

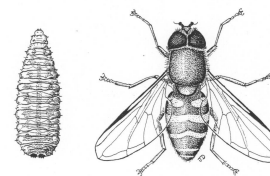
**EASTERN BRANCH**  
**ENTOMOLOGICAL SOCIETY OF AMERICA**  
**75<sup>TH</sup> ANNUAL MEETING**



***Entogrations:***  
***Discipline Integration in Entomology***

**MARCH 7 – 9, 2004**  
**OMNI HOTEL**  
**NEW HAVEN, CT**

## *Program in a Nutshell*



### SUNDAY

<b>Afternoon</b>	Registration	1:00 – 5:00	Lobby
	Local Arrangements	1:00 – 5:00	Crown
	Executive Committee	1:00 – 3:00	Goffe
	Posters	1:00 – 5:00	College
	It's a Bug's World -- Outreach	1:00 – 5:00	Chapel, George, Whitney
<b>Evening</b>	Reception and President's Welcome	5:30 – 7:00	Lobby
	Student Networking	7:00 – 9:00	Wooster
	IDEP Exotic Pest Workshop	7:00 – 9:00	George
	Student Oral Presentation Competition	7:30 – 7:54	Chapel
	The Changing Entomological Landscape	8:15 – 9:00	Chapel

### MONDAY

<b>Morning</b>	Registration	8:00 – 5:00	Lobby
	Local Arrangements	8:00 – 5:00	Crown
	Posters	8:00 – 5:00	College
	Student Symposium - From pitfall traps to GIS: Emerging tools in quantifying arthropod distribution and movement	8:00 – 11:30	Chapel
	IDEP Symposium – What now? Dealing with the ‘morning after’ an exotic pest detection	8:00 – 12:00	George
	McClure Symposium – Theoretical and practical implications of ecological research on herbivorous insects	8:30 – 11:40	Wooster
	Northeast Regional Field Crops Insect Conference	8:00 – 12:00	Whitney
<b>Noon</b>	The Cicada Skitter 5k Walk/Run	12:00 – 1:00	Meet at registration desk

## MONDAY

<b>Afternoon</b>	Symposium – Emerging vector-borne disease: Collection and detection	1:00 – 4:40	Chapel
	Symposium – Current issues in biological control	1:00 – 5:00	George
	Symposium – Biotechnology and pest management in the Northeast	1:00 – 5:00	Wooster
	Symposium – Current trends in small fruit entomology	1:00 – 5:00	Whitney
<b>Evening</b>	General business meeting	5:00 – 6:00	Chapel
	Social and cash bar	6:00 – 6:30	Lobby
	Banquet and awards	6:30 – 9:00	Ballroom A/B
	Linnaean games	9:00 – 10:30	Wooster

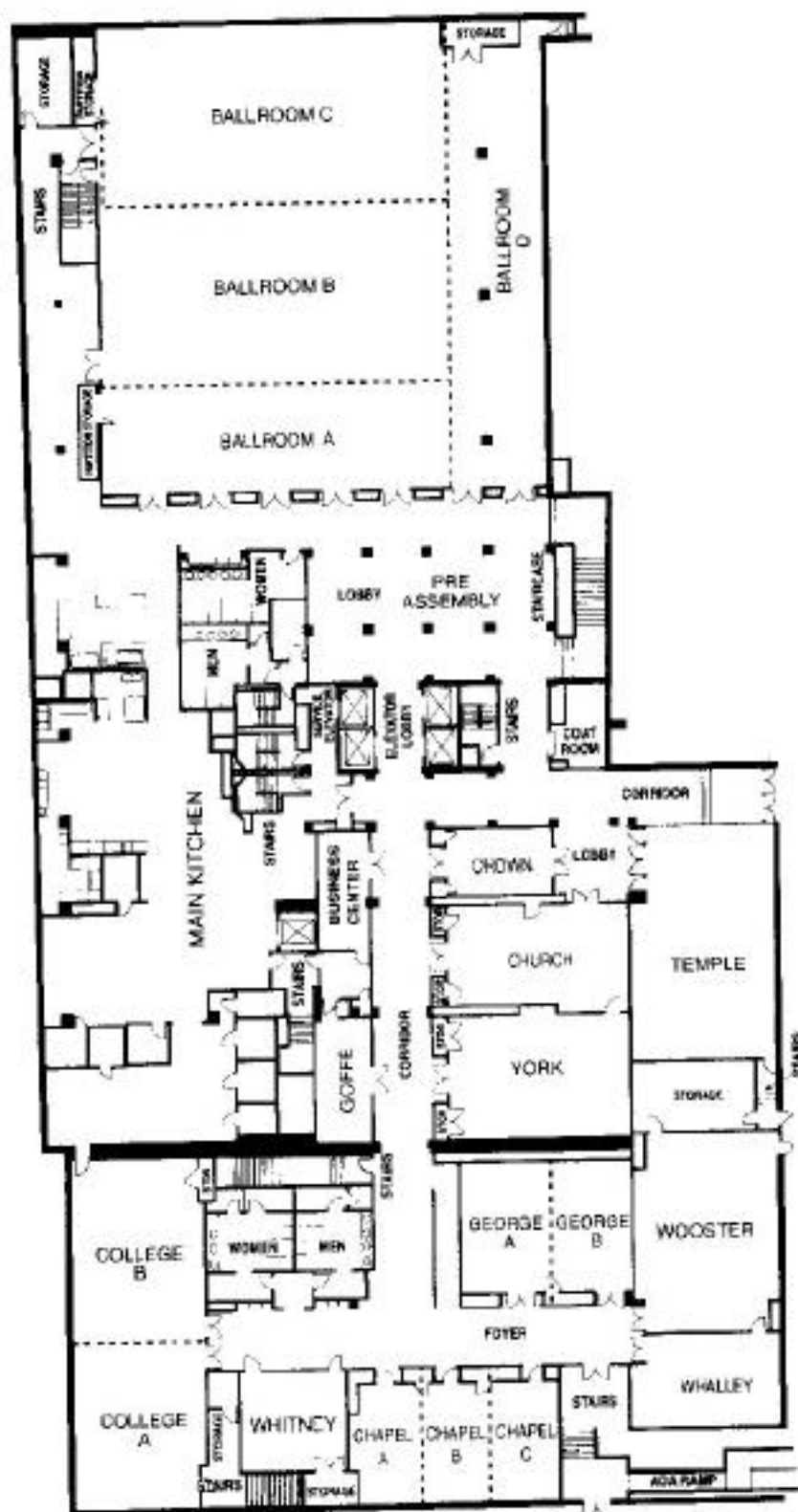
## TUESDAY

<b>Morning</b>	Registration	8:00 – 12:00	Lobby
	Local Arrangements	8:00 – 12:00	Crown
	Posters	8:00 – 12:00	College
	Symposium – Systematics of invasive arthropods in North America	8:00 – 10:40	Chapel
	Symposium – Innovative tactics for crop protection	8:00 – 12:00	George
	Submitted papers	8:00 – 10:00	Wooster
<b>Noon</b>	Session with the ESA President	12:00 – 1:00	Whitney
	Executive Committee Meeting	1:00 – 2:00	Goffe



Entomologists *never* die. They just smell that way.

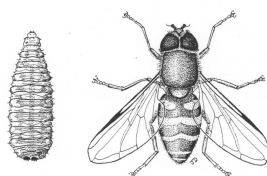
## SECOND FLOOR





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**Thank you!**

## 2004 Eastern Branch ESA Award Winners

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### ESA Distinguished Achievement Award in Teaching – Patricia Vittum



Pat Vittum grew up in the Finger Lakes region of New York state, earned a bachelor's degree in chemistry from the College of Wooster (Ohio), and moved on to Cornell, where she earned a Master's and Ph. D. in Entomology. She has been at the University of Massachusetts since 1980. She spent the first ten years in a field station (Waltham) just outside Boston, responsible for commercial floriculture and home horticulture. She was transferred to the Amherst campus in 1990, where she added teaching to her duties. She currently teaches two courses a year: Pesticides in the Environment for juniors and seniors in the Environmental Science program and Turfgrass Entomology for Stockbridge School (associate's degree) students. She won the Outstanding Teacher Award for the College of Natural Resources and the Environment in 2003. She is the senior author of the textbook, *Turfgrass Insects of the United States and Canada*. She won the Eastern Branch Urban Entomology award in 2001.

Pat's current assignment is 55% Extension, 30% Teaching, and 15% Research. her primary area of interest is the ecology and management of turfgrass insects, particularly scarab larvae and the annual bluegrass weevil (*Listronotus maculicollis*). In her spare time (!), she also serves as Pesticide Coordinator for Massachusetts.

## ESA Recognition Award in Urban Entomology – Paula Shrewsbury



Dr. Paula Shrewsbury is an Assistant Professor and Extension Specialist in Ornamental and Turf IPM in the Department of Entomology at the University of Maryland. Paula did her undergraduate studies at the University of Rhode Island where she obtained a BS in Plant Science. She received her MS in Entomology from the University of California Riverside in 1991 and her Ph.D. in Entomology from the University of Maryland in 1996. Paula was an Assistant Professor in Entomology at Rutgers University in New Jersey from 1996 –1998 where her research was in the areas of landscape community ecology and the development of biological control approaches. She was involved in numerous extension programs training green industry professionals on various aspects of IPM. In 1998 Paula took a position as an IPM Entomologist at the Smithsonian Institution in Washington, DC. Paula began her current position at the University of Maryland in 1999 where she has extension and instructional responsibilities. The major foci of Paula's extension program are: research to develop alternative pest management strategies; demonstration projects to evaluate and further the implementation of IPM; development of educational materials to facilitate training; and training activities to further the adoption of IPM practices in urban systems such as schools, ornamental nurseries and greenhouses, and turfgrass. Her research examines methods to manipulate habitats, a form of conservation biological control, to restore natural enemy communities and increase their impact on herbivore populations. Other research includes: examining the influence of "bottom up" factors (nitrogen and water stress) on the population dynamics of herbivorous insects and their natural enemies; augmentative releases of predators to suppress key insect pest populations in outdoor environments; and evaluating new products for their efficacy against key insect pests and their impact on beneficial organisms. Paula teaches an upper level undergraduate course in IPM of Insect Pests of Ornamentals and Turfgrass and team teaches an Advanced IPM course. Paula is involved in the mentoring of both undergraduate and graduate students. Paula actively serves the green industry professionals in the Northeast region. She is a co-leader of the greenhouse and ornamental nursery IPM commodity working group (GO IPM), part of the Northeast Pest Management Center, which facilitates regional collaborations among growers, extension specialists, and researchers that directly address grower needs and priorities for research and education to further the adoption of IPM. Paula currently serves the EB ESA society as chair of the nominations committee.

## Herb Streu Meritorious Service Award – Doug Pfeiffer



### President-Elect

**Douglas G. Pfeiffer:** *Current Position* – Professor, Department of Entomology, Virginia Tech, Blacksburg VA. *Education* – B. S., University of Massachusetts, M. S., North Carolina State University, PhD, Washington State University. *Research Interests* - IPM in orchard and vineyard systems. *ESA - EB service* - President-Elect 2003, President 2004. Chair, Committee on Membership, 2000-2002. Secretary, 1995-1998; re-elected to second three-year term 1998- 2001. Member, Auditing Committee, 1998. Member, Program Committee, 1987, 1991, 1994. Member, Linnaean Games Committee, 1993. Member, Employment Committee, 1990-1993, Chairman 1991. Member, Committee on Insect Detection, Evaluation and Prediction, 1985-1990, Chairman, 1987, 1988. Member, Local Arrangements Committee, 1985. Member, Registration and Hospitality Committee, 1985.



## L. O. Howard Distinguished Achievement Award – Loke-Tuck Kok



Dr. L. T. Kok is widely recognized for his research in biological control of weeds. Since 1982, he has been a professor in the Department of Entomology, at Virginia Polytechnic Institute and State University (Virginia Tech). He was appointed to assume department headship in January 2004.

Dr. Kok was born in Malaysia. He received his B.Sc degree with Honors in agriculture in 1963 and M.S degree in Entomology in 1965 from the University of Malaya. In 1964, he was awarded a six months research fellowship at the International Rice Research Institute, Los Banos, Philippines. He joined the Faculty of Agriculture, University of Malaya in 1965 as Assistant Lecturer and was promoted to Lecturer and tenured in 1968. He went on sabbatical to pursue his Ph.D. degree under the supervision of Dr. Dale M. Norris at the University of Wisconsin, Madison. After completing his Ph.D. degree in 1971, Dr. Kok joined Virginia Tech as assistant professor in 1972. He was promoted to Associate Professor in 1978 and Professor in 1982.

Since arriving in Virginia Tech, Dr. Kok has received recognitions for his research. Among them are the 1997 Gamma Sigma Delta Distinguished Service to Agriculture Award, Virginia Tech, the Entomological Society of America National Agriculture Recognition Award (Ciba-Geigy) for Outstanding Contributions to Agriculture in 1988, the 1986 Alumni Award for Research Excellence, Virginia Tech, and the 1983 Gamma Sigma Delta Research Award, Virginia Tech.

Dr. Kok's appointment at Virginia Tech is in research and teaching. In research, he has focused on the biological control of weeds and arthropods and has published extensively on the *Carduus* thistles (*Carduus nutans* L. and *Carduus acanthoides* L.), Canada thistle (*Cirsium arvense* (L.) Scop., Spotted Knapweed (*Centaurea maculosa* Lamarck), purple loosestrife (*Lythrum salicaria* L.) and multiflora rose (*Rosa multiflora* Thunberg). On arthropods, he has conducted detailed studies on the cruciferous crop pests, parasitoids and hyperparasitoids and the biological control of the hemlock woolly adelgid. His publications in refereed journals exceed 150 and he has authored eight book chapters. He has graduated 12 Ph.D. and 14 M.S. students. All of them are well placed in academia, state or federal government agencies, industry or as private consultants. He teaches Biological Control of Arthropod Pests and Weeds, Arthropod Pest Management, Insect Pest Management, and Insect Ecology, and serves on the editorial board of the Biological Control journal. His hobbies are chess and investments in equity markets.

### John Henry Comstock Award Winner – Deborah Finke



Deborah Finke received a B.S. in Biology from Centre College in Danville, KY, where she worked with Dr. Randy Hunt investigating the influence of inter- and intra-specific vibrational calls for mate recognition in the treehopper *Enchenopa binotata*. She completed an M.S. from the Department of Entomology at the University of Maryland where she worked with Dr. Robert Denno investigating intraguild predation and its consequences for planthopper suppression in simple and complex habitats. Debbie is currently a doctoral candidate at the University of Maryland and her dissertation research examines how food web structure, intraguild predation, habitat complexity, and prey behavior interact to mediate herbivore population dynamics and the occurrence of trophic cascades. Debbie has received a variety of teaching awards including ‘The Distinguished Teaching Assistant Award’ from the Center for Teaching Excellence at the University of Maryland. She has also served as the Student Representative to the Entomology Faculty at the University of Maryland as well as the Maryland representative to the Student Affairs Committee of the Entomological Society of America-EB.

### **Asa Fitch Memorial Award Winner – Keith Colpetzer**



Keith Edward Colpetzer was born in Lewistown, Pennsylvania on June 4, 1970 to William Richard and Gloria Kay Colpetzer. He married Laurel Smith at age 25, and fathered his first son, Ryan William Colpetzer, on September 25, 2002. He attended and graduated with honors from West Chester University of Pennsylvania, where he received a Bachelor of Science (BS) in Biology with an Ecology concentration. Keith was employed as a contract consultant for a small environmental firm while working on his BS, and his primary responsibility with the firm was to sample and identify aquatic macro-invertebrates in bodies of water that clients wished to relocate. Upon completion of his BS, Keith secured a position with the Plant Industry Section of the Delaware Department of Agriculture, and he worked for the Department for one year as a nursery inspector before entering a Master of Science in Entomology program at the University of Delaware. Keith successfully defended his thesis, which was an evaluation of the biological control potential of an Asian weevil against the exotic invasive weed mile-a-minute, and graduated from the University of Delaware in August 2003. Keith is now employed by the Center for Integrated Pest Management at North Carolina State University as a USDA, APHIS, PPQ, Center for Plant Health Science and Technology, Plant Epidemiology Risk Assessment Laboratory contractor. He prepares commodity risk assessments for foreign governments that wish to import new or novel fruits and vegetables into the United States.

**SUNDAY MARCH 7, 2004**



**Afternoon**

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**Registration** – Mark Rothschild, Maryland Department of Agriculture, Salisbury, MD

**Lobby 1:00 – 5:00**

**Local Arrangements**

**Crown 1:00 – 5:00**

**Executive Committee**

**Goffe 1:00 – 3:00**

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**It's a Bug's World**

**Chapel, George, Whitney 1:00 – 5:00**

Free program open to the general public.

Organizer: Faith Kuehn, Delaware Department of Agriculture, Dover, DE

**Book Signing** “Discovering Moths, Nighttime Jewels in Your Own Back Yard”, John Himmelman, Killingworth, CT

**Insect Cuisine**

David Gracer, Providence, RI and the Peabody Museum, New Haven, CT

**Connecticut Butterfly Society**

John Himmelman, Killingsworth, CT

**Jade Insects and Cricket Warriors**

Doug Fleury, Caterpillar Catalyst, Inc., Holyoke, MA

**Triple Threat, Invasive Insects**

Judy Antipin, USDA Forest Service, Forest Health Protection, Newtown Square, PA

**Insect Illustration and a Flair for Ticks**

Tom Colantonio, Johnston, RI

**Tools of the Entomologist**

Ray Pupuedis, Peabody Museum, New Haven, CT

**Backyard Beekeeping and the World of Honey**

Candy Zar, Wilton, CT

**Victorian Flea Circus**

Adam Gertsacov, Acme Clown Company, Providence, RI

**SUNDAY MARCH 7, 2004**

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**Afternoon**

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**Insect Art Gallery**

Faith Kuehn and various contributors, Delaware Department of Agriculture, Dover, DE

**Wide World of Connecticut Insects**

Tim Abbey, Connecticut Agricultural Experiment Station, Windsor, CT

**Massachusetts Introduced Pests**

Julie Callahan, Department of Entomology, University of Massachusetts, Amherst, MA

**Insect Zoo**

Lloyd Tydings, Carrie Murray Nature Center, Baltimore, MD

**It's a Butterfly Craft**

Cherie Keenan, University of Delaware, Newark, DE

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<b>Posters (on display for entire meeting)</b>	<b>College</b>	<b>1:00 – 5:00</b>
1.*	<b>Taxonomical analysis of subfamilies of robber flies (Diptera:Asilidae) using molecular techniques.</b>	
	Stephen H. Page, 243 Rodgers Forge Rd, Apt. A, Baltimore, MD, Gail E Gasparich and Aubrey Scarbrough, Department of Biological Sciences, Towson University, Towson, MD	
2*	<b>Preliminary analysis of mitochondrial DNA sequence data for Anoplophora: Implications for source population determination of Asian longhorned beetle (<i>A. glabripennis</i>) in the United States.</b>	
	Maureen E. Carter, E.Richard Hoebeke, Department of Entomology, Cornell University, Ithaca, NY, Richard G. Harrison, Steven M. Bogdanowicz, Department of Ecology and Evolutionary Biology, Cornell University, Ithaca, NY and Melody Keena, USDA Forest Service, Hamden, CT	
3.	<b>Strain analysis of <i>Wolbachia</i> associated with plum curculio populations of five Northern states by using wsp gene.</b>	
	Xing Zhang, D. Pfeiffer, Dept. of Entomol., VA Tech, Blacksburg, VA, S. Luckhart, Dept. of Biochem., VA Tech, Blacksburg, VA, T. Leskey, Appalachian Fruit Res. Stn., Kearneysville, WV, A. Agnello, NYAES, Cornell U., Geneva, NY, J. Pinero, R. Prokopy, Dept. of Entomol., U. of Massachussetts, Amherst, MA, S. Polvarapu, Rutgers Blueberry and Cranberry Res. Center, Chatsworth, NJ, D. Polk, Rutgers Fruit Res. and Ext. Center, Cream Ridge, NJ, P. Shearer, Rutgers Res. and Ext. Center, Bridgeton, NJ and K. Love, VA Coop. Ext. Serv., Washington, VA	

**SUNDAY MARCH 7, 2004**

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**Afternoon**

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4. **Genetic transformation of commensal tsetse symbionts using a mariner transposable element.**  
Brian L. Weiss and Serap Aksoy, Department of Epidemiology and Public Health, Yale University, New Haven, CT
5. **Mapping West Nile virus risk in Connecticut.**  
Maria A. Diuk-Wasser and Durland Fish, Department of Epidemiology and Public Health, Yale University, New Haven, CT
6. **Landscape effects on the incidence and abundance of possible insect vectors of North American grapevine yellows.**  
LeAnn Beanland and Tony K. Wolf, Virginia Tech, AHS-AREC, Winchester, VA
7. ***Pryeria sinica* Moore (Lepidoptera: Zygaenidae), a newly discovered pest of bittersweet and *Euonymus* in North America.**  
Eric R. Day, Department of Entomology, Virginia Tech, Blacksburg, VA, John W. Brown, Systematic Entomology Laboratory, Smithsonian Institute, Washington, DC, Peter B. Schultz, Virginia Tech, Hampton Roads AREC, Virginia Beach, VA, Adria C. Bordas, Virginia Cooperative Extension, Fairfax County, Fairfax, VA and Marc Epstein, Systematic Entomology Laboratory, Smithsonian Institute, Washington, DC
8. **Survey for an insect herbivore of common reed in RI *Lipara* species (Diptera: Chloropidae).**  
Kristopher J. Winiarski, Department of Plant Sciences, University of Rhode Island, Kingston, RI
9. **Biological control of mile-a-minute weed, *Polygonum perfoliatum* L.**  
Judith A. Hough-Goldstein, Department of Entomology & Wildlife Ecology, University of Delaware, Newark, DE
- 10.\* **Methods to assess parasitism and predation in commercial apple orchards.**  
Mark A. Sarvary, Cornell University-NYSAES, Ithaca, NY, Harvey W. Reissig and Jan P. Nyrop, Cornell University-NYSAES, Geneva, NY
11. **Habitat specificity of the introduced biological control agent, *Trichogramma ostrinae* (Hymenoptera: Trichogrammatidae), and potential for non-target effects.**  
Tze-Hei Yong and Michael P. Hoffmann, Department of Entomology, Cornell University, Ithaca, NY

**SUNDAY MARCH 7, 2004**

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**Afternoon**

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- 12.\* **Field colonization of the soybean aphid, *Aphis glycines*, and the role of natural enemies in population regulation.**  
Wilma V. Aponte-Cordero, Dennis D. Calvin and Michael C. Saunders,  
Department of Entomology, Penn State University, University Park, PA
  
- 13.\* **Field efficacy of *Trichogramma ostrinae* for suppression of European corn borer in sweet pepper.**  
Vonny M. Barlow, Department of Entomology, Virginia Tech,  
Blacksburg, VA, Thomas P. Kuhar, Virginia Tech, Eastern Shore AREC,  
Painter, VA, Michael P. Hoffmann, Department of Entomology; Cornell  
University; Ithaca, NY, Shelby J. Fleischer, Department of Entomology,  
Penn State University, University Park, PA and Ruth V. Hazzard,  
Department of Entomology; University of Massachusetts, Amherst, MA
  
14. **A comparison of conventional and alternative tactics in a school IPM program.**  
Hans D. Lemke, Paula Shrewsbury, Michael Raupp, Department of  
Entomology, University of Maryland, College Park, MD, Jennifer Grant,  
New York State IPM Program, Geneva, NY and Julie Ross, Department of  
Entomology, University of Maryland, College Park, MD
  
- 15.\* **Increasing the effectiveness of trap cropping systems for diamondback moth.**  
Francisco R. Badenes-Perez, Brian A. Nault and Anthony M Shelton,  
Department of Entomology, Cornell University-NYSAES, Geneva, NY
  
16. **Evaluation of imidacloprid and thiamethoxam on *Otiorynchus sulcatus* adults.**  
Youngsoo Son and Edwin Lewis, Department of Entomology, Virginia  
Tech, Blacksburg, VA
  
17. **Termites versus entomopathogenic nematodes: The pathobiology of a social host/parasite association.**  
Noah Wilson-Rich, Rebeca B. Rosengaus, Department of Biology,  
Northeastern University, Boston, MA and Robin J. Stuart, University of  
Florida CREC, Lake Alfred, FL

\* Signifies Student Competition Poster

**SUNDAY MARCH 7, 2004**

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**Evening**

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<b>Reception and President's Welcome</b>	<b>Lobby</b>	<b>5:30 – 7:00</b>
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<b>Student networking</b> – Michael Raupp, Department of Entomology, University of Maryland, College Park, MD	<b>Wooster</b>	<b>7:00 – 9:00</b>
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<b>IDEP exotic pest workshop</b> - Donna Ellis, Department of Plant Sciences, University of Connecticut, Storrs, CT	<b>George</b>	<b>7:00 -- 9:00</b>
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<b>Student oral presentation competition</b> (Moderator Chris Bergh, Virginia Tech AHS-AREC, Winchester, VA)	<b>Chapel</b>	<b>7:30 – 7:54</b>
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7:30	<b>The effect of nest architecture on disease susceptibility in the dampwood termite, <i>Zootermopsis angusticollis</i> (Hagen).</b> Marielle A. Postava-Davignon and Rebecca B. Rosengaus, Northeastern University, Biology Department, Boston, MA
7:42	<b>Dynamics of diamondback moth oviposition on cabbage in the presence of its trap crops yellow rocket and glossy collard.</b> Francisco R. Badenes-Perez, Anthony M. Shelton and Brian A. Nault, Department of Entomology, Cornell University NYSAES, Geneva, NY

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<b>The changing entomological landscape</b> – Susan Whitney King, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE	<b>Chapel</b>	<b>8:15 – 9:00</b>
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**MONDAY MARCH 8, 2004**

**Morning**




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<b>Registration</b>	<b>Lobby</b>	<b>8:00 – 5:00</b>
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<b>Local Arrangements</b>	<b>Crown</b>	<b>8:00 – 5:00</b>
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Student Symposium **From Pitfall Traps to GIS: Emerging Tools in Quantifying Arthropod Distribution and Movement** (Organizer and Moderator Mark A. Sarvary, Department of Entomology, Cornell University, Ithaca, NY)

**Chapel 8:00 –**

**11:30**

**8:00 Opening remarks.**

Mark A. Sarvary

**8:05 Strawberry sap beetle movement and habitat diversity: Do alternate hosts matter?**

Rebecca Loughner, Department of Entomology, Cornell University, Ithaca, NY

**8:25 Patterns of plum curculio immigration into apple orchards.**

Jaime C. Piñero, Department of Entomology, University of Massachusetts, Amherst, MA

**8:45 Collection, distribution, and habitat preferences of the Hydrophilidae of Costa Rica.**

Andrew Short, Department of Entomology, Cornell University, Ithaca, NY

**9:05 Measuring the abundance and distribution of arthropods among habitat patches from sandstone outcrops in Georgia**

F. Michael McAloon, Department of Ecology and Environmental Biology, University of Connecticut, Storrs, CT

**9:25 Distribution data from taxonomic revisions and testing biodiversity hotspots.**

Torsten Dikow, Department of Entomology, Cornell University, Ithaca, NY

**9:45 Break**

**9:55 Solving the challenge of sampling above your reach: Sampling the lower atmosphere.**

Gabor Neumann, Department of Entomology, Cornell University, Ithaca, NY

**MONDAY MARCH 8, 2004**

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**Morning**

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- 10:15 **Predicting potato leafhopper *Empoasca fabae* (Harris) (Homoptera: Cicadelidae) overwintering range using GIS.**  
Amelia Jorge Sidumo, Department of Entomology, Cornell University, Ithaca, NY
- 10:35 **Biological control of mile-a-minute weed: *Rhinoncomimus latipes* (Coleoptera: Curculionidae) host specificity and feeding and oviposition preferences on *Polygonum perfoliatum* (Polygonales: Polygonaceae).**  
Keith E. Colpetzer, USDA-APHIS-PPQ-CPHST-PERAL, Raleigh, NC
- 10:55 **Food web structure and the occurrence of terrestrial trophic cascades.**  
Deborah Finke, Department of Entomology, University of Maryland, College Park, MD
- 11:15 **Conclusions and Discussion**
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IDEP Sponsored Symposium "**What Now?" Dealing With the 'Morning After' an Exotic Pest Detection** (Co-Organizers and Co-Moderators Donna Ellis, Department of Plant Sciences, University of Connecticut, Storrs, CT and Dick Bean, Maryland Department of Agriculture, Annapolis, MD)

**George 8:00 – 12:00**

- 8:00 **Welcome and Introduction.**  
Donna Ellis
- 8:05 **Preparation and responses to new plant pest detections.**  
Joel Floyd, Planning and Preparedness, USDA, APHIS, PPQ, Riverdale, MD
- 8:45 **Not in my back yard - Regulating exotic pests from a state perspective.**  
Ann Gibbs, Maine Department of Agriculture, Augusta, ME
- 9:15 **Surprise! You've got Asian longhorned beetle.**  
Tom Denholm, New Jersey Department of Agriculture, Trenton, NJ

## **MONDAY MARCH 8, 2004**

### **Morning**

- 9:45 **The brown marmorated stink bug, *Halyomorpha halys*, coming soon to a theater near you.**

Gary Bernon, Pest Survey, Detection, and Exclusion Laboratory, USDA, APHIS, CPHST, Otis ANGB, MA, James F. Stimmel, Pennsylvania Department of Agriculture, Harrisburg, PA, and Karen Bernhard, Cooperative Extension, College of Agricultural Sciences, Allentown, PA

- 10:15 **Break**

- 10:30 ***Pryeria sinica*, a new pest of *Euonymus*.**

Eric R. Day, Department of Entomology, Virginia Polytechnic Institute and State University, Blacksburg, VA

- 11:00 **When disaster strikes at midnight - Plum pox in Pennsylvania.**

Rayanne D. Lehman, Pennsylvania Department of Agriculture, Harrisburg, PA

- 11:30 **Emerald ash borer: Potential of control strategies after a silent invasion.**

Phillip Lewis, Pest Survey, Detection, and Exclusion Laboratory, USDA, APHIS, CPHST, Otis ANGB, MA

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Symposium "**Theoretical and Practical Implications of Ecological Research on Herbivorous Insects**" in Honor of Mark McClure (Organizer and Moderator Chris Maier, Department of Entomology, The Connecticut Agricultural Experiment Station, New Haven, CT)

**Wooster 8:30 – 11:40**

- 8:30 **Introduction: The man we honor.**

Chris T. Maier

- 8:40 **Coexistence, competition, and adaptive radiation: Leafhoppers, scales and sawflies.**

Peter Price, Department of Biological Sciences, Northern Arizona University, Flagstaff, AZ

- 9:20 **The rocky roll of competition in structuring communities of insect herbivores.**

Robert Denno, Department of Entomology, University of Maryland, College Park, MD

- 9:50 **Break**

**MONDAY MARCH 8, 2004**

**Morning**

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- 10:10 **Ecological insights into management of scale insect pests.**  
Lawrence Hanks, Department of Entomology, University of Illinois, Urbana, IL
- 10:50 **Nitrogen, herbivores, and woody plants in managed landscapes: another myth bites the dust.**  
Michael Raupp, Department of Entomology, University of Maryland, College Park, MD
- 11:20 **Questions about hemlock woolly adelgid? Ask Mark McClure!**  
Dennis Souto, USDA Forest Service, Durham, NH
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**Northeast Regional Field Crops Insect Conference** (Organizer and Moderator Joanne Whalen, Entomology and Wildlife Ecology, University of Delaware, Newark, DE)

**Whitney 8:00 – 12:00**

- 8:00 **Opening Comments**  
Joanne Whalen
- 8:05 **Update on resistance monitoring efforts with corn earworm, *Helicoverpa zea*.**  
Sean Malone and Ames Herbert, Virginia Tech, Tidewater Research and Extension Center, Suffolk, VA and Tom Kuhar, Virginia Tech, Eastern Shore Research and Extension Center, Painter, VA
- 8:20 **Should we revisit the potato leafhopper threshold in alfalfa?**  
Bill Lamp, Department of Entomology, University of Maryland, College Park, MD
- 8:35 **Effects of transgenic field corn expressing two lepidopteran-specific insecticidal proteins on the invertebrate community.**  
Galen P. Dively, Department of Entomology, University of Maryland, College Park, MD
- 8:55 **Performance of insecticidal seed treatments for field corn in Virginia.**  
Roger R. Youngman, Curt A. Laub and Siddharth Tiwari, Department of Entomology, Virginia Tech, Blacksburg, VA

**MONDAY MARCH 8, 2004**

**Morning**

**9:10 Life history parameters of univoltine and bivoltine races of European corn borer (*Ostrinia nubilalis*).**

Faruque U. Zaman, Dennis Calvin, Edwin Ed Rajotte and Liwang Cui, Department of Entomology, Penn State University, State College, PA

**9:25 Real-time web-based delivery of field crop insect development predictions.**

Dennis Calvin, Department of Entomology, Penn State University, State College, PA and Joe Russo, ZedX, Inc, Bellefont, PA

**9:45 Status of soybean aphid IPM program development in Pennsylvania.**

Wilma Aponte-Cordero, Dennis Calvin and Mike Saunder, Department of Entomology, Penn State University, State College, PA

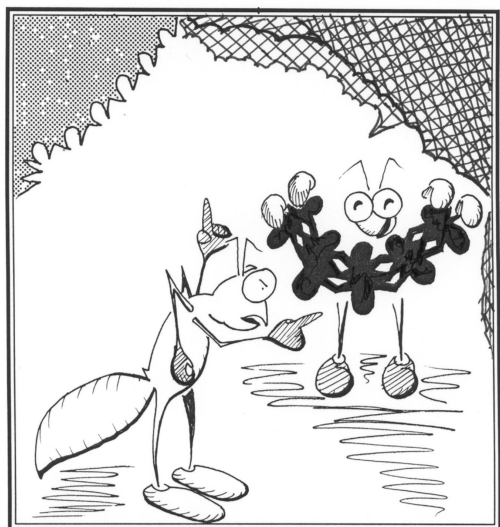
**10:00 Soybean aphid research in New York: An update.**

J. Keith Waldron, New York State IPM Program, Cornell University, Geneva, NY, John Losey, Leslie Allee, and Anne Hajek, Department of Entomology Cornell University, Ithaca, NY

**10:15 Soybean aphid dynamics in Minnesota.**

Erin Hodgson and David Ragsdale, Department of Entomology, University of Minnesota, St. Paul, MN

**11:00 Discussion of field crop insect pest problems in 2003 - State Reports**



**Will you quit foolin' around and just cut the damn leaf!**

**MONDAY MARCH 8, 2004**



**Noon**

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**The Cicada Skitter 5k Walk/Run** (Organizer Richard Hoebeke, Department of Entomology, Cornell University, Ithaca, NY)

Meet at registration desk      **12:00 – 1:00**

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**Afternoon**

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Symposium **Emerging Vector-Borne Disease: Collection to Detection** (Co-Organizers and Co-Moderators Melissa Miller, US Army Center for Health, Entomological Sciences Division, Ft. Meade, MD and Durland Fish, Dept. of Epidemiology and Public Health, Yale School of Medicine, New Haven, CT )

**Chapel      1:00 – 4:40**

- 1:00    **Introduction.**  
Melissa Miller and Durland Fish
- 1:05    **West Nile surveillance in Connecticut.**  
Theodore G. Andreadis, Connecticut Agricultural Experiment Station, New Haven, CT
- 1:30    **West Nile virus surveillance and response at Northeast military installations.**  
Ben Pagac, Robert Moore, and Carolina Calix, US Army Center For Health Promotion and Preventive Medicine, Entomological Sciences Division, Fort Meade, MD
- 1:55    **Mapping vector distributions: A climate-based model for Ixodes scapularis.**  
John Brownstein, Department of Epidemiology and Public Health, Yale School of Medicine, New Haven, CT
- 2:20    **Human Babesiosis: Surveillance from the clinical side.**  
Peter Krause, M.D. School of Medicine, University of Connecticut Health Center, Farmington, CT
- 2:45    **Break**

**MONDAY MARCH 8, 2004**

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**Afternoon**

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- 3:00 **Leishmaniasis in Iraq.**  
Russell Coleman, US Army Medical Research and Materiel Command, Ft. Detrick, MD
- 3:25 **Spatial analysis of mosquito light trap data.**  
Russell Barbour, Department of Epidemiology and Public Health, Yale School of Medicine, New Haven, CT
- 3:50 **Inactivation and stabilization of RNA viruses by extraction buffers.**  
Jamie A. Blow, David Dohm, Diane Negly, and Christopher Mores. US Army Medical Research and Materiel Command, Virology Division, Ft. Detrick, MD
- 4:15 **African swine fever virus: Endemic vs. epidemic.**  
Dan Rock, USDHS Plum Island Animal Disease Center, Greenport, NY
- 4:35 **Concluding Remarks.** Durland Fish and Melissa Miller
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Symposium. **Current Issues in Biological Control** (Co-Organizers and Co-Moderators Roger Fuester, Beneficial Insects Introduction Research, USDA-ARS, Newark, DE and Richard Casagrande, Department Plant Sciences, University of Rhode Island, Kingston, RI)

**George 1:00 - 5:00**

- 1:00 **Introductory remarks.**  
Roger Fuester
- 1:05 **Regulatory issues in biological control.**  
Robert Flanders, Pest Permit Evaluation Branch, Plant Protection and Quarantine, USDA-APHIS, Riverdale, MD
- 1:30 **Biocontrol and systematics support: On the ground and on the web in the 21st century.**  
Michael Schauff, Systematic Entomology Laboratory, USDA-ARS, Washington, DC
- 1:55 **Host specificity testing for parasitoids.**  
Roy van Driesche, Department of Entomology, University of Massachusetts, Amherst, MA
- 2:20 **Prospects for classical biological control using entomopathogens.**  
Ann Hajek, Department of Entomology, Cornell University, Ithaca, NY

**MONDAY MARCH 8, 2004**

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**Afternoon**

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- 2:45 **Prospects and problems in classical biological control against native species: Some recent case studies in forestry.**  
Marc Kenis, CABI Bioscience, D  l  mont, Switzerland
- 3:10 **Break**
- 3:25 **Is there a place for biological control in eradication programs?**  
Andrew Liebhold, USDA Forest Service, Morgantown, WV
- 3:50 **Role of exotics in the Coccinellini guild on Northeastern apples.**  
Mark Brown, Appalachian Fruit Research Station, USDA-ARS, Kearneysville, WV
- 4:15 **The ongoing *Harmonia axyridis* story, Part I.**  
Paul Schaefer, Beneficial Insects Introduction Research, USDA-ARS, Newark, DE
- 4:35 **The ongoing *Harmonia axyridis* story, Part II.**  
Eric Riddick, Biological Control and Mass Rearing Research, USDA-ARS, Mississippi State, MS
- 4:55 **Closing remarks.**  
Richard Casagrande
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Symposium **Biotechnology and Pest Management in the Northeast** (Co-organizers and Co-moderators Galen Dively, Department of Entomology, University of Maryland, College Park, MD and James Steffel, LABServices, Hamburg, PA)

**Wooster      1:00 – 5:00**

- 1:00 **Introduction**  
James Steffel
- 1:05 **Feasibility and economic viability of biotech crops in the Northeast.**  
Dennis Calvin, Department of Entomology, Pennsylvania State University, University Park, PA
- 1:35 **GMO technology in vegetable pest management – Past, present and future.**  
Fred Musser, New York State Agriculture Experiment Station, Cornell University, Geneva, NY



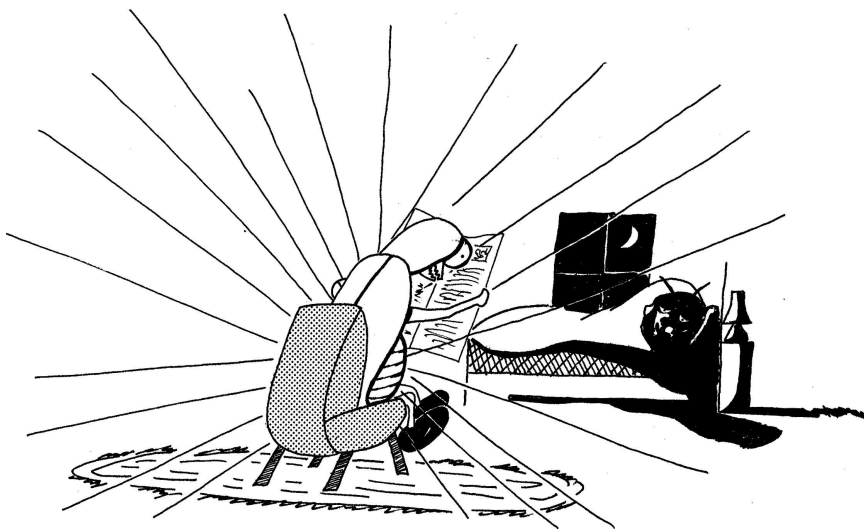
**MONDAY MARCH 8, 2004**

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**Afternoon**

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- 2:05 **Effect of GMO technology on non-target pests and IPM strategies.**  
Galen Dively, Department of Entomology, University of Maryland,  
College Park, MD
- 2:35 **Prevention of transgene escape in turfgrasses and horticultural  
perennials.**  
Albert Kausch, HybriGene, Inc., University of Rhode Island, Kingston, RI
- 3:05 **Break**
- 3:15 **Genetically engineered traits in crop plants: Beyond *Bt*.**  
Jim Ligon, Syngenta Seeds, Research Triangle Park, NC
- 3:45 **Industry perspective on product stewardship for GM crops.**  
Robert Starke, Monsanto Company, St. Louis, MO
- 4:15 **Managing resistance in *Bt* crops: Lessons from the past and new  
directions for the future.**  
Sarah Bates, New York State Agriculture Experiment Station, Cornell  
University, Geneva, NY
- 4:45 **Discussion**



Larry it's late! Will you turn off your light and get to bed!

**MONDAY MARCH 8, 2004**

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**Afternoon**

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Symposium **Current Trends in Small Fruit Entomology** (Organizer and Moderator Greg English-Loeb, Department of Entomology, Geneva, NY)

**Whitney 1:00 – 5:00**

- 1:00 **Introductory remarks.**  
Greg English-Loeb
- 1:05 **Using Personal Digital Assistants in small fruit IPM.**  
Douglas G. Pfeiffer, Department of Entomology, Virginia Tech, Blacksburg, VA
- 1:25 **Grape root borer as a rising pest in Virginia wine grapes.**  
Douglas G. Pfeiffer, Department of Entomology, Virginia Tech, Blacksburg, VA and Chris Bergh, Virginia Tech AHS-AREC, Winchester, VA
- 1:45 **Re-evaluation of grape berry moth management protocols.**  
Greg English-Loeb, Department of Entomology, Cornell University, New York State Agricultural Experiment Station, Geneva, NY and Tim Weigle, New York State IPM Program, Vineyard Laboratory, Fredonia, NY
- 2:05 **On the management of oriental beetle (*Exomala orientalis*) in cranberry using female sex pheromone.**  
Erik J. Wenninger and Anne Averill, Department of Entomology, University of Massachusetts, Amherst, MA
- 2:25 **Past and present pest status of blunt-nosed leafhopper (*Limotettix vaccinii*) in cranberry.**  
Timothy J. Davis and Anne Averill, Department of Entomology, University of Massachusetts, Amherst, MA
- 2:45 **Feeding and foraging of blueberry maggot flies (Diptera: Tephritidae) in the presence of protein baits.**  
James Barry and Sridhar Polavarapu, Marucci Center for Blueberry and Cranberry Research and Extension, Rutgers University, Chatsworth, NJ
- 3:05 **Break**

**MONDAY MARCH 8, 2004**

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**Afternoon**

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- 3:15 **Evaluation of organic insecticides, imidacloprid, and imidacloprid-treated spheres for managing blueberry maggot (Diptera: Tephritidae) populations.**  
Luis Teixeira, Bill Sciarappa, and Sridhar Polavarapu. Marucci Center for Blueberry and Cranberry Research and Extension, Rutgers University, Chatsworth, NJ
- 3:35 **Refractory key pests in MA cranberry.**  
Anne Averill, Department of Entomology, University of Massachusetts, Amherst, MA
- 3:55 **Reduced risk management of lowbush blueberry pests in Maine.**  
Sara Hoffmann, Francis Drummond, and Judith Collins, Department of Biological Sciences, University of Maine, Orono, ME
- 4:15 **Recent research on tarnished plant bug and strawberry blossom weevil in Maine.**  
D. Handley, Vegetable and Small Fruit Specialist, Cooperative Extension Service, University of Maine, Orono, ME and J. Dill, Extension Associate Program Administrator, Pest Management, University of Maine, Orono, ME
- 4:35 **Implications of movement for managing strawberry sap beetle.**  
Rebecca Loughner and Greg English-Loeb, Department of Entomology, Cornell University, New York State Agricultural Experiment Station, Geneva, NY
- 4:55 **Concluding remarks.**  
Greg English-Loeb

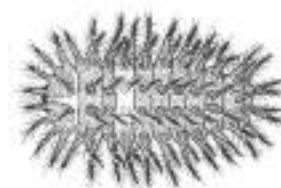
**MONDAY MARCH 8, 2004**



**Evening**

<b>General Business meeting</b>	<b>Chapel</b>	<b>5:00 – 6:00</b>
<b>Social and cash bar</b>	<b>Lobby</b>	<b>6:00 – 6:30</b>
<b>Banquet and Awards</b>	<b>Ballroom A/B</b>	<b>6:30 – 9:00</b>
<p>Welcome and Introduction – Michael Raupp</p> <p>Eastern Branch and ESA Awards Presentations</p> <ul style="list-style-type: none"> <li>ESA Distinguished Achievement Award in Teaching</li> <li>ESA Recognition Award in Urban Entomology</li> <li>L.O. Howard Award for Distinguished Achievement</li> <li>Herb Streu Meritorious Service Award</li> <li>John Henry Comstock Award</li> <li>Asa Fitch Award</li> </ul> <p>Student presentation competition award winners</p> <p><b>Evolution of 17-year cicadas with 13-year life cycles and other interesting tales about <i>Magicicada</i>.</b></p> <p>Chris Simon, Department of Ecology and Evolutionary Biology, University of Connecticut, Storrs, CT</p>		
<p><b>Linnaean Games</b> (Moderator Douglas G. Pfeiffer, Department of Entomology, Virginia Tech, Blacksburg, VA)</p>		
	<b>Wooster</b>	<b>9:00 – 10:30</b>

**TUESDAY MARCH 9, 2004**



**Morning**

**Registration** – Mark Rothschild      **Lobby**      **8:00 – 12:00**

**Local Arrangements**      **Crown**      **8:00 – 12:00**

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Symposium **Systematics of Invasive Arthropod Species in North America**  
(Co-Organizers and Co-Moderators Steven Lingafelter and Alexander Konstantinov, Systematic Entomology Laboratory, USDA, ARS, Washington, DC)

**Chapel**      **8:00 - 12:00**

8:00    **Opening Remarks.**  
Steve Lingafelter

8:10    **Overview on invasive insects in North America.**  
E. Richard Hoebeke, Department of Entomology, Cornell University, Ithaca, NY

8:40    **Invasive Heteroptera to North America.**  
Bob Foottit, Agriculture and Agri-Food Canada, Eastern Cereal and Oilseed Research Centre, Ottawa, Canada and Geoffrey Scudder, Department of Zoology, University of British Columbia, Vancouver, Canada

9:00    **Invasive aphids to North America.**  
Gary Miller, Systematic Entomology Laboratory, ARS, USDA, Beltsville, MD, Bob Foottit, Agriculture and Agri-Food Canada, Eastern Cereal and Oilseed Research Centre, Ottawa, Canada, Susan Halbert, Division of Plant Industry, Florida State Collection of Arthropods, Gainesville, FL, and Gregg Nuessly, Everglades Research and Extension Center, University of Florida, Belle Glade, FL

9:20    **Break**

9:40    **Invasive chalcidoids to North America.**  
Michael Gates, Systematic Entomology Laboratory, ARS, USDA, Washington, DC

10:00    **Elateridae introduced to North America.**  
Paul Johnson, Plant Science Department, South Dakota State University, Brookings, SD

## **TUESDAY MARCH 9, 2004**

### **Morning**

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10:20 **Cerambycidae introduced to North America.**  
Steven Lingafelter, Systematic Entomology Laboratory, ARS, USDA,  
Washington, D.C.

10:40 **Closing remarks.**  
Steven Lingafelter

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Symposium **Innovative Tactics for Crop Protection** (Co-Organizers and Co-Moderators Paul Rensner, FMC Corporation, Agricultural Products Group, Princeton, NJ and Timothy White, Crop Management Strategies, Inc., Germansville, PA)

**George 8:00 – 12:00**

8:00 **Introduction and overview of symposium.**  
Paul Rensner

8:10 **Potential biotech crops for the northeast.**  
Leonard Gianessi, Croplife Foundation, Washington, DC

8:35 **Vegetative insecticidal protein (VIP).**  
Kurtis Jones, Syngenta Crop Protection, Inc., Eastern Regional Technical Center, NY

9:00 **Sprayable pheromones for mating disruption - A novel delivery system.**  
Grant Oliver, 3M Controlled Delivery Products, London, Ontario

9:25 **Break**

9:45 **Update on Zeal acaricide (etoxazole) and S-1812 insecticide (pyridalyl).**  
Gary Kirfman, Valent USA, Grand Rapids, MI

10:10 **Flonicamid - New insecticide for high value crop IPM and IRM.**  
Howard Guscar, FMC Corp., Kansas City, MO, and James Bahr, Paul Rensner, and Charles Staetz, FMC Corp., Princeton, NJ

10:35 **Lipid biosynthesis inhibitors - A class by itself.**  
Lamar Buckelew, Bayer CropScience, Research Triangle Park, NC

## **TUESDAY MARCH 9, 2004**

### **Morning**

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**11:00 RAMP Update - Impact of phosphate replacement chemistries on IPM programs.**

Peter Shearer, Department of Entomology, Rutgers University, Bridgeton, NJ

**11:40 Wrap-up and Discussion.**

Tim White

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**Submitted papers** (Moderator Serap Aksoy, Yale School of Medicine, Yale University, New Haven, CT)

**Wooster 8:00 – 10:00**

**8:00 Efficacy of enhanced termite baiting stations.**

Cherie B. Keenan and Susan W. King, Department of Entomology and Wildlife Ecology, University of Delaware, Newark, DE

**8:12 Effect of reduced stipule and afile leaf of peas on pea aphid predator efficacy.**

Ana I. Legrand, Department of Plant Science, University of Connecticut, Storrs, CT

**8:24 Real World Organic: Pest management from case studies of 11 organic farms in the Northeast.**

Kimberly A. Stoner, Connecticut Agricultural Experiment Station, New Haven, CT and Anusuya Rangarajan, Department of Horticulture, Cornell University, Ithaca, NY

**8:36 Attract-and-kill as a potential management tactic for grape root borer.**

Chris Bergh, Virginia Tech, AHS-AREC, Winchester, VA and Doug Pfeiffer, Department of Entomology, Virginia Tech, Blacksburg, VA

**8:48 *Wolbachia* infection in black vine weevil populations and its impact on reproduction.**

Youngsoo Son, Edwin E. Lewis, Department of Entomology, Virginia Tech, Blacksburg, VA and Shirley Luckhart, Department of Biochemistry, Virginia Tech, Blacksburg, VA

**9:00 The role of the immune response in tsetse vector competence.**

Dana Nayduch and Serap Aksoy, School of Public Health, Yale University, New Haven, CT

**TUESDAY MARCH 9, 2004**

**Morning**

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- 9:12 **Endogenous promoter and signal sequence efficiency comparison in *Sodalis*, a facultative symbiont of tsetse fly.**  
Youjia Hu and Serap Aksoy, Yale School of Public Health, Yale University, New Haven, CT
- 9:24 **It takes at least two to tango: The population dynamics of tsetse fly (*Diptera: Glossinidae*) symbionts.**  
Rita V.M. Rio and Serap Aksoy, Yale School of Medicine, Yale University, New Haven, CT
- 9:36 **New approaches for African trypanosomiasis control.**  
Serap Aksoy, Yale School of Medicine, Yale University, New Haven, CT
- 9:48 **Rhode Island's 2003 surveillance data for West Nile Virus and Eastern Equine Encephalitis.**  
Jennifer E. Dacey, Department of Plant Sciences, University of Rhode Island, Kingston, RI and Al Gettman, Rhode Island Mosquito Abatement Coordination Program, Rhode Island Department of Environmental Management





**TUESDAY MARCH 9, 2004**

**Noon**

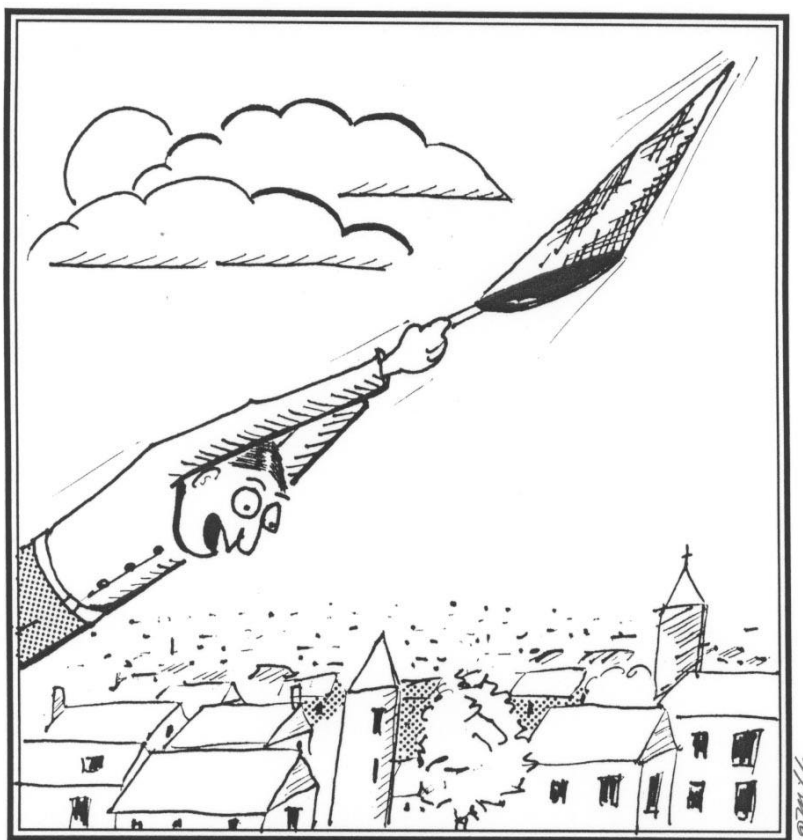
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**Session with the National ESA President, K. L. Steffey Whitney 12:00 – 1:00**

**Executive Committee meeting Goffe 1:00 – 2:00**

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Our sincere appreciation and thanks to John A. Davidson for the insect drawings and to Gary L. Miller and F. Eugene Wood for the cartoons used in this program.



**Had Eugene paid attention in Professor Muller's class, he would have known which insects were strong fliers.**

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