

# Acarology Bulletin

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A Newsletter of the **SYSTEMATIC AND APPLIED ACAROLOGY SOCIETY**

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## Acarology and Member News

**XI International Congress of Acarology** was successfully held in Merida, Mexico during 9-13 September 2002. Over 250 acarologists attended the Congress. The country to host the next Congress has not been decided. Netherlands and South Africa expressed interest.

**The 2002 Acarological Society of America (ASA) annual meeting** will be held on Sunday, November 17, 2002, as part of the Entomological Society of America (ESA) in Fort Lauderdale, Florida. The ESA Meeting and Exhibition will take place at the Greater Fort Lauderdale/Broward Convention Center. We hope to see you there.

**The ASA business meeting** will be held at 4:00 pm on Sunday, November 17th, after the symposium. All ASA members in good standing are encouraged to attend and vote for new officers and discuss and vote on ASA business issues.

### SUBMITTED PAPERS

The 2002 ASA Informal Conference will be held on Sunday morning, November 17, from 8:00 am to 12:00 pm.

#### Moderator

**C. C. Childers**. Citrus Research and Education Center, 700 Experiment Station Road, Lake Alfred, FL

**Mite bothridial setae structure and function.**

**R. Ochoa**, Systematic Entomology

Laboratory, USDA-ARS, 10300 Baltimore Avenue, Building 005, Room 137, BARC-WEST, Beltsville, MD,

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**E. Herman**, Soybean Genomics & Improvement Laboratory, BARC WEST, USDA-ARS-Soybean Genomics, Beltsville, MD, and

**E. Kane**, Department of Entomology, University of Maryland, Plant Sciences Building, College Park, MD.

**Conservation biological control of mites in Washington hops.**

**D. G. James, T. Price, and L.**

**Wright**. Washington State University, Department of Entomology, Irrigated Agriculture Research and Extension Center, 24106 N. Bunn Road, Prosser, WA

**Mite fauna of grapes and the effect of pesticides in southcentral Washington.**

**D. A. Prischmann and D. G. James**. Washington State University, Department of Entomology, FSHN 166, Pullman, WA

**The Presence and Distribution of *Rickettsia "midichlorii"* in *Ixodes scapularis* ticks in Connecticut.**

**J. B. Robinson, G. A. Dasch and M. L. Levin.** Vector Laboratory, Viral and Rickettsial Zoonoses Branch, Division of Viral and Rickettsial Diseases, Centers for Disease Control and Prevention, 1600 Clifton Road, MS G-13, Atlanta, GA 30333

**Current bee mite research at the Carl Hayden Bee Research Laboratory.**

**D. Sammataro and G. DeGrandi-Hoffman.** USDA-ARS, Carl Hayden Bee Research Laboratory, 2000 East Allen Road, Tucson, AZ

**Mango bud mite *Eriophyes magiferae*: Dispersal and influence on plant growth.**

**J. Pena,** University of Florida, TREC, 18905 SW, 280 TH ST, Homestead, FL,  
**E. Palevsky,** Volcani Center, Institute of Plant Protection, Department of Entomology, POB 6, Bet Dagan, Israel, and

**R. Ochoa,** USDA-ARS, Systematic Entomology Laboratory, 10300 Baltimore Avenue, Building 005, Room 137, BARC-WEST, Beltsville, MD.

**Biology and field ecology of the coconut mite, new pest on Queen palms.**

**T. Ansaloni and T. M. Perring.** Department of Entomology, University of California, Riverside, CA 92521

**Genetics and reproduction of *Brevipalpus* mites.**

**J. C. V. Rodrigues, M. Gallo-Meagher and C. C. Childers.**

University of Florida, Citrus Research and Education Center, 700 Experiment Station Road, Lake Alfred, FL, (2) University of Florida, Agronomy Department, P. O. Box 110300, Gainesville, FL

**Genetic, morphological and host range characterization of the wheat curl mite *Aceria tosichella* and the dry bulb mite *Aceria tulipae*.**

**G. L. Hein,** University of Nebraska, Panhandle Research & Education Center, 4502 Ave. I, Scottsbluff, NE,

**J. W. Armine,** West Virginia University, Division of Plant/Soil Sciences, P.O. 6108, Morgantown, WV, and

**R. French,** University of Nebraska, Department of Plant Pathology, Lincoln, NE.

**The Phytoseiidae on citrus in Florida.**

**C. C. Childers,** Citrus Research and Education Center, 700 Experiment Station Road, Lake Alfred, FL, and

**H. A. Denmark,** Florida Department of Agriculture & Consumer Services, Division of Plant Industry (retired), 10930 NW 12th Place, Gainesville, FL.

**Setal polymorphism in an algophagid mite inhabitant of water-filled treeholes.**

**N. J. Fashing**, Department of Biology,  
College of William and Mary,  
Williamsburg, VA 23187

**A trichlorophenol and its implications for water conservation and pheromone production in the American dog tick, *Dermacentor variabilis*.**

**Jay A. Yoder, Jeff L. Domingus, Peter E. Hanson, Jessica L. Pizzuli and Christopher I. Sanders**, Wittenberg University, Department of Biology, Ward St. at N. Wittenberg Ave, Springfield, OH

**Ladybeetles as predators of pest and predacious mites in citrus.**

**Raul T. Villanueva**, North Carolina State University, Entomology/ Mountain Horticultural Crops Research and Extension Center, 455 Research drive, Fletcher, NC,

**J.P. Michaud**, University of Florida, Citrus Research and Education Center, 700 Experiment Station Rd, Lake Alfred, FL and

**Carl C. Childers**, University of Florida, Citrus Research and Education Center, 700 Experiment Station Road, Lake Alfred, FL

**Systematics of the Tenuipalpidae (Acari: Tetranychoida).**

**Ethan C. Kane**, University of Maryland, Department of Entomology, Plant Sciences Building, College Park, MD

**SYMPOSIUM: Molecular Systematics and Evolution of the**

## **Acari**

The 2002 ASA Symposium will be held on Sunday, November 17, from 12:45 pm until 4:00 pm.

### **Moderators**

**H. Joel Hutcheson**, Department of Bioagricultural Sciences and Pest Management, Arthropod-borne and Infectious Diseases Laboratory, Colorado State University, AIDL- Foothills Campus, Colorado State University, Fort Collins, CO 80523-1682

**Douglas E. Norris**, Bloomberg School of Public Health, The W. Harry Feinstone Department of Molecular Microbiology and Immunology, The Johns Hopkins University, 615 N. Wolfe Street Rm. E5008, Baltimore, MD 21205

### **12:45 Welcoming Remarks.**

**H. J. Hutcheson**. Department of Bioagricultural Sciences and Pest Management, Arthropod-borne and Infectious Diseases Laboratory, Colorado State University, AIDL- Foothills Campus, Colorado State University, Fort Collins, CO

### **12:50 Is Phoresy a Stepping Stone to Parasitism? Examples from Basal Mesostigmata.**

**H. Klompen**. Museum of Biological Diversity, Ohio State University, 1315 Kinnear Rd., Columbus, OH

### **1:15 Population Genetics of**

***Ixodes scapularis* using Multiple Molecular Markers.**

**D. E. Norris, A. J. West and T. R. Schwartz** Bloomberg School of Public Health, The W. Harry Feinstone Department of Molecular Microbiology and Immunology, The Johns Hopkins University, 615 N. Wolfe Street Rm. E5008, Baltimore, MD,

**1:40 Phylogenetics and Historical Ecology of the Dermanyssoidea.**

**A. P. Dowling.** 3855 Green Brier Blvd, #327A, Ann Arbor, MI 48105

**2:05 Phylogenetic relationships of ticks in the genus *Ixodes*, based on mitochondrial and nuclear protein-encoding genes.**

**Q. Q. Fang, G. Xu, J. E. Keirans and L. A. Durden.** Department of Biology, P.O. Box 8042, Georgia Southern University, Statesboro, GA

**2:30** Break.

**2:45 Amblyomminae: A Reassessment of Systematic Relationships, Based on Molecular and Morphological Data.**

**L. Beati,** Department of Epidemiology & Public Health, Yale School of Medicine, New Haven, CT, and **J. E. Keirans,** Department of Biology, P.O. Box 8042, Georgia Southern University, Statesboro, GA

**3:10 Tools and Concepts for Mite**

**Molecular Systematics.**

**M. Navajas,** INRA, 488 Rue Croix De Lavit, Montpellier, France.

**3:35 Molecular Genetic-based Phylogenies of Prostriate Ticks: A Beginning.**

**H. J. Hutcheson,** Department of Bioagricultural Sciences and Pest Management, Arthropod-borne and Infectious Diseases Laboratory, Colorado State University, AIDL- Foothills Campus, Colorado State University, Fort Collins, CO

**4:00** ASA Business Meeting.

**Acarologist needed:** Landcare Research is a Crown Research Institute dedicated to high quality research relevant to biodiversity, biosecurity and the sustainable use of natural resources. One major focus of our mite research led by Dr Zhi-Qiang Zhang is to develop user-friendly identification keys to enable New Zealand biosecurity officers to identify intercepted organisms. We seek an acarologist to assist with our project on *Rhizoglyphus* mites. You must have a post graduate degree and relevant experience in mite taxonomy, including collecting mites and preparing mites for microscopic study. Skills in preparing line drawings of mites from microslides are essential. The position is based in Auckland, commencing November or December 2002 for a period of 6 months. Applications close on Thursday, 24 October 2002. Written applications (which should contain a full

CV, application form and a covering letter describing how your skills and experience would benefit the position) should be sent to Bronwyn Wells at the address below.

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(see previous issues for more)

