

**FLORIDA ENTOMOLOGICAL SOCIETY
2005 ANNUAL MEETING PRESENTATIONS**

SUNDAY AFTERNOON, JULY 24, 2005

7:00 - 5:00

Office/Presentation Preview

Cypress

1:00 - 4:00

Registration

Registration 2

1:00 - 4:00

Exhibitors

Caloosa Foyer

6:00

Executive Committee Dinner Meeting

Tarpon Room Restaurant

MONDAY , JULY 25, 2005

7:00 - 5:00

Office/Presentation Preview

Cypress

8:00 - 4:00

Registration

Registration 2

GENERAL SESSION

Steve Lapointe, Presiding

Everglades B&C

8:00

Welcoming Remarks

8:10

Presidential Address - Surfing the Tsunami: Challenges Facing the Florida Entomological Society

Steve Lapointe

8:30

Pioneer Lecture (<http://flaentsoc.org/2005annmeetabstracts.pdf>)

W. W. Yothers: A Pioneer in Citrus Entomology.

2005 Pioneer Lecturer. **Allen G. Selhime**, USDA Research Leader (ret.) (<http://flaentsoc.org/2005annmeetabstracts.pdf>)

9:20 Break

Caloosa Foyer

9:45 Business Meeting

Everglades Room

12:00 Lunch Break

MONDAY, JULY 25, 2005

POSTER SESSION (Authors present from 2:00-3:00)

10:00 AM - 5:30 PM

Island Room

DSP 1. Semi-artificial rearing system for the pepper weevil, *Anthonomus eugenii* Cano. **Karla M. Adesso** and Heather J. McAuslane. University of Florida, Entomology & Nematology Department, P.O. Box 110620, Gainesville, FL 32611-0620

DSP 2. Genitalic identification of *Spodoptera* moths (Lepidoptera: Noctuidae) trapped in Florida with *S. litura* pheromone lures, and how to distinguish them from *S. litura* and *S. littoralis*, two exotic species. **Julieta Brambila**. USDA-APHIS-PPQ, P.O. Box 147100, Gainesville, FL 32614-7100

DSP 3. Citrus greening disease in Florida: Monitoring high risk areas through GIS and demographic census data. **Andrea B. Chavez**, Eduardo M. Varona, and Brett Miller. FDACS-DPI-CAPS, 1911 SW 34th Street, Gainesville, FL 32608

DSP 4. Effect of solasodine on feeding behavior and oviposition of *Anthonomus tenebrosus* (Coleoptera: Curculionidae), a potential biological control agent of tropical soda apple, *Solanum viarum*. **Bobbie Jo Davis**, Julio Medal, James Cuda, and Frank Slansky, Jr. UF - Entomology & Nematology Department, Bldg. 970, Natural Area Drive, Rm. 2118, P.O. Box 110620, Gainesville, FL 32611-0620

DSP 5. Defoliator pests of plantain (*Musa* AAB, sub-group plantain cv. Hartón) in western Venezuela. **Oscar Domínguez**, Raúl Ramírez, Eleodoro Inciarte, and M. Esther Burgos. Unidad Técnica Fitosanitaria, Facultad de Agronomía, La Universidad del Zulia, Maracaibo, Venezuela.

DSP 6. Development of a pheromone-based synthetic attractant for the cactus moth. **N. D. Epsky**, B. D. Dueben, S. D. Hight, J. E. Carpenter, P.E.A. Teal, and R. R. Heath. USDA/ARS, SHRS, 13601 Old Cutler Rd., Miami, FL 33158

DSP 7. An expert/information system: Weevil biological control agents of aquatic and terrestrial weeds in the United States and Canada. **M. Haseeb**, C.W. O'Brien, and R.W. Flowers. Center for Biological Control, Florida A&M University, Tallahassee, FL 32307-4100

DSP 8. From bugs to bases: Determining function, related pathways, and cellular location of gene products through EST annotation. **Laura E. Hunnicutt** and Wayne B. Hunter. USDA ARS USHRL, Subtropical Insects Research Unit, 2001 S. Rock Rd., Ft. Pierce, FL 34945

DSP 9. Reducing glassy-winged sharpshooters using insect-infecting viruses, *Homalodisca coagulata* (Say) (Hemiptera: Cicadellidae). **Wayne B. Hunter**, Ute Albrecht, and Dianne Achor. United States Horticultural Research Lab, USDA-ARS, Subtropical Insect Research Unit, Fort Pierce, FL, 34945

DSP 10. Molecular characterization of delta-9 desaturase 1 from the glassy-winged sharpshooter, *Homalodisca coagulata* (Hemiptera: Cicadellidae). **C.S. Katsar**, W.B. Hunter, P. Dang, and C. A. Cleland. Subtropical Insect Research Unit, United States Horticultural Research Lab, USDA-ARS, Fort Pierce, FL, 34945

DSP 11. Delta-9 desaturase from the *Diaprepes* root weevil. **C.S. Katsar**, W.B. Hunter, and S.L. Lapointe. Subtropical Insect Research Unit, United States Horticultural Research Lab, USDA-ARS, Fort Pierce, FL, 34945

DSP 12. Molecular analysis of capsid protein of *Homalodisca Coagulata* Virus-1. A new virus from the glassy-winged sharpshooter, *Homalodisca coagulata* (Say) (Hemiptera: Cicadellidae). **C.S. Katsar**, W.B. Hunter, P.M. Dang, and J.X. Chaparro. USDA-ARS Horticultural Research Lab, 2001 South Rock Road, Fort Pierce, FL 34982

DSP 13. A rice dwarf-like virus isolated from the salivary gland of the glassy-winged sharpshooter, the vector of Pierce's disease of grapes. **C.S. Katsar**, and W.B. Hunter. Subtropical Insect Research Unit, United States Horticultural Research Lab, USDA-ARS, Fort Pierce, FL, 34945

DSP 14. Phylogenetic analysis of delta-9 desaturases within the Hemiptera. **C.S. Katsar** and W.B. Hunter. Subtropical Insect Research Unit, United States Horticultural Research Lab, USDA-ARS, Fort Pierce, FL, 34945

DSP 15. Sharpshooter herbivory: Targeting the bulls-eye between aphid and caterpillar signature defense responses. **Jerry Mozoruk**, Laura Hunnicutt, Michael Bausher, Ronald Cave, and Wayne Hunter. USDA ARS USHRL 2001 S. Rock Road, Fort Pierce, FL 34945

DSP 16. Influence of juvenile hormones and protein on male Caribbean fruit fly (Diptera: Tephritidae) sexual success. **Rui Pereira**, John Sivinski, and Peter Teal. Center for Medical, Agricultural and Veterinary Entomology P.O. Box 14565, Gainesville, FL 32604, USA

DSP 17. The importance of color pattern in the speciation of *Heliconius heurippa* (Lepidoptera: Nymphalidae). **Christian Salcedo**. McGuire Center for Lepidoptera and Biodiversity, Florida Museum of Natural History, S.W. 34th Street and Hull Road, P.O. Box 112710, Gainesville, FL 32611-8525

DSP 18. Inherited sterility a potential tool for risk assessment of biological control agents: Effects of radiation treatment on *Cactoblastis cactorum* oviposition preference. **Colothdian D. Tate** and James E. Carpenter. USDA-ARS, CPMRU, P.O. Box 748, 2747 Davis Rd., Tifton, GA 31793-0748

DSP 19. An extracellular Cu Zn superoxide dismutase from *Lysiphlebus testaceipes*. **Allen Weathersbee** and Laura Boykin. USDA, ARS, USHRL, 2001 South Rock Road, Fort Pierce, FL 34945

DSP 20. Evaluation of traps performance for the detection of the Banana Root Borer *Cosmopolites sordidus* on plantain crops. **R. A. Franqui**, José A. Chavarría-Carvajal, and Carlos Flores-Ortega. Department of Horticulture, University of Puerto Rico-Mayagüez Campus

DSP 21. The first observed association between nematodes and carpenter bees. **Natsumi Kanzaki**. Fort Lauderdale Research and Education Center, University of Florida/IFAS, Ft. Lauderdale, FL

DSP 22. *Diachasmimorpha longicaudata* entomopoxvirus (DIEPV) DNA is present in eggs of the parasitic wasp *D. longicaudata*. **L.F. Matos** and P.O. Lawrence. University of Florida/ Entomology and Nematology Dept., Gainesville, FL 32611-0620

MONDAY MORNING, JULY 25, 2005

SYMPOSIUM: Current Status of Some Recent, Non-Endemic Pest Insects in Florida

Brian Cabrera, Organizer

Caloosa B

10:00

Introduction. **Brian Cabrera**, University of Florida, Ft. Lauderdale Research & Education Center, Davie, FL

10:05

1. Advances in management methods for lobate lac scale, *Paratachardina lobata*. **Forrest W. (Bill) Howard**. University of Florida/IFAS, Ft. Lauderdale Research & Education Center, Davie, FL.

10:25

2. *Metamasius callizona*, an immigrant bromeliad-eating weevil, and Florida's native bromeliads. **Teresa Cooper**. University of Florida/IFAS, Entomology & Nematology Department, Gainesville, FL.

10:45

3. *Cactoblastis cactorum* (Lepidoptera: Pyralidae): An update on the biology, current distribution and prospects for management of the cactus moth. **James P. Cuda**, Stephanie Bloem, James E. Carpenter, and Stephen D. Hight. University of Florida/IFAS, Entomology & Nematology Department, Gainesville, FL

11:05 **Break**

11:20

4. Updates on pink hibiscus mealybug and sweet potato whitefly, biotype 'Q'. **Lance Osborne**. University of Florida/IFAS, Mid-Florida Research & Education Center, Apopka, FL.

11:40

5. Invasive termite pest species in Florida. **Nan-Yao Su**. University of Florida/IFAS, Ft. Lauderdale Research & Education Center, Davie, FL.

12:00

6. Meet the white-footed ant. **John Warner**. University of Florida/IFAS, Ft. Lauderdale Research & Education Center, Davie, FL.

12:25

Closing comments and panel discussion: **Speakers**

12:00-1:00 Luncheon -- Graduate students with **Pioneer Lecturer, A. G. Selhime**
Everglades A

MONDAY AFTERNOON, JULY 25, 2005

SYMPOSIUM: Regulatory/Government Programs on Invasive Pests

Amy Roda, Mike Shannon, Paul Hornby, Organizers

Caloosa B

2:00

Overview. **Mike Shannon**. USDA APHIS PPQ, Gainesville, FL.

2:30

7. Current efforts to exclude invasive pests at the port of entry. **Fernando Lenis**. USDA APHIS PPQ, Miami Inspection Station Miami, FL.

3:00

8. Cooperative Agricultural Pest Survey (CAPS). **Adam Silagyi**. Division of Plant Industry, Florida Department of Agriculture and Consumer Services.

3:30 **Break**

3:45

9. Group decision process involved in developing responses to new invasive pest threats. **Brian Spears**. USDA APHIS PPQ CPHST Raleigh, NC.

4:15

10. Industries perspective and involvement with invasive pest problems. **Jim Spratt**. Florida Nursery, Growers and Landscape Association, Orlando, FL.

4:45

Panel Discussion

Waldy Klassen, University of Florida, IFAS, TREC, Homestead, FL

Connie Riherd, Florida Department of Agriculture and Consumer Services, Gainesville, FL.

Jim Spratt, Florida Nursery, Growers and Landscape Association, Orlando, FL

Don Schmitz, Florida Department of Environmental Protection, Tallahassee, FL.

Lance Osborne, University of Florida, IFAS, Apopka, FL

MONDAY AFTERNOON, JULY 25, 2005

CONCURRENT SESSION: Student Paper Competition, Doctor of Philosophy

M. Toapanta, Organizer

Caloosa A

2:00

Introduction and Instructions

2:05

11. Dispersal behavior of flower-thrips in Highbush and Rabbiteye blueberry fields. **Héctor Alejandro Arévalo** and Oscar Liburd. Department of Entomology & Nematology, University of Florida, Gainesville, FL

2:19

12. Effects of quantity and quality of competing light sources on catch efficacy of UV light traps. **Matthew D. Aubuchon**. Department of Entomology & Nematology, Building 970 Natural Area Drive / Gainesville, FL 32611

2:33

13. Termite digestive enzymes. **Joseph A. Smith**. Department of Entomology & Nematology, University of Florida

2:47

14. Mechanisms of resistance in St. Augustine grass lines to southern chinch bug, *Blissus insularis* Barber (Hemiptera: Lygaeidae). **M. Rangasamy**, H. J. McAuslane, R. H. Cherry, and R.T. Nagata. Dept. Of Entomology and Nematology, University of Florida, Gainesville FL 32608

3:01

15. An essential cue used by *Triaspis eugenii* Wharton and Lopez-Martinez (Hymenoptera: Braconidae) to locate host eggs of pepper weevil, *Anthonomus eugenii* Cano (Coleoptera: Curculionidae). **Esteban Rodriguez**, Philip A. Stansly, and David J. Schuster. University of Florida, Southwest Florida Research and Education Center, Immokalee, FL 34142.

3:15

16. Susceptibility of selected Rabbiteye blueberry varieties to cranberry tipworm (Diptera: Cecidomyiidae) attack and effectiveness of reduced-risk insecticides for control. **Craig Roubos** and Oscar Liburd. University of Florida Entomology and Nematology, Building 970 Natural Area Dr., PO Box 110620, Gainesville, FL 32611-0620

3:29

Break

3:45

17. Survival and development of neonate lepidopterous pests on resistant Romaine lettuce. **A. Sethi**, H. J. McAuslane, R. T. Nagata, and G. S. Nuessly. Dept. of Entomology & Nematology, University of Florida, Gainesville, FL

3:59

18. Identifying host-strain behavioral differences of fall armyworm in Florida (Lepidoptera: Noctuidae). **Charles J. Stuhl**, Robert L. Meagher, Jr., and Rodney N. Nagoshi. University of Florida/USDA-ARS

4:13

19. A comparison of the effects of organophosphate insecticide exposure and temperature stress on *Wolbachia* infection and life history traits in *Aedes albopictus*. **Supat Wiwatanaratnabutr** and Pattamaporn Kittayapong. Center of Excellence for Vectors and Vector-Borne Diseases, Faculty of Science, Mahidol University, RamaVI Road, Bangkok, 10400 Thailand

4:27

20. Termite consumption of building materials causes thermal damage to building materials. **Cynthia Tucker** and Philip Koehler. University of Florida, Building 970 Natural Area Drive, Gainesville, Florida 32611

4:41

21. A novel approach for testing efficacy of new pesticide formulations for control of house flies. **Ricky Vazquez** and Phil Koehler. University of Florida, Dept. Entomology & Nematology, Natural Area Drive, Gainesville, FL 32611

6:30-8:30

Reception/Mixer - Gardens Ballroom

Industry Exhibits - Caloosa Foyer

TUESDAY MORNING, JULY 26, 2005

7:00-8:00

Past Presidents' Breakfast

Tarpon House

8:00 - 4:00

Registration

Registration 2

8:00 – 4:00

Exhibitors

Caloosa Foyer

9:00-12:00

WORKSHOP: Household Invaders ID Workshop. Bill Kern and Brian Cabrera, Presenters

Everglades A

TUESDAY MORNING, JULY 26, 2005

CONCURRENT SESSION: Student Paper Competition, Master of Science

M. Toapanta, Organizer

Everglades B

8:00

Introduction and Instructions

8:05

22. Development of trapping methods for the pink hibiscus mealybug *Maconellicoccus hirsutus* (Green) (Homoptera: Pseudococcidae). **Antonio Francis**. Florida A&M University, 1434 Melvin Street, Apt. 2 Tallahassee, FL. 32301

8:19

23. Efficacy of borates in ethylene glycol against the eastern subterranean termite. **Colin D Hickey**. Department of Entomology and Nematology, University of Florida, Building 970 Natural Area Drive, Gainesville, Florida 32611

8:33

24. Developing IPM techniques for sap beetle pests of strawberries. **Crystal A. Kelts**, Oscar E. Liburd, and Baldwyn Torto. Entomology and Nematology Department. University of Florida. PO Box 110620, Gainesville, FL 32611-0620

8:47

25. Laboratory evaluation of perimeter treatments for control of the pharaoh ant, *Monomorium pharaonis* (L.). **David Melius**. University of Florida Entomology Dept. University of Florida. PO Box 110620, Gainesville, FL 32611-0620

9:01 **Break**

9:20

26. Cockroach bait aversion. **Linda McHerne**. Department of Entomology & Nematology, University of Florida

9:34

27. The effect of different attractants and arrestants on the efficacy of fly trap ability to catch the house fly, *Musca domestica* L. **Ryan Welch** and P. Koehler. Building 970 Natural Area Dr. Gainesville, FL 32611

9:48

28. Prospects for biological control of strawberry guava, *Psidium cattleianum* Sabine, in Florida. **Frank J. Wessels** and James P. Cuda. University of Florida, Entomology and Nematology Dept., Gainesville, Florida

10:02

29. Controlling twospotted spider mite (*Tetranychus urticae* Koch) in Florida with single and combination treatments of *Phytoseiulus persimilis*, *Neoseiulus californicus*, and Acramite. **Elena M. Rhodes** and Oscar E. Liburd. Entomology and Nematology Department. University of Florida, PO Box 110620, Gainesville, FL 32611-0620

10:16

30. CPVC & termiticides. **Justin S. Saunders**. Department of Entomology & Nematology, University of Florida

10:30 Break

POSTER SESSION continued

10:00 AM - 5:30 PM

Island Room

CONCURRENT SESSION Continued

Contributed Papers, General Entomology

S. Lapointe, Moderator

Everglades C

10:45 **Introduction**

10:50

31. The complete nucleotide sequence and gene organization of the mitochondrial genome of the Korean hairstreak, *Coreana raphaelis* (Lepidoptera: Lycaenidae). **Iksoo Kim**, Eun-Mee Lee, Kwang-Youl Seol, Eun-Young Yun, Jae-Sam Hwang, and Byng Rae Jin. Department of Agricultural Biology, The National Institute of Agricultural Science and Technology, Suwon 441-100, Korea

11:00

32. Mitochondrial and microsatellite data for *Anastrepha suspensa* (Caribbean fruit fly): Implications for Caribbean biogeography. **Laura M. Boykin**, Robert G. Shatters, Jr., David G. Hall, Ken Hibbard, and Ann Fritz. Subtropical Insects Research Unit, USDA-ARS-USHRL, 2001 South Rock Road, Ft. Pierce, Florida 34945

11:10

33. Sensitivity of acetylcholinesterase in a field strain of the fall armyworm, *Spodoptera frugiperda* (J.E. Smith). **S. J. Yu**. Department of Entomology & Nematology, University of Florida, Gainesville, FL 32611

12:00-2:30

TUESDAY, JULY 26, 2005

AWARDS LUNCHEON

Gardens Ballroom

TUESDAY AFTERNOON, JULY 27, 2005

SYMPOSIUM: Research in Insect Genetics

Wayne Hunter, Organizer

Caloosa B

2:30

Opening Remarks. Wayne Hunter. USDA-ARS, U. S. Horticultural Research Laboratory, Fort Pierce, FL.

2:35

34. A JcDENV-derived somatic transformation vector for insects and the role of viral enhancer sequences. **Paul Shirk**. USDA-ARS Center for Medical, Agricultural, and Veterinary Entomology, Gainesville, FL

3:05

35. Utilization of an EST library created from the red imported fire ant, *Solenopsis invicta*, for discovery of new microbial control pathogens. **Steve Valles**. USDA-ARS Center for Medical, Agricultural, and Veterinary Entomology, Gainesville, FL

3:35 Break

3:50

36. Gene discovery and transcript profiling during fruit development and leaf damage in grapefruit. **Xiomara Sinisterra-Hunter**. University of Florida, and USDA-ARS, Fort Pierce, FL

4:20

37. Long Oligo Microarray Applications in Entomology and Related Disciplines. **Phillip M. Douglass**. Agilent Technologies, Germantown, MD

4:50 General Discussion

TUESDAY AFTERNOON, JULY 26, 2005

CONCURRENT SESSION

Contributed Papers, General Entomology

R. Scheffrahn, Moderator

Everglades C

2:30 **Introduction**

2:35

38. Survey on the termite associate nematodes in south Florida. **Natsumi Kanzaki**, Rudolf H. Scheffrahn, Robin M. Giblin-Davis. Fort Lauderdale Research and Education Center, University of Florida/IFAS

2:45

39. Performance of Recruit(r) IV against North American subterranean termites (Isoptera: Rhinotermitidae) when evaluated in a quarterly monitoring program. **J. E. Eger**, T. H. Atkinson, L.-C. Lee, M. T. Messenger, P. A. Neese, E. M. Thoms, and M. P. Tolley. Dow AgroSciences, 2606 S. Dundee Blvd., Tampa, FL 33629

2:55

40. "Super-Sizing" Fumigation: Fumigation of a university chemistry research building with Vikane gas fumigant. **Ellen Thoms** and Roger Mensing. Dow AgroSciences, Gainesville, FL) and

3:05

41. Off With Their Heads! The Establishment of the Decapitating Phorid Fly. **Adrian Hunsberger** and Ruben Regalado. UF/Miami-Dade County Extension, Homestead, FL

3:15 **Break**

3:30

42. Does *Melaleuca quinquenervia* chemotype matter to the *Fergusobia quinquenerviae*/*Fergusonina turneri* complex? **R. M. Giblin-Davis**, Weimin Ye, K. A. Davies, S. J. Scheffer, G. S. Taylor, M. F. Purcell, G. Wheeler, P. Pratt, T. D. Center, and W. K. Thomas. University of Florida, 3205 College Avenue, Fort Lauderdale, FL 33314

3:40

43. Food quality and reproductive fitness of the predator *Podisus maculiventris*. **Jeffrey P. Shapiro** and Jesusa C. Legaspi. USDA, ARS, CMAVE, 1600 SW 23rd Drive, Gainesville, Florida 32608

3:50

44. Prospects for biocontrol of the Glassy-winged sharpshooter, *Homalodisca coagulata* (Say). **Christopher Tipping** and Russ Mizell III. University of Florida NFREC, 155 Research Rd, Quincy, FL 32351

4:00

45. Effectiveness of two Predatory Mites in Controlling the Twospotted Spider Mite, *Tetranychus urticae* (Acari: Tetranychidae) in West Central Florida. **S.I. Rondon**, J.F. Price, C. Nagle, and D.J. Cantliffe. Univ. of Florida, Horticultural Science Dept.

4:10

46. Incidence of *Diaphorina citri* (Homoptera: Psyllidae) and its natural enemies in Puerto Rico. **R.W.H. Pluke**, P.A. Stansly, & A. Escribano. Southwest Florida Research and Education Center, Institute of Food and Agricultural Science, University of Florida, 2686 St. Rd. 29 N., Immokalee, FL 34142

4:30-5:30

Informal meeting, Industry Affiliates of the Florida Entomological Society

Scott Ferguson presiding

Everglades C

WEDNESDAY MORNING, JULY 27, 2005

8:00 - 10:00

Registration

Registration 2

Contributed Papers, General Entomology

R. Meagher, Moderator

Everglades A

8:00 **Introduction**

8:05

47. Non-Indigenous Insect Species in Puerto Rico: A Case Study. **Rosa A. Franqui**. University of Puerto Rico-Mayagüez Campus

8:15

48. The obligate parasitic beetle, *Coccotrypes rhizophorae* causes high mortality in its host plant, *Rhizophora mangle* (Red Mangrove) and may influence canopy dominance in mangrove forests in Florida. **Donna J. Devlin**. Harbor Branch Oceanographic Institute, Ft. Pierce, Florida, USA 34946

8:25

49. Entomological Website Usage Patterns. **Richard Mankin**. USDA-ARS CMAVE, , 1700 SW 23rd Drive, Gainesville, FL 32608

8:35

50. Seasonal Activity of Pink Hibiscus Mealybug in East Central Florida Based on Pheromone Trapping of Males. **David G. Hall** and Stephen L. Lapointe. USDA-ARS, 2001 South Rock Road, Fort Pierce, FL 34945

8:45

51. Effects of Fall Armyworm Interstrain Mating in Wild Populations. **Robert L. Meagher**, Rod Nagoshi, Gregg Nuessley and David Hall. USDA-ARS-CMAVE, 1700 SW 23rd Drive, Gainesville, FL 32608

8:55

52. Phenological modeling for arthropods: Is Florida different than the rest of the U.S.? **Russell F. Mizell, III**. University of Florida, NFREC-Quincy

9:05

53. BAS 320 I: Control of Key Insect Pests in Vegetables. **Larry J. Newsom**. BASF Corp., 2511 Old Ocilla Road, Tifton, GA 31794

9:15

54. Does time of whitefly infestation affect the development of tomato irregular ripening disorder? **C. L. McKenzie** and J. P. Albano. Subtropical Insects Research Unit, United States Horticultural Research Laboratory, 2001 South Rock Road, Fort Pierce, FL 34945

9:25 Break

9:40

55. Distribution of Chilli thrips, *Scirtothrips dorsalis* Hood in pepper fields in St. Vincent and the Granadines. **D. R. Seal**, M. Ciomperlik, M. L. Richards, and W. Klassen. University of Florida-IFAS, Tropical Research and Education Center, Homestead, FL

9:50

56. Management of the Sweetpotato Weevil in Louisiana. Tara P. Smith, **Abner M. Hammond**, and Tad Hardy. Dept. of Entomology, LSU Agricultural Center, Baton Rouge, La.

10:00

57. Relationships between adult banded cucumber beetle (*Diabrotica balteata*) populations in sweet potatoes, harvest date, soil type, and larval root damage at harvest. **Richard Story**, Abner Hammond, Jeff Murray, Entomology Department, LSU, Baton Rouge, LA 70803

10:10

58. *Diaprepes*, *Phytophthora*, and hurricanes: Differential growth and survival of Hamlin orange trees budded to five rootstocks in an experimental grove. **Robin J. Stuart**, Clayton W. McCoy, and William S. Castle. Citrus Research and Education Center, IFAS, University of Florida, Lake Alfred, FL 33850

ACKNOWLEDGMENTS

The Program Committee and the Florida Entomological Society express their appreciation to the following for their support of the Eighty-Eighth Annual Meeting:

Industry Support:

Dow AgroSciences

Chemtura

BASF

A. Duda & Sons, Inc.

Dupont

Sustaining Members, Florida Entomological Society (<http://www.flaentsoc.org/susmem05.htm>)

Exhibitors

Caloosa Foyer

MICRO-OPTICS of Florida

Nikon Instruments Microscopy Division

Analytical Research Services