

American Arachnological Society

2006 Annual Meeting ❖ Baltimore, Maryland

American Arachnology

April 2007 **SUPPLEMENT** to AA Number 74 issued March 2007

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Future A.A.S. Annual Meeting Sites

2007— Susquehanna University, Selinsgrove, Pennsylvania
13–17 July

2008— UC Berkeley, Berkeley, CA

2009— McGill University, Ste. Anne de Bellevue, QC, Canada

2010— Arkansas Tech, Russellville, Arkansas

N E W !

AAS Student Travel Grant

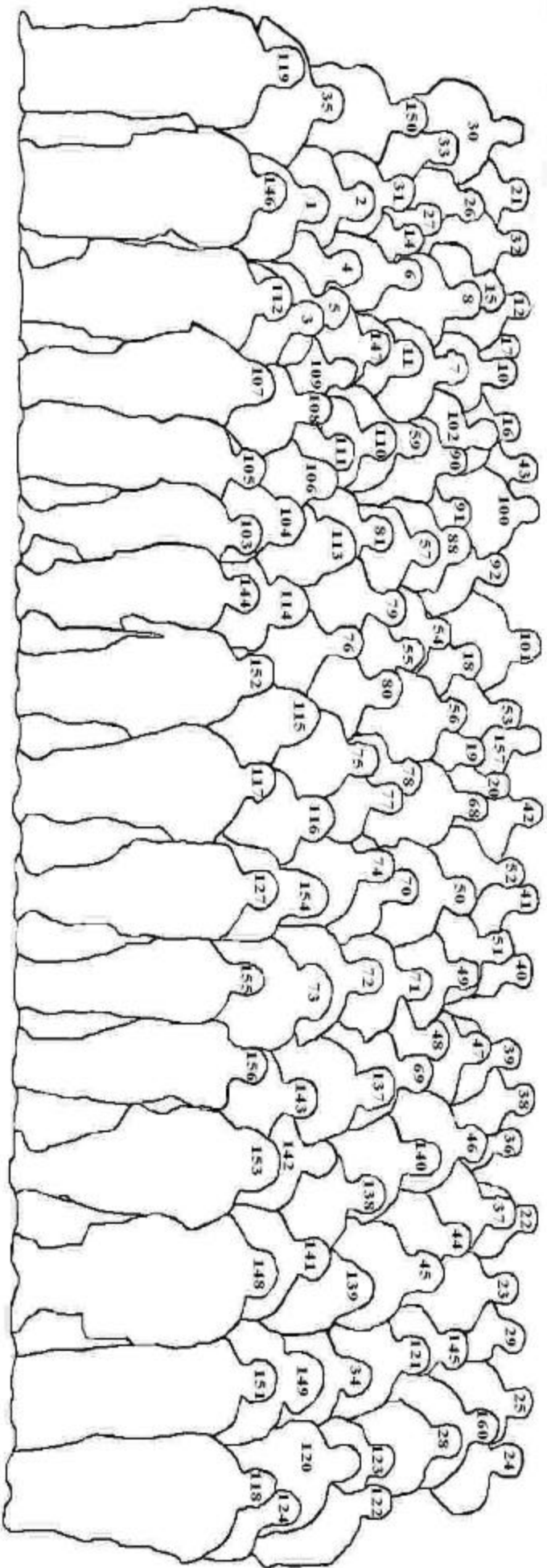
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Supplement to *American Arachnology* # 74

More from the 30th Annual AAS Meeting,

College of Notre Dame , Baltimore, MD 17-21 June, 2006

Including the group picture from the 30th meeting in Number 74 of *American Arachnology* would have produced a large file, impeding efficient electronic mailing. Thus, this supplement to *A.A.* Number 74 provides more materials related to the 30th AAS meeting and some other items of interest.



American Arachnological Society 2006

30th Annual Meeting of the American Arachnological Society,

College of Notre Dame, Baltimore, Maryland, 17-21 June, 2006

1 Shakila Mushtaq; 2 Trevor Zachariah; 3 Andrew McKenna-Foster ; 4 Clare Guichard; 5 Eric Yip; 6 Tara Sackett; 7 Michael Brewer; 8 Ting Wu; 10 George Uetz; 11 Paul Shamble; 12 Joey Slowik; 14 Paula Cushing; 15 Chris Buddle; 16 Dimitar Dimitrov; 17 Fernando Alvarez; 18 Louis Sorkin; 19 Harry Schwendi; 20 James Harwood; 21 George Klee; 22 Brent Opell; 23 Charles Hannum Jr.; 24 Jeff Shultz; 25 Daniel Rowley; 26 Lisa Taylor; 27 Barbara Robinson ; 28 Bruce Cutler; 29 Gustavo Horninga; 30 L. Brian Patrick; 31 Eileen Hebets; 32 Todd Blackledge; 33 Pablo Berea; 34 Charles Dondale; 35 Victor Fet; 36 Matt Sarver; 37 Bryant Upton; 38 Charles Bier; 39 Jim Carrel; 40 Robert Edwards; 41 Eric Edwards; 42 Al Cady; 43 Doug Gaffin; 44 Ahmed Alkhatieb; 45 G.B Edwards; 46 Jon Coddington; 47 Matt Persons; 48 Jeremy Gibson; 49 Richard Vetter; 50 Don Cameron; 51 Ben Pagac; 52 Jason Schmidt; 53 Charles Stephen; 54 Julie Bednarsk; 55 Christa Skow; 56 Jeremy Houser; 57 Kasey Fowler-Fin; 59 Joseph Spagna; 68 Greg Blass; 69 Jerry Rovner; 70 Michael J. Mille; 71 Richard Bradley; 72 Dave Clark; 73 Ben Phillip; 74 Todd Stolley; 75 Zia Nisami; 76 Shawn Wilder; 77 Alex Maywright; 78 Janet Kempf; 79 Jong-Gu Park; 80 Myung-Jin Moo; 81 Beth Jakob; 88 Ed Clebsch; 90 Benjamin Sures; 91 Lara Lopardo; 92 Tsunemi Yamashita; 100 Alexander K. Stewart; 101 Neal McReynolds; 102 Doug Morse; 103 Rebecca Duncan; 104 Greta Binford; 105 Melissa Callahan;; 106 Rebecca Holler; 107 Jacki Zewenbergen; 108 Linden Higgins; 109 M.G. Weber; 110 Ann Rypstra; 111 Jamie Havrilak; 112 Michael Avery; 113 Kristen Shimmel; 114 Anne Kahne; 115 Meghan Rector; 116 Emily Galbraith; 117 Nicki Schneider; 118 Julianna Johns; 119 Stim Wilcox; 120 Virginia Weeks; 121 Matt Greenstone; 122 Nancy Kreiter; 123 Divya Uma; 124 Cecilia Boutry; 127 Elizabeth Murray; 137 Bob Suter; 138 Jennifer Riem; 139 Kerri Wynn; 140 J. Andrew Roberts; 141 Robert Kennedy; 142 Elizabeth V. Fet; 143 Joseph Warfel; 144 Montra Yazdani; 145 Douglas Copeland; 146 Mohammad Habbulha; 147 Melody Rynerson; 148 Vladimir Ovcharenko; 149 Cheryl Beaton; 150 Jamin Dreyer; 151 Zuleyma Tang-Martinez; 152 Gayatri Guhanarayan; 153 Amy Nicholas; 154 Cara Shillington; 155 Laurie Cummins; 156 Yumiko Akamine; 157 Allen Brady; 160 Dan Jennings



American Arachnological Society
College of Notre Dame 2006

!! NEW !!

Awards for Student Travel to Annual Meetings

The AAS announces a new student travel award to supplement attendance at the AAS Annual Meeting or the International Arachnological Congress Meeting. This award is available to both undergraduates and graduate students who are presenting authors on a paper or poster. Applicants must be members of AAS and have a demonstrated financial need that cannot be met by other sources. You may receive only one award during the course of each degree. This year, we are offering two awards of \$350 each for travel to the AAS Annual Meeting in Pennsylvania, and one award of \$500 for travel to the International Congress in Brazil. To apply, download an application form from the AAS website (<http://www.americanarachnology.org/>), and submit it via email to Greta Binford (binford@lclark.edu), Chair, Student Travel Award Committee. A letter from your advisor is also required. **DEADLINE FOR THE 2007 COMPETITION IS FRIDAY, MAY 11 FOR BOTH MEET-**

For those of you yet unaware of it, the CCCP is a loosely knit organization of folks with interests in arachnology. CCCP stands for no particular official title; for purposes of the Symposium it was understood to mean "Canadian Club for Chelicero- & Pedipalpolology (or something similar). Plans are already underway to hold the 2nd International Symposium of the CCCP in Montreal in November 2006. For information on the (arachno-friendly) Entomological Society of Canada, visit: <http://esc-sec.org/>

1st International Symposium of the CCCP: Biology and Diversity of Arachnids

Moderator: Heather Proctor

The myth of necrotic arachnidism: mythconceptions, mythidentifications and mythdiagnoses

Rick Vetter

Spiders are frequently blamed for causing many medical maladies due more to historical prejudice, hyperbolic word-of-mouth and medical misdiagnoses rather than solid evidence-based research. Re-examination of "facts" regarding medically-implicated spiders by a small group of clinicians and arachnologists has shown that many of these are myths instead. Many medical conditions of diverse origins manifest in necrotic lesions which are more probable etiologies of skin eruptions than are spider bites.

Mesostigmatic mites in Australian wet forests: free living predators can be habitat specific but why?

Frédéric Beaulieu, DE Walter, HC Proctor, RL Kitching

To test whether predatory mites can be forest type- or habitat-specific, mesostigmatic mites were sampled in the soil-litter of two forest types (rainforest and open forest), and in several rainforest habitats (mainly canopy and ground litter) in Eastern Australia. Spatial ordinations indicate that each forest type and habitat type are inhabited by a distinct mite fauna. Among 217 morphospecies identified, 36 are significantly associated with a forest type and 17 show a clear affinity to the canopy. The co-occurrence of canopy species in other patchy and open habitats suggests that patchiness and microclimate are two important determinants of species distribution.

Beyond Matador: diversity of Oribatida in Canadian grasslands

Valerie Behan-Pelletier, D Kanashiro, JM Clapperton

The Matador Project (1967-1972), the first study on Oribatida in Canadian grasslands, recorded 15 species. Subsequently, published data on grassland Oribatida include representatives of only 50 species in 25 families. In contrast, our ongoing studies indicate that taxonomic diversity is high, and the fauna of major grassland types has distinct elements, sharing similarities at the genus and family levels. We examine the hypothesis that broad habitat preferences among Oribatida can be expressed at the family level.

Cicurina (Dictynidae): the genus from hell

Pierre Paquin

The troubled growth of the taxonomy and systematics of the genus is reviewed. In addition to its troglobitic radiation, *Cicurina* is also characterized by the rarity of many species, the rarity of males, a peculiar phenology that suggest cryophilic affinities, and the extreme variation of female genitalia. The combined use of molecules, morphology and geography provides insights for a revision of the genus and leads towards a comprehensive phylogeny.

Behavioural evolution in the jumping spider genus *Habronattus*

Wayne Maddison, M Hedin

Courtship ornamentation and behaviour of male *Habronattus* are complex and diverse, providing an opportunity to explore their evolution in a phylogenetic context. Courtship observations of more than 50 species suggest several patterns: coloured ornaments tend to be concentrated centrally; asymmetric motions have evolved many times; acoustic

First International Symposium of the CCCP

Canmore Alberta, November
2005

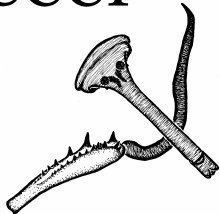
Report by Robb Bennett

Arachnology has come a long way in Canada over the last few decades. Arachnids, especially spiders and mites, are now prominent among presentations at the annual meetings of the Entomological

Society of Canada. Because of the growing number and diversity of these presentations, a plot to organize an arachnology-themed symposium was hatched by a group of arachnologists and arachno-friendly entomologists at the 2004 ESC meeting, held in Charlottetown, Prince Edward Island (the home of Canadian Confederation).

The 2005 meeting of the ESC was slated for Alberta so local acarologists Heather Proctor (Edmonton) and Derrick Kanashiro (Lethbridge) started the symposium planning process. Aided by Robb Bennett, they guided development of the First International Symposium of the CCCP (complete with t-shirt – what arachnology event would be whole without one? – designed by Wayne Maddison and Robb). The CCCP Symposium "Biology and Diversity of Arachnids" and a significant number of arachno-relevant regular presentations and posters were delivered at Canmore, Alberta as part of the ESC meetings, 2-5 November 2005. Below is an outline of the Symposium followed by a list of the other arachnology presentations and posters.

CCCP



1st International Symposium
Canmore Alberta
4 November 2005



and visual events tend to be synchronized. These patterns may be due, in part, to constraints in females' sensory systems.

A review of the factors influencing spider diversity: why do we have so many eight-legged freaks?

Christopher Buddle, TE Sackett

Although much research has documented patterns of spider diversity in space and time, seldom is this arachnological literature placed within the context of ecological theories that attempt to explain patterns in species diversity. We review the key factors governing spider diversity, including the role of disturbance, productivity, competition, moisture, and habitat complexity. We attempt to generalize about the mechanisms underlying spider diversity, recognizing that the factors related to spider diversity vary with the scale of observation.

Developing a directed approach for including spiders in Canada's endangered species conservation efforts

Robert Bennett

Spiders have no visible presence in Canada's growing federal endangered species conservation program. Successful inclusion of any taxon requires status reports including good distribution and abundance data. Except for a small minority of spider species these data are lacking and difficult to obtain. Among other taxa, realistic candidates for conservation consideration are Canada's mygalomorphs and endemic pholcids. Spiders with strong associations with threatened or endangered habitats could be targeted for future directed surveys.

Arachnology presentations and posters

(alphabetically, by presenter's name)

Jeff Battigelli. Oribatid mite fauna of central British Columbia – Impact of harvesting and soil compaction on abundance and diversity 10 years later.

Frédéric Beaulieu. Hyperdiversity in the tropics: the role of spatial and ecological turnover of species of predatory mesostigmatic mites in Australia.

Danica Belter, H Proctor. Effects of seasonality and plant species on boreal rhizosphere invertebrate assemblages.

Robert Bennett, M Salomon. Spider-habitat associations in a disturbed coastal sand dune ecosystem in southwestern British Columbia.

Colin Bergeron, JR Spence. Pitfall trap depth in 3 forest habitats.

David P Shorthouse, **Christopher Buddle**. Deciphering a complex web: the structure and dynamics of spider assemblages in disturbance-driven boreal forests.

Andrea D. Déchéne, TP Cobb, HC Proctor, JR Spence. *Sericoda* (Carabidae) beetles and *Antennoseius* (Ascidae) mites: the mystery continues.

Nadine Dupérré, P Paquin, D Buckle, D Ubick. Recent progress in Linyphiidae taxonomy.

Carol Frost, JR Spence. Temperature and moisture control of egg sacs by female fishing spiders, *Dolomedes triton* (Pisauridae).

John Hancock. Some of Waterton Lakes National Park's spiders.

K Hancock, **John Hancock**. The spider's niche.

Robert Holmberg. Review of the harvestmen (Arachnida, Opiliones) of Canada.

Derrick Kanashiro, MJ Clapperton, V. Behan-Pelletier. Brachychthoniidae from western Canadian Grasslands; a new examination of the genus *Liochthonius*.

Michael Kasumovic, MCB Andrade. Is bigger better?: Examining male competition in context.

C Arrieta, B Leskiw, **Reuben Kaufman**. An antimicrobial substance in the egg wax of the tick, *Amblyomma hebraeum* (Acari: Ixodidae), protects the eggs from soil microflora.

Wayne Knee, H Proctor. Blood and tissue feeding parasitic mites on Albertan birds.

David Langor, JEH Hammond, GR Pohl. A coarse filter approach to conserving arthropod biodiversity in Canadian forests.

Zoë Lindo. Islands in the sky: oribatid mite communities in suspended soils of western redcedar as model systems of island biogeography and metacommunity dynamics.

Zoë Lindo, NN Winchester. Canopy oribatid mite communities in ancient western red cedar.

Laurie Marczak, JS Richardson. Effects of a variable food resource on the survival, growth rate and fitness of a riparian spider.

Alec McClay. Field evaluation of a gall mite, *Cecidophyes rouholahi* Craemer (Acari: Eriophyidae), as a biological control agent for a cropland weed, false cleavers, *Galium spurium* L. (Rubiaceae).

Pierre Paquin, M Hedin. Does bad taxonomy serve conservation purposes? The case of the *Cicurina cueva* complex (Araneae: Dictynidae) in the vicinity of Austin (Travis Co.) Texas.

Heather Proctor, S Kembel. Do feather mites choose hosts based on host body size?

David Raworth. Timing emergence of two-spotted spider mites, *Tetranychus urticae*.

Tara Sackett, C Buddle, C Vincent. Characteristic communities, hungry hunters, and unknown immatures: studying spider assemblages in apple orchards.

Maxence Salomon, S Vibert, BD Roitberg. The dynamics of coexistence of three temperate species of web-building spiders in British Columbia.

Geoff Scudder. Recovery of the arthropod fauna in an Antelope-brush community following destruction by fire.

David P. Shorthouse. Constructing inexpensive databases for remote contributions: tools for biodiversity, systematics, and collaborative efforts.

David Shorthouse. The Canadian Arachnologist On-line Spider Database.

Neville Winchester. Project IBISCA - Stratification and beta diversity of arthropods in a Panamanian rainforest.

Many thanks to Robb for keeping us updated on what arachnologists in the Great White North are accomplishing.



AMERICAN ARACHNOLOGICAL SOCIETY 2007

ANNUAL MEETING | SUSQUEHANNA UNIVERSITY

2007 A.A.S. Annual Meeting
Susquehanna University

Selinsgrove, Pennsylvania

Friday, 13 July – Tuesday, 17 July

Hosted by Dr. Matt Persons

This year's AAS annual meeting drifts northward but remains in the Mid-Atlantic Region—this time Amish Country. The site of this year's meeting is Susquehanna University in Central Pennsylvania near the shores of the Susquehanna River. SU is a private liberal arts college founded in 1858 with an enrollment of approximately 1900 students. Selinsgrove is in the heart of Pennsylvania: 50 miles north of Harrisburg; 90 minutes from the Poconos; about a three-hour drive from Philadelphia, Washington, D.C., and New York City; and about a four-hour drive from Pittsburgh. Visit the Susquehanna University website (www.susqu.edu) for maps and additional information.

On campus housing will be available in modern air-conditioned facilities. (\$30/night single, \$45/night double, and a limited number of triples at \$60/night; \$9 linen service) Several local bed & breakfast and hotel options will also be available. S.U. will offer meals in our newly renovated dining hall.

Field Trips: A collecting trip is planned for July 17th to the Snyder-Middleswarth Tall Timbers Natural Areas National Natural Landmark. This is a 250 acre old-growth Hemlock forest and is surrounded by the 5,900 acre Bald Eagle State Park and Forest. This area is geologically unique in that it is where the Allegheny plateau meets the ridge and valleys of the south (and near one of the original collecting sites for the first fossil tetrapod). Additional side trips are possible for the less collecting-minded including Knoebel's Family Amusement Park (16 miles away) and Centralia, PA, (34 miles away), home of a mine fire that has been

burning continuously for 40 years.

Air Travel: Harrisburg International Airport is 44 miles away and receives direct flights from most major airports. Williamsport regional airport is closer (29 miles) but has limited service through US Airways.

Anyone interested in organizing particular symposia for the meeting are encouraged to contact the host.

Preliminary Schedule:

Friday, July 13th: Registration and informal BBQ social

Saturday, July 14th: Talks; Poster Session; Casual Arachnid Evening

Sunday, July 15th: Talks; Informal evening (Sunset canoes and kayaks on the Susquehanna River)

Monday, July 16th: Talks; Business Meeting; Banquet- Student Awards, Auction

Tuesday, July 17th: Field Trips; (Bald Eagle State Forest: Snyder-Middleswarth Natural Area); Old-growth Hemlock Forest)

Detailed information, registration, and abstract submission will be available on the AAS website soon. (Keep checking!) The impending Spring Newsletter also will have information, registration, and abstract submission forms.

Deadlines: Registration deadline is 10 June, 2007, and abstract submission ends on 7 June.

Local Host Contact Information: Matt Persons, 514 University Avenue, Biology Department, Susquehanna University (570) 372-4526 persons@susqu.edu

Arachno-Auction !

As you look around your office, home, trailer, RV, tent, hammock, or spider-hole, please be thinking of what things might go to this year's annual AAS Auction. There will be a silent auction before the AAS Annual Banquet, then an action-packed live auction starts after the Banquet where sated participants vie for obscure, sometimes priceless, but always unique treasures from the world of arachnology. Most anything is fair-game for the auctions (books, reprints, artwork, t-shirts, undergarments, curios, hats, jewelry, movies, etc.). Please contact the meeting's host, Matt persons, about possibly shipping your mountains of auction materials ahead of time. All proceeds go to support the AAS Student Research Fund.

American Arachnology

The Newsletter of the American Arachnological Society

SUPPLEMENT to Number 74 issued March 2007

AMERICAN ARACHNOLOGICAL SOCIETY WEBSITE

[HTTP://WWW.AMERICANARACHNOLOGY.ORG](http://www.americanarachnology.org)

Ken Prestwich has developed our website where one may find membership information, **Annual Meeting Info & 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

Here are some website addresses for arachnological information:

International Society of Arachnology—[HTTP://WWW.ARACHNOLOGY.ORG](http://www.arachnology.org)

JOURNAL OF ARACHNOLOGY ELECTRONIC INDEX

The electronic index for the Journal of Arachnology is available at: <http://vassun.vassar.edu/~celt/suter/spiderform.html>

Note that the main search keywords are: **SCORPION, SPIDER, HARVESTMAN, MITE**. Any word or taxon that is in a title may be found with a search of the Index. Thanks to Bob Suter: SUTER@VASSAR.EDU [HTTP://FACULTY.VASSAR.EDU/~SUTER/SUTER.HTML](http://FACULTY.VASSAR.EDU/~SUTER/SUTER.HTML)

MORE SPONSORS NEEDED

We have recently initiated a program whereby AAS members can sponsor members from developing nations by paying their membership fees. We have matched up 7 sponsors and new members, but we currently have a waiting list of 6 deserving people who are hoping to find a sponsor. You may choose to sponsor at the full or student level. The commitment is only for a single year. It's also tax deductible. Please contact Beth Jakob (ejakob@psych.umass.edu) or Jeff Schultz (jshultz@umd.edu) if you wish to become a sponsor.

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. Deadline for receipt of material for Volume 75 is 15 April, 2007. 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).

From Michael Jacobi:

ArachnoCon 2007 featuring ArachnoExpo

On behalf of promoters Debby and Scott Scher of Arachnopets/Arachnoboards, I am pleased to announce that ArachnoExpo 2007 will take place July 21 as part of ArachnoCon weekend. This is the open-to-the-public sales exhibition segment of our popular event. Last year, over 550 people visited ArachnoExpo, in addition to the 150 or so that were registered ArachnoCon attendees. Most of the nation's top arachnid breeders and dealers were joined by vendors of other related merchandise, and were exposed to a great audience that was drawn to the event by national and local advertising, as well as substantial media interest. This year we plan to surpass even the stellar numbers of our premiere ArachnoExpo.

We would like to invite you to be part of ArachnoExpo. This is a great opportunity to expose your business or hobby venture to not only a large number of serious arachnoculturists, but also to the public at large. There is no other place in North America where you can market your wares or promote your project to an eager audience such as ours. This is an arachnid only convention, not a reptile show, and no other arachnid event brings 700+ people through the door. Last year's vendors were overwhelmingly positive about their sales and opportunity to advertise. *Non-profit organizations are invited to have booth space at no charge.*