

Wednesday Morning Conference & Short Course Schedule

		Plenary Symposium		
		Asplundh Concert Hall		
REGISTRATION	7:00–8:00	Breakfast for Dorm Residents (Lawrence)		
	8:00–8:30	Welcome Jim Bobb , <i>EAS Chairman</i> Maryann Frazier , <i>Conference Coordinator</i> Linda Betlejeski , <i>EAS President</i> Vincent Aloyo , <i>PSBA Vice President</i> George Greig , <i>PA Secretary of Agriculture</i>		
	8:30–9:15	What's the Buzz? Sustainable Foodsheds of the Past, Present, and Future Brian Snyder , <i>Pennsylvania Association for Sustainable Agriculture Executive Director</i>		
	9:15–10:00	Dialogue in Bee Time: Lessons Learned from the Bees Mark Winston , <i>Professor and Author, Simon Fraser University</i>		
	10:00–10:30	Break (Vendor Area)		
	VENDORS	10:30–11:15	Cooperation and Conflict in Honey Bee Colonies Christina Grozinger , <i>James I. Hambleton Award Winner and Professor Penn State University</i>	
		11:15–Noon	What is Common and Unique to Beekeeping in NC Don Hopkins , <i>Roger A. Morse Outstanding Teaching/Extension Service/Regulatory Award Supported by Anita Weiss Foundation & Apiculturist, NC</i>	
	Noon–1:30	Lunch (Sykes)	Lifetime Members' Luncheon Mark Winston , <i>Keynote Speaker (Sykes 115)</i>	

Wednesday Night Social — Brandywine Picnic Park

690 S Creek Rd, West Chester, PA 19382 • (610) 793-3198 • 5:30-9:00 p.m.

- Relax and catch up with friends at the Wednesday evening social at the Brandywine Picnic Park, located along the scenic Brandywine Creek and less than 10 minutes from WCU. The Park plays host to some of the most beautiful scenery in southeastern Pennsylvania.
- The park is managed by one of the finest caterers in Chester County and will provide a three hour buffet, including Philly steak sandwiches to compliment the Cajun chicken on the menu.
- Challenge your fellow beekeepers to volleyball, horseshoes, mini-golf, basketball, softball and other fun activities in a game room—a great family event—all to the music of the Ong's Hat Band, dance music infused with spontaneity, wit, and unexpected musical turns.
- The park does offer a BYO policy, so bring a bottle of mead to share with your new friends. Iron Hill Brewing will make a special batch of beer using Chester County honey on tap at the social. Purchase a \$6.00 souvenir cup and you can fill it with IHB beer.

Tickets are required to attend this event.

Directions to Brandywine Picnic Park

- Turn left from parking lot onto W Rosedale Avenue and go 0.9 miles.
- Turn left onto Lenape Rd/PA-52. Continue to follow PA-52 for 2.5 miles.
- 690 S CREEK RD is on the right. The destination is just past River Bend Lane—if you reach Country Club Rd, you've gone about 0.6 miles too far.

Wednesday Afternoon Conference & Short Course Schedule

		Symposia		
		Making Peace & Places for Bees <i>Kim Flottum, Moderator</i>	Honey Bee Biology: A Deeper Understanding <i>Linda Bettlejeski, Moderator</i>	
		Sykes Theater	Main Hall Auditorium	
REGISTRATION VENDORS	HONEY SHOW DROPOFF	1:30–2:00	The Value of Good Forage in Keeping Healthy Bees Zac Browning , <i>Commercial Beekeeper</i>	How Honey Bees Live in the Wild Tom Seeley , <i>Professor and Author, Cornell University &</i>
		2:00–2:30	Conserving Bees in Managed Landscapes Doug Tallamy , <i>Professor and Author, University of Delaware</i>	Bee Brain Gas: How Nitric Oxide Helps Form Odor Memories Jay Hosler , <i>Assistant Professor/Cartoonist, Juniata College</i>
		2:30–3:00	Honey Corridors in the Appalachians Tammy Horn , <i>Faculty and Author, Eastern Kentucky University</i>	Colony Usurption: Out with YOUR Queen, In with THEIRS Wyatt Mangum , <i>Scientist and Author, University of Mary Washington</i>
		3:00–3:30	Apiary Services: Supporting Honeybees and Beekeepers Chris Harp , <i>Beekeeper, HoneybeeLives</i>	Nutritional Regulation of Division of Labor and Honey Bee Health Miguel Corona , <i>Scientist, USDA</i>
		3:30–4:00	Break	
		4:00–5:00	Breakouts (See Below)	
		5:00–5:30	Interactive Brainswarming: Making Peace & Places for Bees Zac Browning, Tammy Horn, Chris Harp, & Doug Tallamy	Interactive Brainswarming: Honey Bee Biology Tom Seeley, Jay Hosler, Wyatt Mangum, & Miguel Corona
		5:30–9:00	Wednesday Night Social at Brandywine Picnic Park (Ticket Required)	



Well Bee-ing; Your Move

Kids & Bees

Join us Wednesday night, 7:00-8:30, for a free event. Adults are invited to attend **Well Bee-ing; Your Move**, a program and conversation hosted by the Eastern Apiculture Society with Brian Snyder, Executive Director of the PA Association for Sustainable Agriculture; Doug Tallamy, Professor and author of *Bring Nature Home*; and Dennis vanEngelsdorp, world-renowned honey bee expert.

Youth are invited to explore the exciting world of Honey Bees during **Kids & Bees**. This hands-on learning event will have many activities, including candle rolling, honey tasting, Be a Beekeeper, and an up-close experience with live honey bees in an observation hive. Hosted by representatives of the American and Pennsylvania Honey Queen programs, Kids & Bees is in the Sykes Lounge area.

Breakouts (4:00–5:00)

Topic	Location
In Search of Perfect Bee Pasture: Where Can We Go These Days? Jeff Pettis & Zac Browning	Sykes Theater
The Communication Signals in Honey Bee Swarms Tom Seeley	Main Hall Auditorium
M222** Detecting Nosema Infection in Honey Bees Holly Holt	Merion 208
Cooking with Honey Pennsylvania Honey Queen Program	Sykes 115
In the Apiary: Tammy Horn & Mike Palmer	Apiary
New Beekeeper Q&A in the Apiary Bee Wranglers	Apiary
Master Beekeeper Exam Preview Dewey Caron	Sykes 252

** Seating is limited and on a first come basis. You may choose to guarantee your spot by putting your name on the sign-up list at the Registration Desk.

Thursday Morning Conference Schedule

		Symposia			
		Building Better Bees <i>Suzanne Matlock, Moderator</i>	A Forager's Challenge <i>Moderator TBA</i>	Microcosopy	Apitherapy
		Sykes Theater	Main Hall Auditorium	Merion 208	Merion 113
REGISTRATION VENDORS HONEY SHOW JUDGING	7:00–8:00	Breakfast for Dorm Residents (Lawrence)			
	8:00–8:30	Tech-Transfer Teams: Working for Beekeepers Katie Lee , <i>Tech Team; Bee Informed Partnership</i>	Worldwide Pollinator Declines; Beyond CCD Jeff Pettis , USDA-ARS Research Leader	M101** Introduction to Microscopes (& Pollen) Don Coats	Apitherapy Overview and Beekeeping Frederique Keller L. Ac. , President AAS, Craig Byer , Board Member AAS
	8:30–9:00	High and Low Tech Solutions to Building Better Bees in Canada Rob Currie , Professor, University of Manitoba	A Bee's Hazard Statement: Caution! Pollen May Be Dangerous to your Health! Diana Cox-Foster , Professor, Penn State Univ	M209** American Foul Brood, in the Hive and under the Scope Bart Smith	Pollen and Bee Bread Frederique Keller L. Ac. , President AAS, Craig Byer , Board Member AAS
	9:00–9:30	Queen Show & Tell Jeff Pettis , USDA-ARS Research Leader	Food Resources: Safe Sex in Plants Andy Stephenson , Professor, Penn State Univ		Propolis: Collection, Preparations, and Indications Frederique Keller L. Ac. , President AAS, Craig Byer , Board Member AAS
	9:30–10:00	Break (Vendor Area)			
	10:00–11:00	Breakouts (See Below)			Bee Venom Therapy; Applications & Technique (Informed Consent Form for people participating in afternoon Bee Venom Workshop) Frederique Keller L. Ac. , President AAS, Craig Byer , Board Member AAS
	11:15–Noon	Interactive Brainstorming: Building Better Bees Katie Lee, Rob Currie, & Jeff Pettis	Interactive Brainstorming: The Foragers' Challenges Diana Cox-Foster, Andy Stephenson, & Jim Frazier	M225** Sticky Board Assessment Don Coats	
	Noon–1:30	Lunch (Sykes)			

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Breakouts (10:00–11:00)	
Topic	Location
A Primer on Floral Anatomy & Pollination: Andy Stephenson	Main Hall Auditorium
Factors in Failing Queen Health: Jeff Pettis , <i>USDA-ARS Research Leader</i>	Sykes Theater
Making Candles Fit for the Pope: Martin Marklin, Marklin Candle Design	Sykes 115
M205** Worker Anatomy, Focus Tracheal Mites: Diana Sammataro	Merion 208
Bee Venom Therapy; Applications & Technique: Frederique Keller & Craig Byer, AAS	Merion 113
In the Apiary: Rob Currie & Katie Lee	Apiary
New Beekeeper Q&A in the Apiary: Bee Wranglers	Apiary
Hive Assessments: Dennis Keeney	Apiary

Thursday Afternoon Conference Schedule

		Symposia		
		Building Better Local Bee Populations — <i>David Tarpy, Moderator</i>	Innovative Outreach & Partnerships — <i>Maryann Frazier, Moderator</i>	Apitherapy
		Sykes Theater	Main Hall Auditorium	Merion 113
REGISTRATION VENDORS HONEY SHOW	1:30–2:00	How We Can Work Together to Build Better Local Bee Populations Dave Tarpy , Associate Professor and Extension Apiculturist, University of North Carolina	Being Informed. Survey Says: Beekeeping Management Practices That Work and That Don't. Dennis vanEngelsdorp , Assistant Research Scientist, University of Maryland	Bee Venom Therapy Practical Demonstration Frederique Keller L. Ac. , President AAS Craig Byer , Board Member AAS
	2:00–2:30	Thinking Beyond Your Apiary; Tools and Strategies for Improving the Neighborhood Jeff Berta , PA Beekeeper & Local Queen Breeder	The COLOSS Network: A Global Approach to Improve Bee Health Vincent Dietemann , Senior Research Scientist, Swiss Research Center	
	2:30–3:00	Mike Palmer , VT Beekeeper & Queen Breeder Dan O'Hanlon , WV Beekeeper, Queen Breeder & Judge Dennis Keeney , PA Beekeeper & Queen Breeder, PA Troy Hall , NH Beekeeper & Queen Breeder,	Bee Partners in Kenya & USA—Using Solar Wax Melter/Beeswax Exchange as a Starting Point Elliid Muli , Faculty; South East University and Beekeeping Specialist, Icipe, Kenya	
	3:00–3:30	Break (Vendor Area)		
	3:30–4:30	Breakouts (See Below)		
	4:45–5:30	Interactive Brainswarming: Queen Production Dave Tarpy, Mike Palmer, Dan O'Hanlon, Dennis Keeney, Troy Hall, & Jeff Berta	Interactive Brainswarming: Innovative Outreach & Partnerships Elliid Muli, Vincent Dietemann, & Dennis vanEngelsdorp	The Colors of Propolis & Salve-making Workshop Frederique Keller L. Ac. , President AAS Craig Byer , Board Member AAS
	6:30–9:30	Thursday Night Social, Live Auction, and Honey Show Award Ceremony (Ticket Required) Red Clay Room, 423 Dalmation Street, Kennett Square, PA 19438		

Travel through Bee & American History

At 3:30, visit a Local Bee-yard and Apiary Museum with Warren Graham. (Pick up map at registration and drive 20 minutes to site. For more information, see page 46.)

Breakouts (3:30–4:30)

Topic	Location
Blueprints for Building Better Local Bee Populations: Dave Tarpy, Mike Palmer, Dan O'Hanlon, Dennis Keeney, Troy Hall, & Jeff Berta	Sykes Theater
M205** Worker Anatomy, Focus Tracheal Mites: Diana Sammataro	Merion 208
The Colors of Propolis & Salve-making Workshop: Frederique Keller L. Ac., AAS & Craig Byer, AAS	Merion 113
Bee Lining in the Apiary: Tom Seeley	Apiary
Bee Partners; Kenyan and US Beekeepers: Elliid Muli, & Maryann Frazier	Main Hall Auditorium
New Beekeeper Q&A in the Apiary: Bee Wranglers	Apiary
Mead-making 101: Bob Talkiewicz	Sykes 115

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Friday Morning Conference Schedule

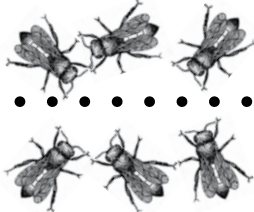
Symposia	
New Tools to Address New & Old Problems <i>Tammy Horn, Moderator</i>	Beekeeping Around the World <i>Jim Bobb, Moderator</i>
Sykes Theater	Main Hall Auditorium

REGISTRATION	VENDORS	7:00–8:00	Breakfast for Dorm Residents (Lawrence)	
		8:00–8:30	Modeling as a Tool for Assessing Honey Bee Colony Health Jim Frazier, Professor, Penn State University	Challenges Facing Beekeepers in the UK Helen Thompson
		8:30–9:00	What Can Genomics Teach Us about Honey Bee Health? Christina Grozinger, Associate Professor, Penn State University	Traditional Beekeeping in Kenya: a Contributing Factor to Bee Health? Elliud Muli
		9:00–9:30	Recent Advances in Bee Risk Assessment in the EU Helen Thompson	Keeping Bees Healthy in Europe Vincent Dietemann
		9:30–10:00	Break (Vendor Area)	
		10:00–10:30	A New Way of Looking at “Old” and “New” Mites Diana Sammataro, Scientist, USDA	Can We Manage Problems Causing Colony Losses in Canada? Rob Currie
		10:30–11:00	Honey Bee Microbiota: Maybe it’s the Little Things that Matter Paul Niemczura	Coping with Africanized Bees & Bee Mites in South and Central America Dewey Caron
		11:00–11:30	Invitation to EAS Kentucky, Tammy Horn, EAS 2014 President	
		11:30–Noon	EAS Annual Business Meeting	
		Noon–1:00	Lunch (Sykes)	

EAS Annual Business Meeting
11:00-Noon (Sykes Theater)

Meet & Greet, Friday Banquet, and Awards Ceremony
6:00 p.m. (Sykes)

- Wrap up the week with a Meet & Greet pre-banquet mingle at 6:00 p.m. in the Sykes lobby. Then at 6:30 p.m., join us for
- a the Friday Banquet and our Annual Award Ceremony. At the dinner, there will be great food, awards, a few surprises, and
- you will meet the Kentucky crew for 2014!
- **Tickets are required to attend this event.**



Friday Afternoon Conference Schedule

Workshops									
	Honey Bees & Computers	Honey Bees in Culture	How To: Bees	How To: Products	Microscopy	Team Work	Apiary Work	Queen Rearing	
	Anderson 001	Sykes 252	Merion 113	Sykes 115	Merion 208	Merion 112	Apiary	Merion 109	
HONEY SHOW	1:00–1:45	A Decision Support System for Honey Bee Colony Management** Bruce Miller, Rule of Thumb Inc.	Writing About Bees: An Interactive, Hands-on Breakout Mark Winston	Reading the Hive—Do We Always Need to Open? Dewey Caron	Making Comb Honey Herman Danenhower	M201** Microscopes and the Beekeeper Don Coats	Gamma Irradiation Brian Marcy & Mark Antunes	Working with African Bees Elliud Muli	Practical Queen Rearing Techniques** Elina L. Niño & Bernardo Niño (Limited to 20)
	2:00–2:45	Drop-in Computer Time on Decision Support System Bruce Miller	Drawing on the Hive: How to Draw Comic Stories about Bees and Insects Jay Hosler	Performing Hive Assessments Katie Lee	Mead Making 101 Bob Talkiewicz	M230** Drone & Queen Reproduction Anatomy Deb Delaney	Let's Do It Together Grai St. Clair Rice & Chris Harp	Assessing Varroa Populations Bee Wranglers	
	2:45–3:15	Break (Honey Show Area in Sykes)							
	3:15–4:00	A Decision Support System for Honey Bee Colony Management** Bruce Miller	Beeconomy and Breaking through the Grass Ceiling Tammy Horn	Managing Risk in Honey Production: From the Hive to the Pantry Deb Delaney	Making Comb Honey Herman Danenhower	M240** Bee Plants & Their Pollen Identification Diana Sammataro	Marketing for Small Scale/Sideline Beekeepers Charlie Vorisek	Hive Assessments Katie Lee	Practical Queen Rearing Techniques** Elina L. Niño & Bernardo Niño (Limited to 20)
	4:15–5:30	Drop-in Computer Time on Decision Support System Bruce Miller	Master Beekeeper Exam Review Dewey Caron	Top-Bar Hive Beekeeping: Financially Sustainable Wyatt Mangum	Candle-Making ... Fit for the Pope Martin Marklin	M205** Worker Anatomy, Focus Tracheal Mites Diana Sammataro	Bee Partners; Kenyan and U.S. Beekeepers Elliud Muli & Maryann Frazier	Identification of Brood Diseases Bee Wranglers	
	6:00–6:30	Meet & Greet (Sykes)							
	6:30–9:00	Banquet and Award Ceremony (Sykes Ballroom. Ticket Required.)							

Master Beekeeper Exam Review
4:15–5:00 (Sykes 252)

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