

AMERICAN ARACHNOLOGY

The Newsletter of the American Arachnological Society

NUMBER 58

March 1999

What's Inside

1998 CIDA / AAS Meeting Report	1
Oral Presentation Titles & Authors	2
Poster Presentation Titles & Authors	9
1998 Student Paper Awards	13
1999 A.A.S. Meeting, Trinidad	14
1998 A.A.S. Election Results	14
A.A.S. Research Fund & Awards	14
1998 CIDA / AAS Group Picture	15
European Colloquium of Arachnology ...	16

--Dates & Deadlines--

- A.A.S. Research Fund 31 October (Pg. 14)
- 1999 Univ. of West Indies, Trinidad ; 27 June - 2 July
- 2000 University of Kentucky, Lexington, KY USA
- 2001 Keene, New Hampshire USA
- 2002 Riverside, California USA

The 14th CIDA Congress and 22nd AAS Meeting

The Fourteenth International Congress of Arachnology and the 22nd meeting of the American Arachnological Society were held jointly from 27 June to 3 July at the Field Museum of Natural History in Chicago, Illinois, USA. It was most ably hosted by Petra Sierwald and a large cast of hard-working folks. This Congress was a massive undertaking, but it was conceived, coordinated, and conducted in a grand and gracious style. All attending would agree that Petra, her staff, and other supporting arachnologists deserve our gratitude and heartfelt thanks for a wonderful time and a stimulating meeting that will be long remembered.

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 B. Cady, Dept. Zoology, Miami Univ.-Middletown, 4200 E. Univ. Blvd., Middletown, Ohio, 45042, USA, (513/727-3258, FAX: 513/727-3223; E-mail: CADYAB@MUOHIO.EDU). Deadline for receipt of material for the Fall issue (Vol. 60) is 15 September, 1999. All correspondence concerning changes of address and information on membership in the American Arachnological Society should be addressed to the Membership Secretary, Norman I. Platnick, American Museum of Natural History, Central Park West at 79th St., New York, N.Y., 10024 U.S.A., (FAX: 212/769-5277). Members of the Society also receive the JOURNAL OF ARACHNOLOGY, published triannually.

This probably was the largest gathering of arachnologists ever seen on our planet. There were 315 registrants from 33 countries and five continents. Two symposia were held which will be hallmarks for years to come. One on Spiders in Agroecosystems had 16 papers presented, and the other was about Higher Level Phylogenetics of Spiders, with 9 talks and a roundtable discussion. There were 122 other talks, three of which were plenary lectures. Eighty-three posters were presented during the meeting.

Many social events were planned throughout the meeting, timed to give participants a chance to digest what they had been hearing and seeing about arachnids, and also some of the wonderful diversity of foods offered by Chicago. These began with the opening reception, where hungry and thirsty arachnologists sent the servers into overdrive while renewing acquaintances. The next evening offered a cruise on the Chicago river, where an enthusiastic tour guide related the rich history of Chicago and it's unique architecture while slowly moving through the heart of the city.

Monday evening provided a buffet and an informal poster reception where one could chat with poster presenters while enjoying the tasty Philippine fare. This was followed by the traditional auction of arachnological paraphernalia. This has been named the Vince Roth Memorial Auction for one of it's founders and advocates. It was called by one of the favorite auctioneers, George Uetz. Many rare articles were offered by arachnologists from across the globe.

Three different field trips were offered to cover a variety of natural areas found at the southern tip of Lake Michigan. One went to the Richardson Wildlife Foundation area where prairies, wetlands, and sand habitats were traversed. Another trip went to the Palos Hills and Sag Valley, areas of native woodlands and managed prairies. The third excursion took participants to Ryerson Woods, another large native Illinois woodland within the Forest Preserve. An open house for the Museum's Insect Division and the opening of a rare arachnological book exhibit in the Museum's extensive library also occurred. Hungry field trippers were treated to another of Chicago's traditional foods, Chicago Style pizza, followed by another traditional AAS event, an informal slide and video show. This was the most extensive one yet, and had a wide diversity of offerings owing to the international nature of the Congress.

Thursday evening was the social event of the Congress, with Dr. Otto Kraus speaking about the history of CIDA and the series of Congresses. The gala banquet followed, held in the Museum's great Stanley Hall. Participants were treated to a fine dinner while listening to a chamber orchestra, then many danced to another of Chicago's trademarks, jazz and blues music. The first floor exhibits were also open, allowing folks to leisurely wander through the Museum while enjoying the music and company of other arachnologists.

The last day had the CIDA and AAS business meetings, where some important decisions were made regarding the future of these arachnological organizations. Many remaining participants enjoyed the "taste of Chicago" festival in nearby Grant Park, and those that stayed that evening were treated to two fireworks displays, one by Mother Nature, and the other, more traditional one for the 4th of July.

Podium Presentations

Adis, J., Max-Planck-Inst. for Limnology, Tropical Ecology Working Group, Postfach 165, D-24302 Plön, Germany, Cokendolpher, J., 2007 29th St., Lubbock Texas 79411, USA, Condé, B., Musée de Zoologie de l'Univ. et de la Ville de Nancy, 34, rue Sainte-Catherine, F-54000 Nancy, France, Reddell, J., Texas Memorial Museum, Univ. of Texas, Austin Texas 78705, USA, Scheller, U., Höggeboholm, Höggesled, S-53194 Järpas, Sweden, Morais, J. W. de, and Rodrigues, J. M. G., Inst. Nacional de Pesquisas da Amazônia (INPA), C.P. 478, 69,011-970 Manaus AM, Brazil

Abundance and phenology of Palpigradi and Schizomida from Central Amazonian upland forests

*Aiken, M. and Coyle, F. A., Dept. of Biology, Western Carolina Univ., Cullowhee, NC 28723

Habitat distribution, life history and behavioral observations of *Tetragnatha* spider species in the Great Smoky Mountains National Park

*Amaya, C. C., Dept. of Biology, Univ. of Texas at Arlington, Arlington, TX 76019, Klawinski, P. D., Dept. of Biology, Shippensburg Univ., Shippensburg, PA 17257, and Formanowicz, Jr., D. R., Dept. of Biology, Univ. of Texas at Arlington, Arlington, TX 16019

The effects of leg autotomy on running speed and foraging ability in two species of wolf spiders

*Anderson, J. T., Dept. of Ecology and Evolutionary Biology, Brown Univ., Providence, R.I. 02912

Pick-up lines: how male *Misumena vatia* (Clerck) find reproductive females

*Arnedo, M. A. and Ribera, C., Dept. de Biol. Animal, Univ. de Barcelona, Av. Diagonal 645, 08028 Barcelona, Spain

Radiation of the genus *Dysdera* (Araneae, Dysderidae) in the Canary Islands: a cladistic assessment

Aviles, L., Dept. of Ecology and Evolutionary Biology, Univ. of Arizona, Tucson, Az 85721, and Gelsey, G., Dept. of Ecology and Evolutionary Biology, Univ. of Arizona, Tucson, Az 85721

Natal dispersal and demography in *Anelosimus jucundus* and the transition to permanent-sociality in spiders

Baehr, B., Zoologische Staatssammlung, Münchhausenstr 21, D-81247 München, Germany

Distribution pattern of the genus *Asteron* in tropical rainforests of Eastern Australia (Araneae, Zodariidae): long root combined with recent speciation

*Balfour, R. A., Rypstra, A. L., and Marshall, S. D., Dept. of Zoology, Miami Univ., Oxford, OH 45056

The influence of intra and interspecific competition on two wolf spider species (*Pardosa milvina* and *Hogna helluo*)

*Bell, J. R., Gates, S., Haughton, A. J., Macdonald, D. W., Smith, H., Wildlife Conservation Research Unit, Dept. Zoology, Oxford Univ., South Parks Road, Oxford OX1 3PS, U.K., Wheeler, C. P., and Cullen, W. R., Dept. of Environmental and Geographical Sciences, Manchester Metro. Univ., Manchester M1 5GD, U.K.

Pseudoscorpions in field margins: effects of margin age, management and boundary habitats

*Bergthaler, G. J., Univ. of Salzburg, Inst. of Zoology, Hellbrunner Str. 34, 5020 Salzburg, Austria

A suction sampler study of arachnid densities in newly planted hedges and adjacent agricultural land

*Bilde, T. and Toft, S., Dept. of Zoology, Univ. of Aarhus, Building 135, DK-8000 Aarhus C, Denmark

Value of cereal aphids as food for the linyphiid spider *Erigone atra*

*Binford, G. B., Dept. of Ecology and Evolutionary Biology, Univ. of Arizona, Tucson

Diversification of spider venom: an analysis of interpopulational venom differences in *Tegenaria agrestis* (Agelenidae)

Bjørn, Per de Place, Entomological Dept., Zoological Mus., Univ. of Copenhagen, Universitetsparken 15, 2100 Copenhagen

Phylogeny of the East African erigonine genus *Ophrynia* (Araneae: Linyphiidae)

*Blackledge, T. A., Dept. of Entomology, Ohio State Univ., Columbus, OH 43210

Stabilimenta and predator-prey tradeoffs in *Argiope*

Blick, T., Arachnologische Gesellschaft, Heidloh 8, D-95503 Hummeltal, Germany

Aspects of succession of epigeic spiders at managed forest borders in southern Germany

*Bodner, G. S., Dept. of Ecology and Evol. Biology, Univ. of Arizona, Tucson, AZ 85721, Coddington, J. A., Dept. of Entomol., National Mus. of Nat. Hist., Smithsonian Inst., Wash., D.C. 20560, and Edwards, G. B., Florida State Collection of Arthropods, Div. of Plant Ind., P.O. Box 147100, Gainesville, FL 32614-7100

Biodiversity assessment and habitat specificity of neotropical salticids

HP Bond, J. E. and Opell, B. D., Dept. of Biology, Virginia Polytechnic Inst. and State Univ., Blacksburg, VA 24061

Phylogeny of the Rastelloidina and the monophyly of the Cyrtaucheniidae (Araneae, Mygalomorphae)

Bosselaers, Jan, Dochterland, R. novarumlaan 2, B-2340 Beerse, Belgium, and Jocqué, Rudy, Invertebrate section, Royal Museum

for Central Africa, B-3080 Tervuren, Belgium

Funny eyes, basket legs or garden legs: a huge new genus of tiny Afrotropical Liocranidae (Araneae)

Bradley, R., Dept. of Zoology, The Ohio State Univ., 1465 Mt. Vernon Ave., Marion OH 43302

A comparison of spider species diversity in the soil/litter stratum and the understory vegetation of four selected forest sites in Ohio

Brady, A. R., Dept. of Biol., Hope College, Holland, MI 49423
Sosippus revisited (Araneae: Lycosidae)

Brookhart, J. O., 7393 S. Tamarac St., Englewood, CO 80112 and **Brantley, S. L.**, Dept. of Biology, Univ. of New Mexico, Albuquerque, NM 87131

Solpugids of the Sevilleta NWR: regional influences on species composition

***Brown, Christopher A.**, Dept. of Biology, Box 19498, Univ. of Texas at Arlington, Arlington, TX 76019

Geographic and temporal patterns of variation in reproductive investment in the scorpion *Centruroides vittatus*

***Buddle, C. M.**, Dept. of Biological Science, Univ. of Alberta, Edmonton, Alberta T6G 2E9

The succession of boreal forest spiders in stands originating from clear-cuts and wildfires

Cangialosi, K. R., Dept. of Biology, Keene State College, Keene, NH 03435-2001

The relative importance of developmental status versus size in affecting the foraging mode of *Argyrodes trigonum*

***Carlson, Robin L.** and **Griswold, Charles E.**, Dept. of Entomology, Calif. Acad. of Sci., San Francisco, CA 94118

Ontogeny of the spinning organs of *Phyxelida tanganensis*

Catley, K. M., Dept. of Entomology, Amer. Mus. of Nat. Hist., Central Park West at 79th Street, New York, NY 10024

The gnaphosid genus *Encoptarthria* in Australia - work in progress

Chen, Jun., Inst. of Zoology, Chinese Acad. of Sci., Beijing 100080, P. R. China, and **Song Daxiang.**, Dept. of Bio., Hebei Normal Univ., Shijiazhuang 050016, P. R. China

Notes on zoogeographic divisions of Chinese wolf spiders (Araneae, Lycosidae)

Churchill, Tracey, Tropical Savannas Co-operative Research Centre CSIRO Wildlife and Ecology, PMB 44 Winnellie, Northern Territory, Australia 0822

Differential selection of habitat patches by an

Australian tropical lycosid

HP Coddington, J. A., Dept. of Entomology, National Museum of Natural History, NHB-105, Smithsonian Institution, Washington, D.C. 20560, and **Scharff, N.**, Zoologisk Museum, Universitetsparken 15, DK-2100 København, Denmark

Progress in araneoid systematics (Araneae, Araneoidea)

Craig, C. L., Museum of Comparative Zoology, 26 Oxford Street, Harvard Univ., Cambridge, MA 02138

The effects of diet on the amino acid composition of silks

Croucamp, W. and **Veale, R.**, Dept. of Zoology, Univ. of the Witwatersrand, Private Bag 3, WITS, 2050, South Africa

Monitoring the cytotoxic effects of spider venom in vitro

Crouch, Tanza E., Durban Natural Science Museum, P.O. Box 4085, Durban 4000, South Africa, and **Lubin, Yael D.**, Blaustein Inst. for Desert Research, Ben Gurion Univ., Sede Boqer Campus, 84990 Israel.

Mechanisms of colony expansion and contraction in the social spider *Stegodyphus mimosarum* (Araneae: Eresidae)

Davies, V. Todd. Queensland Mus., Brisbane, Australia 4101
A new spider genus from North Queensland, Australia (Araneae: Amaurobioidea: Kababininae)

***Davis, M. J.** and **Coyle, F. A.**, Dept. of Biology, Western Carolina Univ., Cullowhee, NC 28723

Habitat distribution and life history of *Araneus* spider species in the Great Smoky Mountains National Park

Deltshev, C., Inst. of Zoology, Bulgarian Academy of Sciences, bld. Tsar Osvoboditel 1, 1000-Sofia, Bulgaria

A faunistic and zoogeographical review of the spiders (Araneae) in the Balkan peninsula

Dippenaar-Schoeman, A. S., Plant Protection Research Inst., Agricultural Research Council, Private Bag X134, Pretoria, South Africa 0001 and **Joeque, R.**, Koninklijk Museum voor Midden-Afrika, B-3080, Tervuren, Belgium

Biodiversity of spiders in Africa: opportunities and challenges

Dodson, G. N., Biol. Dept., Ball State Univ., Muncie, IN 47306

Crab spider fights: the influences of leg autotomy, body size and experience

Draney, M. L., Dept. of Biology, New Mexico State Univ., P.O. Box 30001, Las Cruces, NM 88003, and **Crossley, Jr., D. A.**, School of Ecology, Univ. of Georgia, Athens, GA 30602

Relationship of habitat use to phenology among southeastern ground-dwelling Linyphiidae (Araneae)

Dunlop, J. A., Inst. für Systematische Zoologie, Museum für Naturkunde, D-10115 Berlin, Germany, and **Webster, M.**, Dept. of Earth Sciences, Univ. of Ca. in Riverside, Riverside, CA 92521

Evidence against arachnid monophyly

Eberhard, W. G., Smithsonian Tropical Research Inst. and Escuela de Biología, Universidad de Costa Rica, Ciudad Universitaria, Costa Rica, and **Huber, B. H.**, Escuela de Biología, Universidad de Costa Rica

Numb palps: possible links between embryology, lack of innervation and the evolution of male genitalia in spiders

Edwards, G. B. Curator, Arachnida & Myriapoda, Florida State Collection of Arthropods, Division of Plant Industry, P.O.Box 147 100, Gainesville, FL 32614-7100 USA

The genus *Attidops* (Araneae: Salticidae)

Edwards, R. L., Res. Assoc. USNM, Box 505, Woods Hole, MA 02543 and **Edwards, A. D.**, MGH, 15 Parkman St., WACC - 333, Boston, MA 02114

Life history notes on *Homalometa nigratarsis*

***Erez, Tamar**, Mitrani Center for Desert Ecology, Blaustein Inst. for Desert Research, Ben-Gurion Univ. of the Negev, Sede-Boqer 84990, Israel

Conflict over mating and female counter-strategies in the spider *Stegodyphus lineatus* (Eresidae)

Farley, R. D., Dept. of Biology, Univ. of California, Riverside, CA 92521

Ventral mesosomal changes in scorpion embryos

Fet, V., Dept. of Biological Sciences, Marshall Univ., Huntington, WV 25755, USA, and **Brownell, P. H.**, Dept. of Zoology, Oregon State Univ., Corvallis, OR 97730, USA

Morphological variation in the pectinal sensory organ of scorpions

Fet, V., Dept. of Biological Sci., Marshall Univ., Huntington, WV 25755, USA, **Sissom, W. D.**, Dept. of Life, Earth, & Environmental Sciences, West Texas A & M Univ., Canyon, TX 79016, USA, **Lowe, G.**, Monell Chemical Senses Center, Philadelphia, PA 19104, USA, and **Braunwalder, M. E.**, Arachnodata, Zurich, CH-8045, Switzerland

Catalogue of the scorpions of the world (1758-1997)

Gaffin, D. D. and **Turner, T. A.**, Dept. of Zoology, Univ. of Oklahoma, Norman, OK 73019

Electrophysiological properties of peg sensilla on the pectines of a buthid scorpion (*Centruroides vittatus*)

Gajdos, P., Inst. of Landscape Ecology, Bratislava, Branch Nitra, Slovak Academy of Sciences, Akademicka, POB - 23B, 949 01 Nitra, Slovak Republic, and **Toft, S.**, Dept. of Zoology, Inst. of Biological Sciences, Univ. of Aarhus, Building 135, DK- 8000

Aarhus, Denmark.

A 20 year's comparison of epigeic spider communities (Araneae) of Danish coastal heath habitats

***Garb, J. E.**, Zoology Dept., Univ. of Hawaii at Manoa, Honolulu, Hawaii 96822

Molecular insights into a radiation of Hawaiian Thomisidae

Gillespie, R. G., Center for Cons. Research & Training, Univ. of Hawaii, 3050 Maile Way, Gilmore 409, Honolulu, HI 96822

Community evolution in a lineage of Hawaiian spiders

SA **Greenstone, M. H.**, U.S.D.A. - Agricultural Research Service, Stillwater, OK 74075

Spider predation: how and why we study it

HP **Griswold, Charles E.**, Dept. of Entomology, California Acad. of Sci., Golden Gate Park, San Francisco, CA 94118, USA,

Coddington, Jonathan A., Dept. of Entomology, National Museum of Natural History, NHB-105, Smithsonian Inst., Washington, D.C. 20560, USA, **Platnick, Norman I.**, Dept. of Entomology, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024, USA, and **Forster, Raymond R.**, McMasters Road, R. D. 1, Saddle Hill, Dunedin, New Zealand.

An outline of the phylogeny of entelegyne spiders (Araneae, Araneomorphae)

PL **Harvey, M. S.**, Dept. of Terrestrial Invertebrates, Western Austral. Museum, Francis Street, Perth, W.A. 6000, Australia

The neglected cousins: what do we know about the 'minor' arachnid orders?

***Haughton, A. J.**, Crop & Environ. Res. Centre, Harper Adams College, Newport, Salop TF10 8NB UK, **Bell, J. R.**, Dept. of Environ. & Geographical Sci., Manchester Metro. Univ., Manchester, M1 5GD UK, **Boatman, N. D.**, Allerton Edu. & Research Trust, Loddington House, Leicestershire, LE7 9XE UK, and **Wilcox, A.**, Crop & Environ. Res. Centre, Harper Adams College, Newport, Salop, TF10 8NB UK

The effects of different rates of the herbicide glyphosate on spiders in arable field margins

***Hebets, E. A.**, Dept. of Ecology and Evolutionary Biology, Univ. of Arizona, Tucson, AZ 85721

Life underwater: a novel mode of respiration in the amblypygid *Phrynus marginemaculata* (Arachnida, Amblypygi)

Hedin, M. C., and **Maddison, W. P.**, Dept. of Ecology and Evolutionary Biology, Univ. of Arizona, Tucson, AZ 85721

Phylogenetic analyses of courtship-related character evolution in the salticid genus *Habronattus*

Hedin, M. C., and **Maddison, W. P.**, Dept. of Ecology and Evolutionary Biology, Univ. of Arizona, Tucson, AZ 85721

Salticid phylogeny from molecular data

Herberstein, M. E., Dept. of Zoology, Univ. of Melbourne, Parkville Victoria, 3052 Australia

The effect of light level and background color on web construction in *Argiope keyserlingi* (Araneae: Araneidae)

SA **Hodge, Margaret A.**, Dept. of Biology, The College of Wooster, Wooster OH 44491

The implications of intraguild predation for the role of spiders in biological control

HP **Hormiga, Gustavo**, Dept. of Biological Sciences, George Washington Univ., Washington, D.C. 20052, USA

Higher level phylogenetics of erigonine spiders (Araneae, Linyphiidae, Erigoninae)

Huber, B. A., Dept. of Entomology, Amer. Mus. of Nat. Hist., Central Park West at 79th Street, New York, N.Y. 10024, USA

Sexual selection in pholcid spiders: artful chelicerae and forceful genitalia

***Jäger, P.**, Inst. for Zoology, Johannes Gutenberg-Univ. of Mainz, 55099 Mainz, Germany

A new heteropodine genus from SE-Asia (Araneae: Sparassidae)

Jakob, E. M., Dept. of Entomology, Univ. of Massachusetts, Amherst, MA 01003, and **Pollack, Jeannine**, Dept. of Biol., Bowling Green State Univ., Bowling Green, OH 43522

Rearing environment affects salticid behavior

SA **Jepson, P. C.**, Depts. of Ento., and, Environ. and Molecular Toxi., Oregon State Univ., Cordley Hall, Corvallis, OR 97331

Spiders and community and agroecosystem processes: pesticidal effects

Jocqué, R., Royal Africa Museum, B-3080 Tervuren, Belgium
Female choice, a secondary effect of "mate check"? A hypothesis applied to arachnids

***Kiss, B.** and **Samu, F.**, Plant Protection Ins. of the Hungarian Acad. of Sci., P.O. Box 102 Budapest, H-1525 Hungary

Evaluation of population densities of *Pardosa agrestis* Westring (Araneae: Lycosidae) in Hungarian alfalfa fields using mark-recapture

Kissane, Kelly C., Dept. of Entomology, Univ. of Maryland, College Park, MD 20742

The effects of lab rearing on the courtship behavior of *Dolomedes triton*

Kreiter, N. A., Dept. of Biology, College of Notre Dame of Maryland, Baltimore, MD 21210, and **Wise, D. H.**, Dept. of Entomology, Univ. of Kentucky, Lexington, KY 40546-0091

Prey availability limits reproduction and influences foraging effort in *Dolomedes triton*: evidence from a field experiment

Kroeger, D. E., Dept. of Biological Sciences, Univ. of Cincinnati, Cincinnati, Ohio, 45221-0006

Sexual selection in the colonial spider *Metepeira incrassata* (Araneae, Araneidae)

Kropf, C., Natural History Museum Berne, Dept. of Invertebrates, Bernastrasse 15, CH-3005 Berne, Switzerland

Morphological population differentiation of *Acantholycosa norvegica* (Thorell, 1872) in Central Europe (Araneae: Lycosidae)

PL **Kury, A. B.**, Museu Nacional, Quinta da Boa Vista, São Cristóvão, 20.940-040, Rio de Janeiro - RJ - Brazil

***Laniatores* -100 years of study of spiny harvestmen: overview of their research in the world in the XX century**

***Ledford, J. M.**, Dept. of Entomology, Bohart Museum of Entomology, Univ. of California in Davis, Davis, CA 95616, and **Griswold, C. E.**, Dept. of Entomology, California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118

A phylogenetic analysis of the trap-door spider family Migidae (Araneae: Mygalomorphae)

HP **Lehtinen, P. T.**, Univ. of Turku, 20014 Turku, Finland
Main lines of evolution in the spider family Thomisidae

***Leighton, E. L.** and **Miller G. L.**, Dept. of Biology, Univ. of Mississippi, Oxford, MS 38677

Reproduction and the risk of predation on the web-invading spider *Argyrodus trigonum*

Lise, A. A., Curso de Pós-Graduação em Biociências, Pontifícia Universidade Católica do Rio Grande do Sul, Av. Ipiranga, 6681 Prédio 12C, Sala 244, Porto Alegre, RS, Brasil

Systematic revision of the species of *Acentroscelus* Simon, 1886 of the Neotropical Region (Araneae, Thomisidae, Thomisinae)

***Locht, A.**, **Yañez, A.** and **Vazquez, I. M.**, Laboratorio de Acarologia and **Anita Hoffmann** Facultad de Ciencias, UNAM, 04510 D.F. Mexico

***Brachypelmides*, a synonym of *Brachypelma*?**

Lourenço, W. R., Laboratoire de Zoologie (Arthropodes), Muséum National d'Histoire Naturelle, 61 rue de Buffon 75005 Paris, France, and **Cloudsley-Thompson, J. L.**, 10 Battshell Street, Islington, London N1 1TE, United Kingdom

Discovery of a sexual population of *Tityus serrulatus*, alias the *confluenciata* form within the complex *Tityus stigmurus* (Thorell) (Scorpiones, Buthidae)

Lourenço, W. R., Lab. de Zoologie (Arthropodes), Muséum National d'Histoire Naturelle, 61 rue de Buffon 75005 Paris, France, and **Cuellar, O.**, P.O. Box 17074 Salt Lake City, Utah 84117-0074, U.S.A.

A new all-female scorpion and the first probable case

of arrhenotoky in scorpions

Lubin, Y., Mitrani Center for Desert Ecol., Blaustein Inst. for Desert Research, Ben Gurion Univ., Sede Boker, Israel and
Crouch, T., Durban Natural Science Mus., Durban, South Africa

Synchronized movement during prey capture in an African social spider, *Stegodyphus dumicola* (Eresidae)

Macias-Ordóñez, Rogelio, Departamento de Ecología y Comportamiento Animal, Inst. de Ecología, A.C. Apartado Postal 63, Xalapa, Veracruz 91000, Mexico

Leg loss in the striped harvestman, *Leiobunum vittatum* (Say 1821) (Opiliones)

Main, Barbara York, Dept. of Zoology, Univ. of Western Australia, Nedlands, Western Australia 6907

Notes on the biogeography and natural history of the orbweaving spider *Carepalxis* (Araneae, Araneidae) including a gumnut mimic from southwestern Australia

SA Marshall, S. D. and Rypstra, A. L., Dept. of Zoology, Miami Univ., Oxford, OH 45056

Spider competition in structurally-simple ecosystems

Marusik, Yu. M., Crawford, R. and Eskov, K. Yu., Inst. for Biological Problems of the North, Karl Marx Pr. 24, Magadan 685000, Russia

Spiders (Araneae) of the Kurile Islands: zoogeography

*Mayntz, D. and Toft, S., Dept. of Zoology, Univ. of Aarhus, Denmark

Growth and survival of *Pardosa amentata* fed fruit flies raised on media of different nutrient composition

McClintock, Will, Dept. of Ecology, Evolution, and Marine Biology, Univ. of California, Santa Barbara, CA 93106

The function of leg-waving behavior in male *Schizocosa ocreata* courtship

Miyashita, T., Lab. of Wildlife Biology, School of Agriculture & Life Sciences, Univ. of Tokyo, Tokyo, 113-8657, Japan

Evidence for inter- and intraspecific competition in *Argyrodes* spiders

Morse, D. H., Dept. of Ecology and Evolutionary Biology, Brown Univ., Providence, RI 02912

Attack sites of newly-emerged crab spiders *Misumena vatia* (Araneae, Thomisidae) on their prey

SA Nyffeler, M., Zoological Inst., Univ. of Bern, CH-3012 Bern, Switzerland

Prey selection in the field

Ono, H., Dept. of Zoology, National Science Museum, 3-23-1 Hyakunin-cho, Shinjuku-ku, Tokyo, 169-0073 Japan

Spiders of the genus *Heptathela* (Araneae, Liphistiidae) from Vietnam, with notes on their

biology and taxonomy

Opell, B. D., Dept. of Biol., Virginia Tech, Blacksburg, VA 24061

Changes in cribellum spigot number and cribellar thread stickiness associated with the origin of orb-weaving spiders

Ovtsharenko, V. I., Dept. of Entomology, American Museum of Natural History, Central Park West at 79th Street, New York, NY 10024-5192, USA

Biodiversity of the Australian ground spiders of the family Gnaphosidae: preliminary results

*Patoleta, B. and Zabka, M., Zaklad Zoologii WSRP, 08-110 Siedlce, Poland

Salticidae (Arachnida: Araneae) of islands off Australia

*Peng, Xianjin and Yin, Changmin, Dept. of Biology, Hunan Normal Univ., Changsha, Hunan, P.R.China, 410081

Some spiders of the family Salticidae (Arachnida, Araneae) from China

*Penney, D., Dept. of Earth Sciences, Williamson Bld., Univ. of Manchester, Oxford Rd., Manchester, UK

Hypotheses for the Recent Hispaniolan spider fauna based on the Dominican Republic amber spider fauna

HP Perez-Miles, F., Seccion Entomologia, Facultad de Ciencias, Iguá s/n esq. Matajojo, 11400 Montevideo, Uruguay

A phylogenetic analysis of Theraphosinae (Araneae, Theraphosidae)

Persons, M. H., Dept. of Biological Sciences, Union College, Schenectady, NY 12308 and Uetz, G. W., Dept. of Biological Sciences, Univ. of Cincinnati, Cincinnati, OH 45221

Do conspicuous ornaments influence sexual cannibalism in wolf spiders?

Piel, W. H., Museum of Comparative Zoology, 26 Oxford Street, Cambridge MA 02138

The orb web as a force for stasis: homogeneity and convergence in the genus *Metepeira* (Araneae, Araneidae)

Pinto-da-Rocha, R., Museu de Zool., Univ. de Sao Paulo, Caixa Postal 42694, Sao Paulo, SP 04299-970. Finan. supp.: FAPESP

Cladistic analysis and systematic review of the subfamilies Caelopyginae, Progonyleptoidellinae and Sodreaninae (Opiliones: Gonyleptidae)

HP Platnick, N., Dept. of Entomology, Amer. Mus. of Natural History, Central Park West at 79th Street, New York NY 10024
No abstract submitted

Pollard, Simon, D., Canterbury Mus., Rolleston Avenue,

Christchurch 8001, New Zealand and **Jackson, Robert, R.**, Dept. of Zool., Univ. of Canterbury, Christchurch, NZ

Palp friction: sexual selection and foraging costs

***Popson, M.**, Dept. of Biol. Sciences, Bowling Green State Univ., Bowling Green, OH 43403, and **Jakob, E. M.**, Dept. of Entomology, Univ. of Massachusetts, Amherst, MA 01003

Learning in *Phidippus audax* (Salticidae)

***Powers, K. S.**, Dept. of Ecology and Evolutionary Biology, Univ. of Arizona in Tucson, AZ 85721, and **Bukowski, T. C.**, Dept. of Psychology, Tulane Univ. in New Orleans, LA 70118

Seasonal variation in prey selection of a spider-hunting wasp *Chalybion zimmermani* (Hymenoptera: Sphecidae)

***Prendini, Lorenzo**, Percy FitzPatrick Inst., Univ. of Cape Town, Rondebosch, 7701, South Africa

Phylogeny of the superfamily Scorpionoidea Peters 1861 (Chelicerata: Scorpiones)

Prószyński, Jerzy, Muzeum i Instytut Zoologii PAN, ul. Wilcza 64, 00-679 Warszawa, Poland

Presentation of the "Salticidae: Diagnostic Drawings Library" project (Internet <http://spiders.arizona.edu/diagnost/title-pg.htm> and computer disk)

HP Ramírez, M. J., Lab. of Arthropods, Dept. of Biol., FCEyN, Univer. de Buenos Aires, Pabellón II Ciudad Universitaria (1428) Buenos Aires, Argentina, and Museo Argentino de Cien. Naturales, Av. Angel Gallardo 470 (1405)

Respiratory system morphology and the phylogeny of haplogyne spiders (Araneae, Araneomorphae)

Raven, Robert J., Queensland Museum, PO Box 3300, South Brisbane, 4101, Q. Australia

Revision of the Australian genera of the Miturgidae with a preview of their relationships

Rayor, L. S., Dept. of Entomology, Cornell Univ., Ithaca, NY 14853, and **Uetz, G. W.**, Dept. of Biological Sci., Univ. of Cincinnati, OH 45221

Age-related preemptive web-building as an adaptive spacing strategy in the colonial spider *Metepeira incrassata* (Araneidae)

Relys, V., Dept. of Zoology, Vilnius Univ., Ciurlionio str. 21/27, Vilnius, LT - 2009, Lithuania

Alpine endemic species in the epigeic spider communities in the Eastern Alps

Ribera, C. and Arnedo, M. A., Dept. de Biol. Animal, Univer. de Barcelona, Av. Diagonal, 645, 08028 Barcelona, Spain

The dark side of an insular specific radiation: the troglomorphic *Dysdera* (Arachnida, Dysderidae) species from the Canary Islands

Richman, D. B., Dept. of Entomology, Plant Path. and Weed

Science, New Mexico State Univ., Las Cruces, NM 88003

Flea beetle mimicry in jumping spiders - a review

SA Riechert, S. E., Dept. of Ecology & Evolutionary Biology, Univ. of Tennessee, Knoxville TN 37996-1610

The hows and whys of successful use of spiders in biological control programs

Riecken, U., Federal Agency for Nature Conservation, Mallwitzstraße 1 - 3, D-53177 Bonn, Germany

Effects of short-term sampling on ecological characterization and evaluation of epigeic spider communities and their habitats for site assessment studies

***Rivera, M.**, Zool. Dept., Univ. of Hawaii, Honolulu, HI 96822

Morphological and molecular diversity in Hawaiian *Argyrodus* (Theridiidae)

SA Rypstra, Ann L., Dept. of Zoology, Miami Univ., 1601 Peck Blvd. Hamilton, Ohio 45011 USA

Architectural modifications of agricultural habitats and their impact on the spider inhabitants

SA Samu, F., Dept. of Zool., Research Inst. for Plant Protection, Hungarian Acad. of Sci., Budapest, P.O.B. 102, H-1525, Hungary, **Sunderland, K. D.**, Horticulture Res. Internat., Wellesbourne, Warwick CV35 9EF, U.K., and **Szinétár, Cs.**, Berzsényi Coll., 4 Károlyi Gáspár Sqr., Szombathely, H-9700 Hungary

Scale-dependent distribution patterns of spiders in agricultural systems: a review

Schmidt, G., Von-Kleist-Weg 4, D-21407 Deutsch Everm, Germany

A theraphosid spider from the island of Negros (Philippines)

Schmidt, Justin O., Southwestern Biological Inst., 1961 W. Brichta Dr., Tucson, AZ 85745, USA

Courtship, female choice and male investment in the vinegaroon, *Mastigoproctus giganteus*

Schmidt, Justin O., and **Schmidt, Li S.**, Southwestern Biological Inst., 1961 W. Brichta Dr., Tucson, AZ 85745, USA

Ecology and population biology of the vinegaroon, *Mastigoproctus giganteus*

Schütt, Karin, Mus. fuer Naturkunde, Inst. fuer Systemat. Zool., Invalidenstr. 43, D-10115 Berlin, Germany

The triad - an apomorphic character of the Araneoidea?

Selden, Paul A., Dept. of Earth Sciences, Univ. of Manchester, Manchester M13 9PL, UK, and **Shear, William A.**, Dept. of Biology, Hampden-Sydney College, Hampden-Sydney, VA 23943

***Attercopus*: new data on the oldest spider, and the origin of spinnerets in the Araneae**

Shultz, J. W., Dept. of Entomology, Univ. of Maryland at College Park, College Park, MD 20742

Phylogeny of Opiliones (Arachnida): an assessment of the 'Cyphopalpatores' concept

HP Silva Davila, Diana, Dept. of Entomology, Ame. Mus. of Nat. Hist., Central Park West at 79th St., New York, NY 10024

A phylogenetic approach to ctenid classification (Araneae, Ctenidae)

Simon, U., Dept. of Animal Ecology and Tropical Biol., Univ. of Wuerzburg, Am Hubland, 97074 Wuerzburg, Germany.

Is the spider fauna of pine tree crowns predictable?

Sørensen, L. L., and Scharff, N., Zoologisk Mus., Universitetsparken 15, DK-2100 København, Denmark, and Coddington, J. A., Dept. of Entomology, Nat. Mus. of Natl. Hist., NHB-105, Smithsonian Instit., Wash., D.C. 20560 USA

Tropical spider diversity: comparison of canopy and ground faunas

Starr, C. R., Dept. of Life Sciences, Univ. of the West Indies, St Augustine, Trinidad & Tobago, and Daudin, J., Union Island Association for Environmental Protection, Clifton, Union Island, St Vincent & the Grenadines.

What is *Argiope argentata* doing on *Cnidioscolus urens*?

SA Sunderland, K. D., Dept. of Entomological Sci., Horticulture Res. Internat., Wellesbourne, Warwick, CV35 9EF, U.K.

Effects of spiders on pest populations: mechanisms

SA Suter, R. B., Dept. of Biology, Vassar College, Poughkeepsie, NY 12604

An aerial lottery: the physics of ballooning in a chaotic atmosphere

SA Thomas, C. F. G. and Jepson, P. C., Dept. of Biol., Univ. of Southamp., Bassett Crescent East, Southampton SO9 3TU, UK

Differential aerial dispersal of linyphiid spiders from grass and cereal fields

SA Toft, S., Dept. of Zoology, Univ. of Aarhus, Bldg. 135, DK-8000 Århus C, Denmark

Prey choice and spider fitness

SA Topping, C. J., Dept. of Landscape Ecology, NERI, Kalo, Grenåvej 14, DK-8410 Ronde, Denmark

An individual-based model for dispersive spiders in agroecosystems, with some simulations of the effects of landscape structure

Toth, Ferenc and Kiss, Jozsef, Goedoelli Univ. of Agricultural Sciences, Dept. of Plant Protection H-2103 Goedoelli, Pater K. u. 1. Hungary

Comparative analysis of the spider fauna of winter wheat fields and adjacent field margins

*Tuntibunpakul, P. and Wise, D. H., Dept. of Entomology, Univ. of Kentucky, Lexington, KY 40546-0091

The impact of spiders and carabid beetles on the abundance of insect pests and yields in vegetable gardens

SA Uetz, G. W., Dept. of Biological Sciences, Univ. of Cincinnati, Cincinnati, OH 45221-0006. Halaj, J. and Cady, A. B., Dept. of Zoology, Miami Univ., Oxford, OH 45056

Guild structure of spiders of major crops

Uetz, G. W., Persons M., Delaney, M. K., Smith, E., Orr, M., Pruden, A. J., Mendoza, R. and Kilinc, B., Dept. of Biological Sciences, Univ. of Cincinnati, Cincinnati, OH 45221-0006

Male decorations, courtship vigor and mate choice in wolf spiders

Valderrama, C., Ecology, Evol. and Organismal Biol. Dept. 310 Dinwiddie Hall, Tulane Univ., New Orleans, LA 70118

Vertical distribution of orb weaving spiders in a Colombian cloud forest

*van der Merwe, Marius, Field Museum, Dept. of Zoology, Div. of Insects, Roosevelt Rd. at Lake Shore Dr., Chicago, IL 60605, US, Dippenaar-Schoeman, A. S., Plant Protection Res. Inst., P/Bag X134, Pretoria, 0001, South Africa, and Scholtz, C. H., Dept. of Zoology and Entomology, Univ. of Pretoria, Pretoria, 0002, South Africa

A survey of ground-living spiders in indigenous forest and pine

Vetter, R. S., Dept. of Entomology, Univ. of California - Riverside, Riverside, CA 92521

Envenomation by a grass spider, *Agelenopsis aperta* (Agelenidae)

Vink, C. J., Soil, Plant & Ecological Sci. Div., Ecology & Entomology Group, PO Box 84, Lincoln Univ., New Zealand

Past, present, future: the taxonomy and systematics of the New Zealand Lycosidae (wolf spiders)

*Walker, S. E., Balfour, R. A., Marshall, S. D. and Rypstra, A. L., Dept. of Zoology, Miami Univ., Oxford OH 45056

Differences between males and females: functional response and partial prey consumption in two species of wolf spider (Araneae: Lycosidae)

PL Weygoldt, P., Albert-Ludwigs-Univ., Inst. für Biologie I (Zool.), Hauptstrasse 1, D-79104 Freiburg, Germany

Spermatophores and the evolution of female genitalia in whip spiders (Chelicerata, Amblypygi)

Wise, D. H. and Chen, B., Dept. of Entomology, Univ. of Kentucky, Lexington, KY 40546-0091

The community ecology of woodland *Schizocosa*: trophic interactions of a forest-floor wolf spider

SA Wise, D. H., Snyder, W. E., Tuntibunpakul, P., Dept. of Entomology, Univ. of Kentucky, Lexington, KY 40546 and Halaj J., Dept. of Zoology, Miami Univ., Oxford, OH 45056

Spiders in decomposition food webs of agroecosystems

Yan, Hengmei and Wang, Hongquan, Dept. of Biology, Hunan Normal Univ., Changsha, 410081, PRC China. Supported by the National Natural Science Found. of China

Contribution of biocontrolling insect pests by spiders to improve the rice-based ecosystem

***Yañez, Martha**, Cruz Del Norte No. 7, Sta. Cruz del Monte, Edo. de Mexico, CP. 53110, Mexico. **Locht, Arturo**, Belisario Dominguez No. 123, Coyoacan, CP. 04000, Mexico, and **Macias-Ordoñez, Rogelio**, Inst. de Ecología, A.C., Apartado Postal 63, Xalapa, Veracruz 91000, Mexico

Courtship and mating behaviour of *Brachypelma klaasi* Schmidt & Krause 1994 (Araneae: Theraphosidae)

Yin, Changmin and Peng, Xianjin, Dept. of Biology, Hunan Normal Univ., Changsha, Hunan Province, P.R.China 410081

Study on the Chinese spiders of the family Gnaphosidae (Arachnida: Araneae)

Ysnel, F. and Canard, A., Lab. de Zoologie et d'Ecophysiologie, UMR CNRS 6553, Univ. de Rennes I, Campus de Beaulieu, 35042 Rennes Cedex, France

Spider biodiversity in connection with an ecological classification of hedges based on the vegetation structure

***Zingerle, V.**, Inst. of Zoology and Limnology, Univ. of Innsbruck, Technikerstrasse 25, 6020 Innsbruck, Austria

Spider communities along a glaciation transect in the Italian Dolomites

***Zujko-Miller, J.**, Dept. of Biological Sci., The George Washington Univ., Wash. D.C., 20052, USA, and Dept. of Entomology, National Mus. of Natural History, NHB-105, Smithsonian Ins, Wash. D.C., 20560, USA

A cladistic revision of *Sisicottus* (Araneae, Linyphiidae, Erigoninae): systematics without monotypic genera

Poster Presentations

Ainsworth, C., Slotow, R., Biology Dept., Univ. of Natal, Private Bag X10, Dalbridge, Durban 4041, South Africa. **Crouch, T.**, Durban Natural Science Museum, P.O. Box 4085, Durban 4000, South Africa and **Lubin, Y.**, Mitrani Centre for Desert Ecology, Blaustein Inst. for Desert Research, Ben Gurion Univ., Sede Boqer, 84990 Israel

A test for behavioral tasking in prey capture by social spiders *Stegodyphus mimosarum* (Araneae: Eresidae)

Alayon, Giraldo, Museo Nacional de Hist. Nat., Apartado Postal No. 20, San Antonio de los Baños, C.P. 32500 La Habana, Cuba
Biodiversity of Cuban spiders: an analysis

***Amalin, D. M. and Pena, J. E.**, TREC-IFAS, Univ. of Florida, 18905 SW 280 St., Homestead, FL 33031

Selective toxicity of some pesticides to *Hibana velox*, a predator of citrus leafminer

***Andrade, R. and Gnaspini, P.**, Dept. de Zoologia, Inst. de Bioci., Univ. de São Paulo, Cx.P. 11461, 05422-970 São Paulo, Brazil

Study of the life history of the cave pseudoscorpion *Maxcheres* sp. (Chernetidae) in the laboratory

Anton, T. G., Division of Amphibians and Reptiles, Field Museum, Roosevelt Road at Lakeshore Drive, Chicago, IL 60605, and **Redmer, M.**, Div. of Natural Heritage, Illinois Dept. of Natural Resources, 30071 S. Rt. 53, Wilmington, IL 60481

Current distribution and status of the common striped scorpion *Centruroides vittatus* in Illinois

Baptista, R. L. C., Dept. of Entomology, National Museum of Natural History, Smithsonian Inst., Washington-DC 20560

A new group of *Pholcus* from eastern United States (Araneae: Pholcidae)

Baptista, R. L. C., Galanis, G., Coddington, J., Suman, T., and Larcher, S., Dept. of Entomology, National Museum of Natural History, Smithsonian Inst., Washington-DC 20560

Spiders of the Chesapeake Bay Region.

Barnes, J. D., Dept. of Biology, Vanderbilt Univ., Nashville, TN 37235, and **Polis, G. A.**, Dept. of Biology, Nashville, TN 37235

Increased abundance and biomass of web spiders at a lake shore: subsidies by aquatic insect imagoes

Barrion, A. T., Entomology and Plant Path. Div., Internat. Rice Res. Inst., P.O. Box 933 1099, Manila, Philippines, and **Proszynski, J.**, Zaklad Zoologii WSRP, ul. Prusa 12, 08-100 Siedlce, Poland
Revision of the antlike spider genus *Myrmerachne* in the Philippines with notes on prey composition of four species

Beals, M. L., Dept. of Ecology and Evol. Biology, Univ. of Tennessee, Knoxville, TN 37996

Niche breadth measurement in spiders: A comparison based on indices of species co-occurrence and habitat associations

***Beck, J. B. and Toft, S.**, Univ. of Aarhus, Dept. of Zoology, Building 135, Universitetsparken, DK-8000 Århus C, Denmark

Genetic variation for tolerance to consumption of aphids in *Lepthyphantes tenuis*

***Benjamin, Suresh P.**, Inst. of Zoology & Limnology, Dept. of Terrestrial Ecology and Taxonomy, Univ. of Innsbruck, Technikerstrasse 25, A-6020 Innsbruck, Austria

On a species of the rare genus *Epidius* from Sri Lanka with notes on the Thomisidae palp (Araneae: Thomisidae)

***Berendonck, B.** and **Lubin, Y.**, Mitrani Center for Desert Ecology, Jacob Blaustein Inst. for Desert Research, Ben-Gurion Univ. of the Negev, Israel

Where does he get stuck? Position of the male embolus tip in the female genitalia after copulation in *Latrodectus revivensis* (Theridiidae)

Bodasing, M., Adams, N., Biology Dept., Univ. of Natal, Private Bag X10, Dalbridge, Durban 4041, South Africa, **Crouch, T.**, Durban Natural Science Mus., P.O. Box 4085, Durban 4000, South Africa, and **Slotow, R.**, Biology Dept., Univ. of Natal, Durban, South Africa

Nest location of a social spider, *Stegodyphus mimosarum* (Araneae: Eresidae): thermal advantages during evening cooling

Bowie, Mike, H. and **Vink, Cor, J.**, Ecology & Entomology Group, Soil, Plant & Ecological Sciences Division, PO Box 84, Lincoln Univ., New Zealand

Comparison of the spider fauna in two field-boundary types in Canterbury, New Zealand

Cady, Alan B., Dept. of Zoology, Miami Univ. - Middletown, Middletown, Ohio, 45042 USA

Changes of *Argiope trifasciata* locomotor activity, web parameters, and reproduction from sub-lethal exposure to malathion in soybeans

***Camp, E. A.**, and **Gaffin, D. D.**, Dept. of Zoology, Univ. of Oklahoma in Norman. Norman, OK 73019

Escape behavior in *Paruroctonus utahensis* mediated by phototactic response

Chen, Jun, Inst. of Zool., Chinese Acad. of Science, 100080, Beijing, China, **Song, Daxiang**, Dept. of Biology, Hebei Normal Univ., 050016, Shijiazhuang, China, and **Kim, Joo-pil**, Dept. of Applied Biology, College of Life Resource Science, Dongguk Univ., 26, 3-ga, Pil-dong, Chung-gu, Seoul, 100-715, Korea.

Two new species and two new records of Chinese wolf spiders (Araneae: Lycosidae)

Coddington, J. A., Dept. of Entomology, National Museum of Natural History, NHB-105, Smithsonian Inst., Wash., D.C. 20560.

Progress in Spider Phylogeny (Arachnida: Araneae)

Cornic, Jean-François, I.N.R.A. Unité de Recherches Forestières, Méditerranéennes, Ave. Antonio Vivaldi, F-84000 Avignon, France

BAZAR: a spider database

Cutler, B., Microscopy Lab. and Dept. of Entomology, Univ. of Kansas, Lawrence KS 66045-2106, U.S.A., **Guarisco, H.**, P. O. Box 3171, Lawrence 66046, and **Mott, D. I.**, Dept. of Biol. and Physical Sci., Lincoln Land Comm. Coll., 5250 Shepherd Road, Springfield IL 62794-9256

Ontogeny of characteristic spine development in *Mimetus* (Araneae, Mimetidae)

de Armas, Luis F., Inst. de Ecología y Sistemática, Apartado Postal 8029, La Habana 10800, Cuba

The Greater Antillean scorpions (Arachnida, Scorpiones)

Edwards, R. L., Res. Assoc. USNM, Box 505, Woods Hole, MA 02543

A new species of *Disembolus* from the coastal zone of the northeastern part of the United States

***Edwards, W. R.**, Dept. of Biology, Western Carolina Univ., Cullowhee NC 28723

A comparison of the effectiveness of three ground spider sampling techniques in an old growth hemlock forest

Fet, V., Dept. of Biological Sciences, Marshall Univ., Huntington, WV 25755

Basal node in the scorpion phylogeny is confirmed by 18S ribosomal RNA sequence data

Ferrier, S., New South Wales Nat. Parks and Wildlife Service, PO Box 402, Armidale NSW 2350, Australia., **Gray, M.**, and **Cassis, G.**, Australian Mus., 6 College Street, Sydney NSW 2000, Australia

Spatial patterns of species turnover in ground dwelling spiders and insects in eastern Australia: implications for selection of forest conservation reserves

Gantenbein, B., Inst. of Zool., Div. of Population Biology, Baltzerstrasse 3, CH-3012 Berne, **Braunwalder, M. E.**, Arachnodata, Frauentalweg 97, CH-8045 Zurich, and **Scholl, A.**, Inst. of Zool., Div. of Pop. Biology, Baltzerstrasse 3, CH-3012 Berne, Switzerland

Allozyme studies on scorpions from Morocco and from the Aegean Region

Gnaspini, P., Dept. de Zoologia, Inst. de Biociencias, Univ. de São Paulo, Cx. P. 11461, 05422-970 São Paulo, Brazil

Postembryonic development of *Goniosoma* sp., with comments on the use of developmental and morphometric characteristics for the recognition of species among harvestmen (Arachnida: Opiliones: Gonyleptidae)

Gonzalez, A. P. y de Armas, L. F., Dept. de Invertebrados, Inst. de Ecología y Sistemática, A.P. 8029, C.P.10800, Habana 8, Cuba

Nueva especie del genero *Kimula* (Opiliones : Minuidae) de Republica Dominicana

Gorlov, I. P., Dept. of Biol., Fac. of Educ., Tottori Univ., Tottori, 680-8551 Japan and Inst. Cytol. and Genet., Siberian Branch of Russian Acad. of Sci., Novosibirsk, Russia, and **Tsurusaki, N.**, Dept. of Biol., Fac. of Educ., Tottori Univ., Tottori, 680-8551 Japan

Population cytogenetic analysis of a hybrid zone between two chromosome races of *Gagrellopsis*

***nodulifera* (Opiliones: Phalangiidae)**

Guarisco, H., Kansas Biological Survey, Univ. of Kansas, Lawrence, KS 66047

House spiders of Kansas

Halaj, J., Cady, A. B., Dept. of Zoology, Miami Univ., Oxford, OH 45056, and **Uetz, G. W.**, Dept. of Biological Sciences, Univ. of Cincinnati, Cincinnati, OH 45221-0006

Enhancement of spider and harvestman populations via habitat manipulations (straw refugia) in soybeans

Hall, Grace, Landcare Research, Private Bag 92170, Auckland, New Zealand

Golden orbweb spider in New Zealand

***Harland, Duane, P.**, Dept. of Zoology, Univ. of Canterbury, New Zealand

Perception of the orientation of dangerous prey by *Portia*, tropical araneophagic jumping spiders

***Harwood, J. D., Symondson, W. O. C.**, Cardiff School of Biosciences, Univ. of Wales Cardiff, P.O.Box 915, Cardiff, CF1 3TL, U.K. and **Sunderland, K. D.**, Horticulture Research International, Wellesbourne, Warwick, CV35 9EF, U.K.

The development and characterization of antisera to detect predation by spiders on non-pest food resources in cereal crops

***Hoenen, S. and Gnaspini, P.**, Dept. de Zoologia, Inst. de Biociencias, Univ. de São Paulo, Cx.P. 11461, 05422-970 São Paulo, Brazil

Activity rhythms and behavioral characterization of epigeal and cavernicolous harvestmen (Arachnida: Opiliones)

Holah, J., Dept. of Botany, Univ. of Kansas, Lawrence, KS 66045, **Smith, E. F. and Smith, D. R.**, Dept. of Entomology, Univ. of Kansas, Lawrence, KS 66045

Mitochondrial COI and COII sequences of arachnid orders and other chelicerates (or, "It seemed like a good idea at the time.")

Holmberg, R. G., Natural and Human Science, Athabasca Univ., Athabasca, AB, T9S 3A3, Canada

Harvestmen (Opiliones, Palpatores) of the prairie provinces of Canada

Kim, Joo-pil, Dept. of Applied Biology, College of Life Resource Science, Dongguk Univ., 26, 3-ga, Pil-dong, Chung-gu, Seoul, 100-715, Korea

The spider fauna of Keojae-do, Korea

Klee, G. E., Dept. of Biol. Sciences, Kent State Univ. - Stark Campus, 6000 Frank Ave., NW, Canton, OH 44708

Leaf litter and forest understory species of N. American harvestmen as scavengers and predators in

roadside, agricultural, and urbanized environments (Arachnida: Opiliones)

Koponen, S., Zoological Museum, Univ. of Turku, FIN-20014 Turku, Finland

Ground-living spiders in old taiga forests, Finland

***Kuntner, M., and Sket, B.**, Dept. of Biology, Biotechnical Faculty, Univ. of Ljubljana, P.P. 2995, SI-1001 Ljubljana, Slovenia

A comparison of the respiratory system in cave and surface species of spiders (Araneae: Dysderidae)

***Lawrence, K. L. and Wise, D. H.**, Dept. of Entomology, Univ. of Kentucky, Lexington, KY 40546

Response of spiders to enhanced input of detritus to the forest-floor food web

Logunov, D. V., Siberian Zoological Museum, Inst. for Systematics and Ecology of Animals, Frunze Street - 11, Novosibirsk 630091, Russia

A redefinition of the genus *Marpissa* C. L. Koch, 1846 (Araneae, Salticidae)

Lourenço, W. R., Lab. de Zoologie (Arthropodes), Museum National d'Histoire Naturelle, 61 rue de Buffon 75005 Paris, France, and **Goodman, S.**, Dept. of Zoology, Field Museum of Natural History, Chicago, Illinois 60605, and World Wide Fund for Nature, BP 738, Antananarivo 101, Madagascar

Diversity and endemism in Madagascan scorpions

Maupin, J. L. and Riechert, S. E., Dept. of Ecology and Evol. Biology, Univ. of Tennessee, Knoxville, TN 37996-1610

Tests for differences in superfluous killing behavior among spider populations

Mikhailov, K. G., Invertebrates, Zoological Museum, Moscow State Univ., Bolshaya Nikitskaya Street 6, Moscow 103009, Russia
Zoogeography of the spider genus *Clubiona* Latreille, 1804 (Aranei, Clubionidae) in the Palearctic

Mikhailova, E. A., Chair of Zoology, Moscow State Pedagogical Univ., Kibalchica Street 6, Bldg 5, Moscow 129278, Russia
Altitudinal and biotopic distribution of herpetobiont spiders of the central part of the Caucasus Major northern macroslope: first results

Moon, M. J., Jeong M. J., Dept. of Biological Sci., Dankook Univ., Cheonan, 330-714, Korea, and **Kang, C. S.**, Dept. of Life Sciences, Hoseo Univ., Asan 337-850, Korea

Molt-related changes of the integument wound healing responses in the wolf spider, *Pardosa astrigera*

Moon, M. J., Dept. of Biological Sci., Dankook Univ., Chonan City, 330-714 Korea, and **Tillinghast, E. K.**, Dept. of Zoology, Univ. of New Hampshire, Durham, NH 03824

Fine structural analysis of glandular epithelial changes during silk production in the barn spider, *A. cavaticus*

*Ng, M. Y., Dept. of Ecology, Evol. and Behavior, Univ. of Minnesota. St. Paul, MN 55108

Spiders and insect herbivores in wild rice agroecosystems

*Orr, M. A. and Uetz, G. W., Dept. of Biology, Univ. of Cincinnati, Cincinnati, OH 45221-0006

Mate recognition in wolf spiders: do multiple modes prevent mistakes?

*Papke, M., Schulz, S., Inst. fr Organische Chemie, Univ. Hamburg, Martin-Luther-King-Platz 6, D-20146 Hamburg, Germany, Prouvost, Olivier, and Tralalon, M., Univ. H. Poincar, Laboratoire de Biologie et Physiologie du Compartement, URA-CNRS 1293, B.P. 239, F-54506 Vandoeuvre-Les-Nancy, France

Chemical characterization of semiochemicals from the silk of *Tegenaria atrica* (Araneae, Agelenidae)

*Parizi, M., and Gaffin, D. D., Dept. of Zoology, Univ. of Oklahoma in Norman, Norman, OK 73019

Investigation of spiking frequency of chemosensitive neurons in scorpion pectines in relation to photoperiod

*Rakov S. Yu., Chair, Zoology of Invertebrates, Tomsk State Univ., Pr. Lenina 36, Tomsk, 634010, Russia

A zoogeographical account of the Salticidae in Middle Asia

*Ramírez, M. J., Lab. of Arthropods, Dept. of Biology, FCEyN, Univ. de Buenos Aires, Pabellón II Ciudad Universitaria (1428) Buenos Aires, Argentina, and Museo Argentino de Ciencias Naturales, Av. Angel Gallardo 470 (1405)

A cladistic generic revision of the spider subfamily Amaurobioidinae (Araneae, Anyphaenidae)

Reiskind, J., Dept. of Zool., Univ. of Florida, Gainesville, FL 32611

The origin of the spider fauna of peninsular Florida, a preliminary study

Relys, V., Dept. of Zoology, Vilnius Univ., Ciurlionio str. 21/27, Vilnius, LT - 2009, Lithuania

Different patterns in phenology of alpine endemic and lowland spider species in the mountains (Eastern Alps)

Robertson, Marianne W. and Musser, Amanda, Dept. of Biology, Millikin Univ., Decatur, IL 62522

Survival of *Hogna helluo* (Araneae: Lycosidae) spiders raised as scavengers

Ruzicka, V., Inst. of Entomology, Czech Academy of Sciences, Branisovska 31, CZ-370 05 Ceske, Budejovice, Czech Republic

Spiders in rocky habitats in central Bohemia

*Santos, F. H. and Gnaspini, P., Dept. de Zoologia, Inst.o de Biociencias, Univ. de São Paulo, Cx.P. 11461, 05422-970 São Paulo, Brazil

Seasonal comparative analysis of the locomotor activity of the cavernicolous harvestman *Goniosoma spelaeum* (Opiliones: Gonyleptidae)

Savary, W., 813 Haight Avenue, Alameda, CA 94501

Observations on the phylogenetic affinities of *Horribates* Muma, with a description of the male of *Horribates spinigerus* Muma (Solifugae: Eremobatidae)

*Searcy, L. E. and Rypstra, A. L., Dept. of Zoology, Miami Univ. Oxford, OH 45056

Air-born chemical communication in *Pardosa milvina* (Araneae, Lycosidae)

*Segev, O., Ben-Gurion Univ. of the Negev, Mitrani Center for Desert Ecology, Sede Boqer, 84990, Israel

Sperm competition and male mating strategies in the widow spider, *Latrodectus revivensis*

Shillington, Cara, Dept. of Zoology, Oklahoma State Univ., Stillwater, OK 74078 and McEwen, Brian, Dept. of Anatomy, Pathology and Pharmacology, Coll. of Veterinary Med., Oklahoma State Univ., Stillwater, OK 74078

Post-maturity molt in a male tarantula *Grammastola spatulata* (Araneae: Theraphosidae): a partially successful event

Smith, D. R., Dept. of Entomology, Univ. of Kansas, Lawrence, KS 66045

Genetic markers for the study of social spiders

*Snyder, W. E. and Wise, D. H., Dept. of Entomology, Univ. of Kentucky, Lexington, KY 40546

Multiple trophic cascades caused by individual and combined impacts of generalist predators

Souza, C., DIAP-C, Inst. Vital Brazil, P. O. Box 100.028, 24230-340, Niterói, RJ, Brazil, Monnerat, A. T., DBBM, Soares, M. J., DUBC, Fiocruz, P.O. Box 926, 21045-900, Rio de Janeiro, RJ, Brazil, França, C. V., and Souza, W. M., IDIAP-C, Instituto Vital Brazil, P. O. Box 100.028, 24230-340, Niterói, RJ, Brazil

An overview on black widows in Brazil

*Stocks, I. C., Dept. of Biology, Western Carolina Univ., Cullowhee NC 28723

Genitalic homologies in the agelenid genera *Agelenopsis* and *Barronopsis* and putative synapomorphies of *Barronopsis*

*Szita, E., Eotvos Lorand Univ. of Sciences, Budapest, Hungary, and Samu, F., Plant Protection Inst. of the Hungarian Acad.

of Sci. PO. Box 102, H-1525 Budapest, Hungary

Taxonomic review of the spider genus *Thanatus* (Philodromidae, Araneae) of Hungary

Tanasevitch, A. V., All-Russian Inst. on Nature Conservation, 113628 P.O. VILAR, Moscow, Russia

The linyphiid spiders of the Himalaya: composition, chorology, faunogenesis (Aranei, Linyphiidae)

Tsurusaki, N., Dept. of Biol., Fac. of Educ., Tottori Univ., Tottori, 680-8551 Japan; **Ueshima, R.**, Dept. of Biol. Sci., Grad. School of Sci., Univ. of Tokyo, Tokyo, 113-0033 Japan, and **Gorlov, I. P.**, Dept. of Biol., Fac. of Educ., Tottori Univ., Japan and Inst. Cytol. and Genet., Siberian Branch of Russian Acad. of Sci., Novosibirsk, Russia

Geographical differentiation of karyotypes in the *Nelima genufusca* group (Opiliones) and analyses of chromosomal hybrid zones in *Nelima nigricoxa*

***vander Tuuk, C.** and **Pascoe, F.**, Dept. of Natural Sciences, Univ. of St. Francis, Joliet, IL 60435

A comparative study of spider and insect metabolic rates

Volschenk, E. S., School of Environ. Biology, Curtin Univ. of Tech., GPO Box U 1987, Perth, W.A. 6845, Australia, and **Harvey, M. S.**, Dept. of Terrestrial Invertebrates, Western Australian Mus., Francis Street, Perth, W.A. 6000, Australia

Preliminary systematic studies of *Lychas*-like scorpions (Scorpiones: Buthidae) in Australia

Wagner, James D., Biology Program, Transylvania Univ., 300 North Broadway, Lexington, KY. 40508, **Toft, Soeren**, Dept. of Zoology, Univ. of Aarhus, Bldg. 135 DK-8000 Aarhus C, Denmark, **Erny, Keith**, and **Wise, David H.**, Dept. of Entomology, Univ. of Kentucky, Lexington, KY 40546

Diversity of the forest-floor spider community: the role of spatial and temporal stratification

Waldock, Julianne, M., Western Australian Mus., Dept. of Terrestrial Invertebrates, Francis St., Perth, WA 6000, Australia
No Abstract submitted.

Wang, X. P., Entomology, American Museum of Natural History, Central Park West, New York, NY 10024

A revision of the genus *Tamgrinia* (Araneae, Amaurobiidae)

Ward, M. A., Ecology Section, Inst. of Natural Resources, Massey Univ., Palmerston North, New Zealand.

Conserving New Zealand's endemic spider *Latrodectus katipo*

Weldon, D., Slotow, R., Adams, N., Biology Dept., Univ. of Natal, Private Bag X10, Dalbridge, Durban 4041, South Africa, and **Crouch, T.**, Durban Natural Science Mus., P.O. Box 4085, Durban 4000, South Africa

Thermoregulatory advantage of large nest size of social spiders *Stegodyphus* spp. (Araneae: Eresidae)

Xavier, E., Dept. of Biology, Univ. of Feira de Santana, BA, Brazil, 44.100-000, and **Rocha, P. L. B.**, Dept. of Zoology, Federal Univ. of Bahia, BA, Brazil, 40.170-110

Microhabitat use by an assemblage of cursorial arachnids in sand dunes from Brazilian semiarid Caatinga

Yan, Hengmei and **Liu, Manyuan**, Dept. of Biology, Hunan Normal Univ., Changsha, 410081, China, and **Kim, Joo-pil**, Dept. of Applied Biology, College of Life Resource Sci., Dongguk Univ., 26, 3-ga, Pil-dong, Chung-gu, Seoul, 100-715, Korea

Predation efficiency of the spider *Tetragnatha squamata* (Araneae: Tetragnathidae) on tea leafhopper *Empoasca vitis*

Yan, Hengmei, **Yin, Changmin**, **Wang, Hongquan**, **Lu, Lan** and **Tang Guo**, Dept. of Biology, Hunan Normal Univ., ChangSha 410081, China

Bionomy of the theraphosid *Selenocosmia huwena* (Araneae: Theraphosidae) from China

Zhu, Mingshing and **Song, Daxiang**, Dept. of Biology, Hebei Normal Univ., 050016, Shijiazhuang, China, and **Kim, Joo-pil**, Dept. of Applied Biology, College of Life Resource Science, Dongguk Univ., 26, 3-ga, Pil-dong, Chung-gu, Seoul, 100-715, Korea

Two species of spiders of the genus *Trachelas* (Araneae: Corinnidae) from China

***Ziv, M.** and **Lubin, Y.**, Mitrani Center for Desert Ecology, Jacob Blaustein Inst. for Desert Research, Ben-Gurion Univ. of the Negev, Israel

Ecological observations of *Cyrtophora citricola* colonies in an extreme desert habitat

Student Paper & Poster Competitions

Systematics-1st place: Miquel Arnedo - Radiation of the genus *Dysdera* in the Canary Islands: a cladistic assessment. **2nd place: Jeremy Zujiko-Miller**, A cladistic revision of *Sisicottus*: systematics without monotypic genera.

Behavior and functional morphology- 1st place: Eileen Hebets - Life underwater: a novel mode of respiration in the amblypygid *Phrynus marginemaculata*. **2nd place: Todd Blackledge** - Stabilimenta and predator-prey tradeoff in *Argiope*.

Ecology- 1st place: Gitanjali Bodner - Biodiversity assessment and habitat specificity of neotropical salticids. **2nd place: Sean Walker** - Differences between males and females: functional response and partial prey consumption in two species of wolf spider.

Posters

Ecology and Systematics- 1st place: Martin Ramirez - A cladistic revision of the spider subfamily Amaurobioidinae. **2nd place: William Snyder** - Multiple trophic cascades caused by individual and combined impacts of generalist predators.

Behavior and Physiology - 1st place: Melissa Orr - Mate recognition in wolf spiders: Do multiple modes prevent mistakes? **2nd place: Duane Harland** - Perception of the orientation of dangerous prey by *Portia*, tropical araneophagic jumping spiders.

A.A.S. Election Results

This year votes were cast for a new Director.

David Wise is our newest Director (replacing Bob Suter-thanks Bob!), and the motion to amend the By-Laws to reflect the new editorial structure was **approved** by those voting Members.

We will be electing a new President-Elect and Director this year. Be watching the mail for your ballot.

A.A.S. Research Awards and Fund

The research awards committee chaired by Deborah Smith met last fall and made recommendations about the awards. Congratulations to all!

Adrianna Smyth \$710

Dept. of Integrative Biology, Univ. of Cal. Berkeley, CA 94720

Jeremy Zujko-Miller \$710

Dept. of Biological Sciences, The George Washington Univ., Wash. DC 20052

Victor Townsend \$577

Dept. of Biology, Box 42451, Univ. of Southwestern Louisiana, Lafayette, LA 70504-2451

J. Andrew Roberts \$648

Dept. Biological Science, Univ. of Cincinnati, Cin., OH 45221-0006

The next round of proposals is due **31 October, 1999**. Qualifications and guidelines for those seeking support for arachnological research from the A.A.S. Research Fund may be found on the last page of **Volume 26 (1)** of the *Journal of Arachnology*.

A.A.S. 1999 Meeting Trinidad & Tobago

The 23rd A.A.S. Annual Meeting is being hosted by Chris Starr from Sunday, 27 June to Friday, 2 July 1999 at the University of the West Indies, St. Augustine, Trinidad & Tobago, West Indies. Chris has issued 12 bulletins so far, and excerpts from these follow. Full texts of all Bulletins will be in the next Newsletter (due out in early April), or may be obtained from Chris (Department of Zoology, University of the West Indies, St. Augustine, Trinidad & Tobago, W.I.; CSTARR@CENTRE.UWI.TT). Registration deadline is 1 June, 1999.

BULLETIN No. 1

The American Arachnological Society will meet in the tropics for the first time next year at the University of the West Indies (UWI), St. Augustine, Trinidad & Tobago. The Local Organizing Committee for the meetings is drawn from organizations representative of the national biological conservation naturalist community: Caribbean Union College Trinidad & Tobago Biological Society Trinidad & Tobago Field Naturalists' Club University of the West Indies UWI Biological Society Wildlife Section, Government of Trinidad & Tobago Zoological Society of Trinidad & Tobago. The languages of the meetings will be English and Spanish.

Spanish version is going to the Latin American arachnology network, ARACNO-L@NET.USP.BR. If you are certain not to attend the meetings, or if you receive bulletins through the Latin American network and need not receive them in English, please let us know. And if you know someone who should be added to the list, please let us know.

BULLETIN No. 2 --- Housing Accommodations

Two housing options are available for meeting participants. All prices are in US dollars. Payment can be made in US\$ or TTS (i.e. Trinidad & Tobago dollars). In some cases these or other meeting expenses can be met in other currencies, by arrangement. Most participants will probably prefer to stay in an on-campus student dormitory. The meetings take place during the summer vacation, so that there will be few other occupants at the time. The dormitory is much like familiar accommodations from past meetings. Cost per person per night: Single \$15

Double \$13 Single in double room \$20

The alternative is the Pax Guest House, on Mt St Benedict above St Augustine. Accommodation is comfortable, although not luxurious, with very friendly management and a lovely setting. Breakfast and supper are included. Shuttle transportation to the UWI campus will be arranged. Cost per person per night: Single with shared bathroom \$35, Double with shared bathroom \$25.

BULLETIN No. 3 --- Collecting Specimens (The full version of this Bulletin may be obtained from Chris Starr.)

Trinidad & Tobago are a signatory of CITES since 1984. Permits are required for entry into some conservation areas. Permits for collection and export of dead land arthropods are fairly routine, with the exception of butterflies recognized as rare. The relevant government authority is the Wildlife Section, Forestry Division, Farm Road, St Joseph, Trinidad & Tobago; tel (868) 662-5114, fax (868) 645-4288. Mrs. Nadra Gyan - Head. You are not legally required to seek a collecting permit before arriving in Trinidad next year, but it will make things easier if the Wildlife Section can handle many or most requests in advance. This can be done by e-mail, fax (C.K. Starr, 868-645-7132) or mail (to C.K. Starr). If you wish to take any live material, a somewhat more precise statement with respect to taxa, numbers and purpose is in order. What is expected of you is a fair indication of your intentions, that you will report new records and other new knowledge in a timely manner, and, where species series are long enough, that you will in time send identified synoptics for our reference.

BULLETIN No. 4 --- Introduction to the Organizing Committee (Main topics from the original Bulletin 4 are given below. The full text may be obtained from Chris Starr.)

The local Organizing Committee:

Committee coordinator - Christopher K. Starr, UWI.

The **CARIBBEAN ACADEMY OF SCIENCES (CAS)** (founded 1988).

An organizing body for science and technology in the region. Committee member Harold Ramkissoon is Professor of Mathematics at UWI, is a founder and past-president of CAS.

The **TRINIDAD & TOBAGO BIOLOGICAL SOCIETY** is a non-profit NGO formed in 1989. Committee member Carol Ramjoh (environmental consultant) is a UWI graduate student, researching the ecology and conservation of native birds.

The **TRINIDAD & TOBAGO FIELD NATURALISTS' CLUB (FNC)** was founded in 1891 (about 200 members), publishes the **LIVING WORLD** and a guide to nature trails of Trinidad & Tobago. Committee member Raymond Martinez is a retired medical entomology technologist and an amateur scorpologist.

The **UNIVERSITY OF THE WEST INDIES (UWI)** is the main tertiary-level school in and for the English-speaking Caribbean region. It has campuses in Jamaica, Barbados, and Trinidad. The Trinidad campus has about 425 teaching staff and 7100 students at the undergraduate, masters, and doctoral levels. The Department of Life Sciences has 19 teaching staff. Committee member Peter R. Bacon is department head. UWI is also represented by its public relations officer, Robert Henry.

The **UWI BIOLOGICAL SOCIETY** is the very active biological and conservation organization of UWI students. Committee members Matthew Eversley and Shoba Maharaj are undergraduate students in Life Sciences.

The Government of Trinidad & Tobago is represented through the **WILDLIFE SECTION** of the Ministry of Agriculture, Land and Marine Resources, which has responsibility for the environment. Committee member David Persaud issues collecting permits.

The **ZOOLOGICAL SOCIETY OF TRINIDAD & TOBAGO** is a public-education organization, founded in 1946. Its main function is management of the Emperor Valley Zoo in Port of Spain, in existence since 1951. Committee member Sayeed Ali is Assistant Curator of the zoo.

BULLETIN No. 5 --- Social Niceties and Personal Safety

This Bulletin gives advice on communicating with the local people, travel safety, and possible health precautions.

BULLETIN No. 6 --- Cultural aspects I: Demography, Music, Literature

The people of Trinidad & Tobago and their arts are outlined from their ethnic origins to Calypso and the steel drum.

BULLETIN No. 7 --- Cultural/ethnic aspects II: Food and drink What to expect, pursue, and avoid in terms of fare and beverages is given to help arachnologists enjoy their stay.

BULLETIN No. 8 --- Local habitat and biota



XIV International Congress of Arachnology and the 22nd Meeting of the American Arachnological Society. 27 June - 3 July, 1999. The Field Museum of Natural History, Chicago, Illinois, USA

You are provided a review of the weather, geography, flora, and fauna of the area.

BULLETIN No. 9 — Excursions I: Field trip to Arena Forest Reserve, 1 July.

What to expect on the day-long excursion is described.

BULLETIN No. 10 — Excursions II: Field trips in the week after the meeting

Opportunities for travel and sightseeing are outlined.

BULLETIN No. 11 — Excursions III: One-day excursions for accompanying persons during the meeting

Those accompanying arachnologists will be interested in this information.

BULLETIN No. 12 — Registration and call for papers

Chris requests that e-mail be used if possible to transmit this information, but FAX and post are also available.

CSTARR@CENTRE.UWI.TT (not case-sensitive); FAX: C.K. Starr, (868) 645-7132; Post: C.K. Starr, Dept. of Life Sciences, University of the West Indies, St Augustine, Trinidad & Tobago.

Linda Rayer writes:

The ANIMAL BEHAVIOR SOCIETY ANNUAL MEETING will be held 26 June - 1 July 1999 at Bucknell University in Lewisburg, Pennsylvania. Plenary speakers include Gail Michener, Lynne Houck, and Steve Nowicki. Symposia include "Educating about Animal Behavior: A Broader Perspective". For further information see http://www.cisab.indiana.edu/ABS_index.html or contact local host, Michael Pereira [mpereira@bucknell.edu, (717) 524-1430].

In The Next Issue ...

- Detailed information and Registration & Presentation forms for 1999 AAS Meeting, Trinidad
- Submit items for Vol. 60 by 15 September, 1999

Join the A.A.S. !

Are you reading a borrowed copy of *American Arachnology*? Start enjoying the benefits of membership in the American Arachnological Society. Complete the following form and send with your dues, (calculated by table below), to the Membership Secretary (address below).

NAME _____

Address _____

City, State (or province), Postal code, Country _____

Indicate Membership Dues Enclosed:

Regular	\$ 30
Student	\$ 20
Institutional (USA)	\$ 80
Institutional (all other countries)	\$ 90

Snip or Photocopy & Save Time

Norman I. Platnick - Membership Secretary
 American Museum of Natural History
 Central Park West at 79th Street
 New York, New York 10024 USA

Members receive the *Journal of Arachnology* triannually, and the newsletter *American Arachnology* biannually.

