TENNESSEE

ENTOMOLOGICAL

SOCIETY

PROGRAM OF THE

40th ANNUAL MEETING

TWRA REGION 2 CONFERENCE ROOM (Oct. 17)
&
ED JONES AUDITORIUM (Oct. 18)

ELLINGTON AGRICULTURAL CENTER
TENNESSEE DEPARTMENT OF AGRICULTURE
NASHVILLE, TENNESSEE
Thursday, October 17, 2013

TWRA Region 2 Conference Room

12:30-1:00 p.m. Registration:

FIRST SESSION

Presiding ............... Steve Hamilton

1:00 p.m. Welcome and Opening Remarks

Mike Studer T.E.S. President
Jimmy Hopper, Assistant Commissioner, Tennessee Department of Agriculture

1:15 p.m. INVITED SPEAKER:
Graham Hickling, Director, Ctr. for Wildlife Health & Research; Assoc. Professor, Dept. of Forestry, Fisheries & Wildlife, Univ. of Tennessee, Knoxville
Title: “The eco-epidemiology of low Lyme disease risk in the southeastern United States”

2:00 p.m. BREAK

STUDENT PAPER COMPETITION

2:10 p.m. Presiding ............... Karen Vail

2:15 p.m. “Can natural enemies control the walnut twig beetle in east Tennessee?”  Katheryne Nix¹, Paris Lambdin¹, Jerome Grant¹, Mark Windham¹, Albert Mayfield² and Paul Merten². (1) Entomology & Plant Pathology, Univ. of Tennessee, Knoxville; (2) USDA Forest Service Forest Health Protection, Asheville, NC

2:30 p.m. “Olefin—A metabolite’s role in suppression of hemlock woolly adelgids on eastern hemlock.” Elizabeth P. Benton¹, R. Jesse Webster², Carla I. Coots³, Richard Cowles³, Anthony Lagalante³, and Jerome F. Grant¹; (1)Entomology & Plant Pathology, Univ. of Tennessee, Knoxville; (2) Great Smoky Mountains National Park, Gatlinburg, TN; (3) Connecticut Agricultural Experiment Station, Entomology, Windsor, CT; (4) Chemistry, Villanova Univ., Villanova, PA

2:45 p.m. “Effect of starvation on heart physiology in Anopheles gambiae.”  Haley E. Ellison¹², C. Steven Murphree², and Julian F. Hillyer¹, (1) Biological Sciences, Vanderbilt Univ., Nashville, TN; (2) Biology, Belmont Univ., Nashville, TN

3:00 p.m. “Introduced parasitoids of emerald ash borer in East Tennessee: Can these species establish in the southeastern U.S.?”  Nicholas Hooie. Paris Lambdin, Jerome Grant, Mark Windham and Greg Wiggins, Entomology & Plant Pathology, Univ. of Tennessee, Knoxville

3:15 p.m. “Comparison of trap colors for detection of emerald ash borers in a forest interior.”  Heather Slayton¹, Paris Lambdin², Jerome Grant³ and David Buckley¹ (1) Tennessee Dept. of Agriculture, Division of Forestry, Nashville; (2) Entomology & Plant Pathology, Univ. of Tennessee, Knoxville; (3) Dept. of Forestry, Wildlife & Fisheries, Univ. of Tennessee, Knoxville

3:30 p.m. BREAK
Thursday, October 17, 2013

TWRA Region 2 Conference Room

NON-STUDENT PAPERS

Presiding ......................... Steve Hamilton

3:45 p.m.  “Development of cost effective and practical nursery treatments for the Federal Imported Fire Ant Quarantine”  Jason Oliver¹, Anne-Marie Callcott², Nadeer Youssef³, Karen Vail³, Karla Addesso¹, David Ot³ and Blair Sampson⁵, (1) Nursery Research Ctr.,Tennessee State University, McMinnville; (2) USDA-APHIS-PPQ, Biloxi Stn., Biloxi, MS ; (3) Entomology & Plant Pathology, Univ. of Tennessee, Knoxville; (4) USDA-ARS, Ctr. for Medical, Agricultural & Veterinary Entomology, Gainesville, FL; (5) USDA-ARS, Thad Cochran Southern Hort. Lab, Poplarville, MS

4:00 p.m.  “Spotted wing drosophila in middle Tennessee.” Karla Addesso¹, Garrett Roper², and Jason Oliver¹ (1) Nursery Research Ctr.,Tennessee State Univ., McMinnville; (2) Tennessee Technological Univ., Cookeville

4:15 p.m.  “Aestival survival of Laricobius nigrinus (Coleoptera: Derodontidae) in the field in eastern Tennessee.” Ashley L. Galloway¹, Albert E. Mayfield III², James Parkman¹, and Jerome F. Grant¹ (1) Entomology & Plant Pathology, Univ. of Tennessee, Knoxville; (2) USDA Forest Service, Southern Research Station, Asheville, NC

4:30 p.m.  “An update on select invasive pests in Tennessee.” Frank A. Hale¹, Jerome F. Grant¹, Jason B. Oliver², and Steve Powell³ (1) Entomology & Plant Pathology, Univ. of Tennessee, Knoxville; (2) Nursery Research Ctr.,Tennessee State Univ., McMinnville; (3) Division of Regulatory Services, Tennessee Dept. of Agriculture, Nashville.

4:45 p.m.  “Thousand cankers disease: Can we crack the nut with outreach?” Jerome F. Grant¹, Frank A. Hale¹, Alan Windham², Elizabeth Long¹, Mark Windham¹, Paris Lambdin¹, and Greg Wiggins¹ (1) Entomology & Plant Pathology, Univ. of Tennessee, Knoxville; (2) Soil Plant & Pest Ctr., Nashville, TN

5:00 p.m.  Wrap-up, Steve Hamilton

5:15 p.m.  Adjourn

6:00 p.m.  Dinner (location: TBA)
Friday, October 18, 2013
Ed Jones Auditorium

NON-STUDENT PAPER COMPETITION (CONTINUED)

Presiding . . . . . . . . . . . . . . . . . . Steve Hamilton

8:00 a.m. Opening remarks, Steve Hamilton

8:15 a.m. “Race to the top: Will all Tennessee schools use IPM by 2015?” Karen Vail and Pat Barnwell, Entomology & Plant Pathology, University of Tennessee, Knoxville

8:30 a.m. “Cloudy with a chance of Sasajiscymnus tsugae: Implications for biological control of hemlock woolly adelgid.” Greg Wiggins¹, Jerome Grant¹, Rusty Rhea², Abdul Hakeem³, Pat Parkman¹, and Paris Lambdin¹ (1) Entomology & Plant Pathology, Univ. of Tennessee, Knoxville; (2) USDA Forest Service, Southern Research Station, Asheville, NC; (3) AgriLife Research and Extension Center, Texas A&M University, Lubbock, TX

8:45 a.m. “Chemical management of hemlock woolly adelgid: A decadal approach.” Carla Coots¹, Paris Lambdin¹, Jerome Grant¹, Rusty Rhea² (1) Entomology & Plant Pathology, Univ. of Tennessee, Knoxville; (2) USDA Forest Service Forest Health Protection, Asheville, NC

9:00 a.m. “Newly established biocontrol agent, Urophora quadrifasciata, and other selected herbivorous insects attacking roadside populations of spotted knapweed in middle Tennessee.” Donald L. Sudbrink, Jr. Dept. of Agriculture, Austin Peay State University, Clarksville, TN

9:15 a.m. T.E.S. Business Meeting and Awards Ceremony
Mike Studer, President
Adjourn

Viewing of “Painted Wings & Delicate Things”

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