraged for oral presentations with the exception of casual night with arachnids or AAAFF.

Please indicate if you require any other specialized media for your presentation:

_____ Powerpoint _____ Slide Projector (only allowed for casual night)_____ Overhead Projector _____ VCR
_____ Other: please describe: _____________________________________________________

### Abstract submission

Abstracts should be no more than 250 words. Presentation Title, author's names and institutions are not included in the word count. Do not include your full address, only institutional affiliation, State, and Country. Following the abstract, include the presenter’s name, whether the abstract is for an oral presentation or poster. Please include a title for any AAAFF or casual night with arachnid presentations. Abstracts for these informal presentations are not necessary, but are encouraged with the exception that Casual Night presentations must be submitted to Rick Vetter first (rick.vetter@ucr.edu).

(An example abstract is available on the AAS website and below)

Abstracts must be submitted either via email to tyamashita@atu.edu or through the American Arachnological Society Website (http://www.americanarachnology.org/). No paper copies will be accepted.

For email submissions, include “AAS Meeting 2009” as the subject heading. The abstract must be included as a word or RTF document

**Use the following format for abstracts:**

Submissions must be in English. For the entire document, please use 12 point text, either Arial or Helvetica.

**Predation risk of males and females of the wolf spider *Pardosa milvina* (Araneae: Lycosidae) during courtship and copulation**

Bryant T. Upton  
Department of Biology, Susquehanna University  
Selinsgrove, Pennsylvania USA  
Ann Rypstra  
Department of Zoology, Miami University  
Hamilton, Ohio USA  
Matthew H. Persons  
Department of Biology, Susquehanna University  
Selinsgrove, Pennsylvania USA

Courtship and mating may impose substantial predation risk to wolf spiders due to reduced vigilance, conspicuous courtship displays, and lack of mobility during copulation; however, the level of risk may differ between males and females. The wolf spider, *Pardosa milvina*, modify their courtship and mating behavior in the presence of silk cues from a larger co-occurring predatory wolf spider, *Hogna helluo*. We compared male and female *Pardosa* predation by *Hogna* during courtship interactions and copulation with and without silk cues from *Hogna* (21 pairs/treatment). We measured mating success, courtship latency, courtship intensity, and copulation duration in the presence of predator cues and a live predator. We also measured attempted and successful predation by *Hogna* or female *Pardosa* in the presence of predator cues. We compared four treatments introducing the predator, *Hogna*, either during courtship or during copulation and either with or without the presence of associated *Hogna* silk and excreta. We found that females have significantly higher predation rates during copulation with predator cues compared to males, however, the other three treatments showed no significant difference in predation between males and females. We also found no significant difference in lunge rates by *Hogna* toward males across silk deposition treatments. Females were also significantly more aggressive towards males when there were no predator cues present suggesting females may reduce sexual cannibalism while under predation risk. Male *Pardosa* delay courtship in the presence of chemical cues from *Hogna* and male courtship display rates were greatly reduced after *Hogna* introduction.

Presenter: Bryant Upton
Poster
Student poster competition
STUDENT PAPER PRESENTATION AWARD GUIDELINES

I. ELIGIBILITY
A. The student should submit a copy of the paper’s abstract* to the meeting organizer by the specified deadline (10 June, 2009). A letter containing a statement from the student’s major professor or supervisor indicating the extent to which the work was independently developed and executed by the student also must be sent to the meeting host**. The name and mailing address of the Meeting Host are:

Dr. Tsunemi Yamashita
Department of Biological Sciences
Arkansas Tech University
1701 N Boulder Ave.
Russellville, Arkansas 72801 USA

E-mail: arachnology@atu.edu

*The abstract may be submitted via the A.A.S. Website
**The letter should be sent either electronically or by post to the host.

B. The presentation either represents independent or joint research in which the student’s contribution has been substantial. In case of a co-authored paper the student presenting the paper must be first author.

C. Entry is limited to one standard paper per meeting.

D. Previous winners of the Student Paper award are not eligible. Runner-ups are eligible.

II. JUDGES
A. A panel of three judges will be appointed by the President-Elect before the meeting. Abstracts of all student papers and a copy of the judging guidelines will be mailed to each judge prior to the meeting. An appropriate number of evaluation sheets (listing the criteria as below) shall accompany the abstract package for each judge. Judges will be chosen from different disciplines (systematics, morphology, physiology, ecology, behavior).

B. Efforts should be made to avoid bias or conflict of interest in judging, either by appointing judges with no students in the competition or, if that is unavoidable, by having judges abstain from voting on their own students.

C. Judges should meet twice: once before the paper presentation to review the guidelines and once afterward to make a decision on ranking.

D. At least one hour should be available between the last eligible presentation and the scheduled announcement of the award.

III. EVALUATION
A. Judges should rate presentations as “Outstanding, Good, Adequate, or Poor” based on the criteria listed below. In co-authored papers, the judges will carefully evaluate the student’s contribution to the presented research. In case of a tie or very close ranking, the judges may decide on a joint award.

B. Scientific Criteria
1. Introduction:
   a. Was there a clear introduction to the research problem?
   b. Was the importance of the research question explained? Why was the work done?
   c. Did the speaker provide a background and context for the research? What was the state of the field prior to this study? A review of the entire field is not necessary, but the speaker must provide a reference framework in which to assess the work.
   d. Was a clear statement of the hypothesis(ies) provided?

2. Methods:
   a. Was there a clear explanation of the techniques used in the project?
   b. How creative was the work? If the presentation involved techniques commonly used by the advisor, did the student utilize the technique to approach novel issues or novel questions?

3. Results:
   a. Were the results of the study a valuable contribution to the field? Was the significance of the results clearly demonstrated? Could the student convince the audience they should care about their results?!
   b. Were the experiments or results approached from several perspectives?

4. Discussion & Conclusions:
   a. Were the results well summarized and placed in context relative to the introduction?
   b. How sound were the conclusions?
   c. Did the student extend the work beyond other projects associated with their advisor, or was it simply a minor increment of similar work?
   d. Was the research sufficiently independent, unique, or creative?
   e. Were the conclusions put in a broader context extending the value of the work beyond a small area in arachnology to better understanding within the field of systematics/behavior/ecology/etc?

C. Presentation Style and Logistics (oral):
1. Did the speaker speak clearly and logically or was the organization of the talk confused and disorganized? Did the speaker communicate clearly and easily? Was eye contact made with the audience, or was the paper simply read from notes or the screen?

2. Were the graphics lucid? Were all of the figures intelligible with axes clearly labeled? Were tables broken into decipherable segments? Did the student clearly put effort into making the graphics used for the talk self-explanatory or informative?

3. Were the techniques used explained with a minimal use of specialist jargon so that a nonspecialist or non-scientist could understand how the project was done?

4. Did the student project a professional demeanor, or were excessive excuses made?

5. How poised was the speaker? Was the presentation “timed” correctly?

6. How well did the speaker respond to questions?

D. Presentation Style and logistics (poster):
1. Was the poster clearly organized and well planned or was it clearly done at the last minute?
2. Were the graphics lucid? Were all of the figures intelligible with axes clearly labeled? Were tables broken into decipherable segments? Were the text, tables, and graphics self-explanatory or informative?
3. Were the techniques used clearly explained with a minimal use of specialist jargon, such that a non-specialist or non-scientist could understand how the project was done?
4. Was the poster clearly arranged such that there was minimal text for maximal effect? Were the visuals used appropriate for the point being made?
5. How well did the presenter respond to questions?

IV. ADDITIONAL PROCEDURES
Traditionally, the award is announced at the society’s banquet. Students are strongly encouraged to attend the banquet since this is an ideal setting to “schmooze” with established arachnologists and to see George Uetz, auctioneer extraordinaire, and his faithful companion, Al Cady, at their best.

V. AWARDS
The top ranking and runner-up individuals traditionally receive a monetary award. Other awards vary according to donations and other philanthropy.

SAMPLE JUDGING SHEET
Name of Student: ______________________________
Co-authors: ________________________________
Title of Paper: _______________________________

OVERALL RATING - ________________________

Scientific criteria:
- Clarity of Introduction; background & context.
- Abstract; summarize main results of research?
- Scope of research problem; hypothesis(es) stated?
- Approach, design, and creativity of study
- Quality and details of analysis; clearly explained?
- Significance of results; different perspectives used?
- Soundness of conclusions; relation to Introduction?
- Contribution to field; impact outside immediate field?

Rating of Scientific Criteria - __________________

Presentation (oral):
- Overall organization and clarity; proper timing?
- Oral presentation skill; presence, poise, & demeanor.
- Graphics were high quality and easy to read and interpret.
- Ability to respond to questions.

Rating of Oral Presentation Criteria - _____________

Presentation (poster):
- Overall organization and clarity.
- Minimal text for maximal effect?
- Graphics were high quality and easy to read and interpret.
- Ability to respond to questions.

Rating of Poster Presentation Criteria - _____________

HINTS ON GIVING A GREAT RESEARCH PRESENTATION
Thanks to Linda Rayor!
Award winners from the AAS Research Fund:

Re’ut Berger-Tal—Mitrani Dept. of Desert Ecology and Dept. of Life Sciences, Ben Gurion Univ. of the Negev, Sede Boqer, Israel: *Cost of inbreeding in a social spider with kin mating.*

Jason Ryndock—University of Mississippi, Oxford, MS: *The impact of ecological restoration on spider communities of an upland deciduous forest in northern Mississippi.*

Iara Sandomirsky—Mitrani Dept. of Desert Ecology and Dept. of Life Sciences, Ben Gurion Univ. of the Negev, Sede Boqer, Israel: *Life history traits and sexual cannibalism in the invasive Brown Widow spider* Latrodectus geometricus, a field study.

Ryan Storck—University of Texas at Arlington, Dept. of Biology, Arlington, TX: *A potential temperature immunity tradeoff in an ecologically important spider* Rabidosa rabida (Araneae: Lycosidae).

Kelton Welch—Dept. of Entomology, College of Agriculture, University of Kentucky, Lexington, KY: *Niche partitioning in a web-building spider community: The dietary significance of web height.*

Award winners from the Vince Roth fund:

Renee Barba—Nuevo Vedado, Plaza de la Revolucion, Ciudad da la Habana, Cuba: *Systematic, biogeography, and natural history of Sternophoridae and Opiliiidae (Arachnida: Pseudoscorpiones)* in Cuba.

Chris Hamilton—University of Texas at Arlington, Dept. of Biology, Arlington, TX: *Determining the dynamics of the edge relationships in the Aphonopelma hentzi complex and its neighbors along the Colorado River basin.*

Zeeshan Mirza—Marol Police Camp, Andheri (East), Maharashtra, India: *Scorpions and spiders in the family Theraphosidae: A survey of forests of the northern Western Ghats.*


Casey Richart—Dept. of Biology, San Diego State Univ., San Diego CA: *Testing phylogenetic and phylogeographic hypotheses of Acuclavella (Opiliones, Ischyropsalidoidea) from the Western Hemlock Zone of the northern Pacific Northwest.*

Yong-Chao Su—Dept. of Ecology & Evolutionary Biology, University of Kansas, Lawrence, KS: *An exploration of the Phillipine kleptoparasitic spider fauna (Theridiidae: Argyrodinae) and its species phylogeny.*

Congratulations to the awardees! Information on the 2010 round of funding may be found at the AAS Website. Deadline for submission is 15 January, 2010.
HELP MAKE IT HAPPEN!

From President Paula Cushing:

Dear AAS Members and Arachnophiles:

I have excellent news to pass on about Rich Bradley's Field Guide to the Spiders of North America project. Rich has signed a contract with the University of California Press! We have also received a promise from the anonymous donor who contributed to the Spiders of North America: an identification manual project that he will contribute $45,000 to the AAS to pay the illustrator. The illustrator Rich has chosen for this project is Steve Buchanan, the artist who illustrated the US Postal Service's insect and spider stamp series (http://www.amazon.com/INSECTS-SPIDERS-cents-Postage-Stamps/dp/B00136F4LU). Steve has also signed a contract to do this work.

The artist has agreed to do this work for a total of $50,000. Thus, the society must raise an additional $5000. The AAS Executive Committee has agreed to launch a donation campaign to solicit donations and support for this worthy project. In fact, one member has generously agreed to provide matching funds in this campaign. For every dollar donated by an AAS member, the EC member will donate matching funds up to $1500!

For its support of this project, the Society will receive prominent acknowledgment in the Field Guide. We will also be able to sell the Field Guide to AAS members for a discounted price.

If you would like to donate towards this fund, you can do so one of two ways:

1) Send a check clearly earmarked to the “Field Guide Project” to AAS treasurer, Karen Cangialosi; Department of Biology, Keene State College, Keene, NH 03435-2001 (kcangial@keene.edu).

2) Go to the AAS website at www.americanarachnology.org; click on “How to Become a Member”; click on “Use a Visa, Mastercard…” link; scroll down and click on the “Make a Donation to one of the AAS Research Funds or an unrestricted gift to the AAS” link; and click on the Field Guide project link to make your donation.

Thank you in advance for support of this great project!

Spiders of North America — An Identification Guide

Spiders of North America: an identification guide is now in its 3rd printing with over 3000 copies sold! It can be purchased via any major online bookseller or through the AAS website.

ORDER AT: HTTP://WWW.AMERICANARACHNOLOGY.ORG/

Joey Slowik is doing a M.S. project looking at the phylogenetics and phylobiography of the the groenlandica subgroup of the wolf spider Pardosa. The five species are P. groenlandica, P. tristis, P. bucklei, P. dromea, and P. prosaica. If you happen to be out collecting in an area where one of the five species of this group occur or other members of the modica group, which could be used as outgroup species, and could collect fresh specimens for this project it would be appreciated. Correspondence can be made with Joey at:

University of Alaska Museum, 907 Yukon Drive, Fairbanks AK 99709
ftjas4@uaf.edu

World Spider Catalog Version 9.5

This work is by Norm Platnick and edited by Peter Merrett and H. Don Cameron. Access it at the following URL...

http://research.amnh.org/entomology/spiders/catalog/
Ken Prestwich has developed our website where one may find membership information, Annual Meeting Information & Registration, announcements & Bulletin Board, officers, meeting minutes, instructions to JOA authors, an electronic JOA index, graduate study opportunities, a photo gallery, links to other arachnological sites, and JOA OnLine (electronic versions of the Journal of Arachnology; available to A.A.S. Members). Many, many thanks and kudos to Ken for applying his time and skill to the Website!! Thanks too to Holy Cross for sponsoring the site.

ARACHNOLOGY IN CYBERSPACE

International Society of Arachnology- WWW.ARACHNOLOGY.ORG;
The Arachnology Homepage – WWW.ARACHNOLOGY.BE
European Society of Arachnology—WWW.EUROPEAN-ARACHNOLOGY.ORG/
British Arachnological Society - WWW.BRITISHSPIDERS.ORG.UK/
Australasian Arachnological Society—WWW.AUSTRALASIAN-ARACHNOLOGY.ORG/
The Canadian Arachnologist—HTTP://CANADIANARACHNOLOGY.DYNDNS.ORG/

AMERICAN ARACHNOLOGY

is the official newsletter of the American Arachnological Society, and is distributed biannually to members of the Society. Items for the Newsletter should be sent to the Editor, Alan Cady, Dept. Zoology, Miami Univ.-Middletown, 4200 E. Univ. Blvd., Middletown, Ohio, 45042, USA, Voice:(513)727-3258, Fax:(513)727-3450; E-mail:CADYAB@MUOHIO.EDU.

All correspondence concerning changes of address and information on membership in the American Arachnological Society should be addressed to the Membership Secretary, Jeffery Shultz, American Arachnological Society, Dept. of Entomology, Univ. of Maryland, College Park, MD 20742; Voice:(301) 405-7519, Fax:(301)314-9290, E-mail: jshultz@umd.edu.

Membership information may be found at the AAS website: http://WWW.AMERICANARACHNOLOGY.ORG. Members of the Society also receive the JOURNAL OF ARACHNOLOGY (published triannually) and have access to electronic resources (JOA OnLine).