Come To West Chester

Get ready to swarm to West Chester University in beautiful Chester County, Pennsylvania for EAS 2013 in just a few weeks. Registration is buzzing and we expect a great crowd. The first 400 registrants get a free EAS 2013 commemorative pin!

The air-conditioned dorms are very convenient to Sykes Student Union, Brandywine Lecture Hall, and Merion Science Center where the majority of lectures and classes will be held. Available hotels are just a short drive away.

We have a terrific team getting everything ready and set for your arrival. Look for folks in gold shirts with the EAS 2013 bee logo. They will be available to answer questions and assist you.

West Chester, Pennsylvania is just southwest of Philadelphia, the birthplace of Lorenzo Langstroth, creator of the style of hives the majority of beekeepers use. Look for Langstroth at the Conference – and maybe get your picture taken with him!

There will be some open times to visit Colonial Plantation, nearby to West Chester. Beekeeping surged during the American Revolution as molasses imports from the Caribbean were halted. The Colonial Plantation’s exhibit recreates and 18th century apiary and shows its evolution toward the Langstroth hives of today. Come visit a 1770’s working farm and marvel at the hard work of early American beekeepers.

The Short Course and Conference offer something for every beginner to experienced beekeeper with presentations from local to national to international experts. We will have two locations very close by on campus for outside apiary work. One apiary is directly outside of classrooms in a garden setting of native plants.

Evening activities early in the week include Monday Movie Night and the famous Tuesday Bee Olympics. We are also excited about the Conference social events. Our Wednesday 6 to 9 p.m. picnic in nearby Brandywine Picnic Park includes live music, games, and terrific homebrew beer and food (including Philly cheese steaks). Our Thursday auction will be a “taste of Chester County” at the Red Clay Room, a drive through the beautiful rolling hills of Chester County. Plan to

Honey Bee Research Award

The proposals for the EAS Foundation for Honey Bees Research Award were highly competitive this year, with nine high-quality proposals. After our lengthy deliberations, we are pleased to announce that a research team from the Ohio State University is the 2013 recipient of the $5,000 award. Drs. Thomas Janini and Reed Johnson have been awarded for their proposal titled “Effects of Neonicotinoid/Fungicide/Adjuvant Pesticide Combinations Commonly Encountered by Honey Bees on Pumpkins.” The committee recognized their request as worthy of funding in our annual effort to recognize and support bee research using funds from the EAS Foundation.

Dr. Janini is an Associate Professor at The Ohio State University Agricultural Technical Institute (ATI) in Wooster, Ohio. He has studied and synthesized nanostructured polymers and has worked in the pharmaceutical industry. He currently teaches courses in general chemistry, organic chemistry, and biochemistry. Dr. Janini is also the faculty advisor to the ATI Student Bee Club.

Dr. Johnson, a former EAS Student Award winner, is an Assistant Professor in the Department of Entomology at The Ohio State University – Ohio Agricultural Research and Development Center (OARDC) in Wooster, Ohio. His research interests include the intersection between pesticides, bee health, toxicology and genomics.

The committee was compelled by the timeliness and importance of pesticides in general, and neonicotinoids in particular, on honey bee health. At issue are the potentially important but largely unknown interactions of sublethal doses of insecticides with other synthetic chemicals, particularly fungicides and the (supposedly) inert media in which they are applied. Emerging evidence has shown that the toxic effects of these chemical mixtures can have surprising synergistic effects, some of which can lead to unexpected mortality of bees. The research objectives of this study will be to elucidate and quantify these potentially negative interactions, develop dose-mortality curves for these combinations, and provide important empirical evidence for beekeepers and EPA officials to consider the overall chemical exposure of bees, rather than looking at each in isolation.

Congratulations to Thomas and Reed – EAS is pleased to support their study because of its importance to beekeepers and the timeliness of this science.

What’s Inside

- From The Colonies
- More About EAS 2013
- 2013 Registration Form
- A Glimpse At The Program
- Potherings From The Chairman

Summer, 2013

Continued on Page 4
Potherings From The Chairman –

Well, it is June 19 and I am happy to report that I can find nothing noteworthy in the beekeeping world that made June 19 infamous, except that two of Freddie Bookheimer’s hives in Skippack swarmed this morning.

On the East Coast, we have now gone through a late winter chill to 33°, a four-day 90° heat wave, a tropical storm with 3° of flooding on my driveway, and tornadoes, all in the past month. So, you can pick any excuse you want not to go into the hives: too hot, too cold, too wet, too many full honey supers to lift off, etc. Somehow the bees just keep going and it always amazes me as to how well they ignore everything else going on around them.

I do have a call in to Glenn “Hurricane” Schwartz, our local weatherman to make sure that the week of EAS 2013 is cool, sunny, with only a gentle rain in the early morning between 2:00 and 4:00 the entire week.

The EAS PA team is putting the finishing touches on the social and educational programs. But now we need you to spread the word and get excited about the upcoming convention. We have something for everyone this year. So, now is the time to go online and register. Why not form a carpool to bring your fellow beekeepers to West Chester?

Some topics are booking up quickly. The Train-the-Trainer program has proved very popular and is already filled. (We do have a waiting list in case of cancellations.) So do not dally.

If someone would ask you why go to an EAS Convention, what would you say? Here are my top ten reasons to attend:

1. The speakers are fantastic. I always wanted to meet Mark Winston, Mike Palmer, Wyatt Mangum, Tom Seeley, and the list goes on and on and on and on.
2. I want to know how to keep my bees alive over winter.
3. I want to challenge myself and take the EAS Master Beekeeper Exam.
4. There is so much on the program to learn, I would be a fool not to attend.
5. Microscopes fascinate me. I want to learn how to use them to count Nosema spores and study bee anatomy.
6. Beekeepers in Pennsylvania are even friendlier than beekeepers in Vermont.
7. I am coming for the food. I love Philly pretzels, cheesesteaks, scrapple, Tastykakes, cream cheese, shoofly pies, and Heinz ketchup—oops that is Pittsburgh, but it is still Pennsylvania good.
8. Free parking.
9. I want to play with bees and talk with beekeepers. I just learn so much by being in the beeyard with other beekeepers.
10. I miss talking with all of my EAS friends, who are now family. It is great to see my friends from Rhode Island and Maine walk in to registration—I do have friends from other states, but my beekeeping friends from those two states are usually the first to arrive each year.

EAS 2013 Highlights

If you have enjoyed past EAS conferences, you will find many familiar aspects and some exciting new features.

Housing We still have dorms available on campus (register for a dorm on the registration form or the online registration) and nearby hotels with reduced rates. Reserve your hotel rooms now if you wish – just visit www.easternapiculture.org for a list of the hotels and contact information.

Meals During EAS 2013, meals will offer a local flavor – either a honey or a Philadelphia/Pennsylvania Dutch product. Check out the taste of Pennsylvania with our famous pretzels, Tastykakes, Philly cream cheese, cheesesteaks, shoofly pie, and more.

Life Membership Luncheon Join fellow EAS Life Members for a special meal at Wednesday lunch. During the luncheon, Mark Winston will be the keynote speaker. Please pay for a standard Wednesday lunch ticket during registration, and we will have a place setting at the luncheon ready for you.

Evening Socials Share stories and food with fellow beekeepers at a nearby amusement park on Wednesday evening. The Thursday evening social is a honey show award dinner and annual auction. The Friday night banquet is back on campus.

Apiary New this year, in the apiary we will have a live Warré and top bar hives, in addition to the normal Langstroth boxes. Adam Schreiber will display some natural cell-sized hives. I will also bring some problem hives:
Chairman ... Cont. From Page 2
drone-laying queens, and laying workers. Visit the beeyard throughout the week to see demonstrations on many different ways to feed bees and other management techniques. On Monday afternoon, a swarm will mysteriously land on a nearby post and the Short Course attendees will have a chance to Hive That Swarm!

**Short Course Schedule** The Short Course will be Monday, Tuesday, and spill over into Wednesday, allowing attendees to patronize the vendors, who arrive on Wednesday.

This year there are a series of Core Classes, suggested for the relatively new to beekeeping or those who wish to refresh their knowledge and skills. On Tuesday afternoon, there is an optional written exam which will cover the material covered by the Core Classes. Anyone wishing a Core Beekeeping Certification must pass the written test, as well as a field quiz in the apiary demonstrating the ability to light a smoker and identify workers, drones, brood, pollen, nectar, and honey. Although the exam and quiz are optional, they are a fantastic learning opportunity—a chance to see what you know, or more importantly, what you do not know.

In addition to Core Classes, Electives provide topics for more advanced attendees, for example bee and biology topics (how do bees communicate and how do bees see), sideliners topics (marketing, building a profitable business, growing pains), queen rearing, and value-added products (mead-making, hand creams).

New and expanded topics for this year focus on urban beekeeping, staying green, and top bar hives, highlighting Wyatt Mangum doing a demonstration in the beeyard and talks on top bar hive management.

A new Train-the-Trainer program on Tuesday, designed by Bill Mares and David Tarpy, focuses on leaders in the bee industry and bee instructors who want to improve their teaching skills and compare syllabi. This class is sold out. You may put your name on a waiting list, in case someone does cancel.

**Conference Schedule** Maryann Frazier has packed Wednesday through Friday morning with half-day symposia, each having three talks followed by concurrent workshops and a panel discussion. The general topics are Making Peace & Places for Bees, Honey Bee Biology, Building Better Bees, Foragers’ Challenges, Production of Local Queens & Bees, Innovative Outreach and Partnerships, Beekeeping Around the World, and New Tools to Address New & Old Problems. Friday afternoon will be a plethora of workshops to whet the appetites of beekeepers and spouses alike.

**Apitherapy** On Thursday, the AAS (American Apitherapy Society) will offer a track on apitherapy. Drop in for a few talks or workshops or spend the day—attendance is included in your conference registration.

**Microscopy** During both the Short Course and Conference, Don Coats has planned a series of microscope workshops, from very basic knowledge to counting Nosema spores.

Please visit the web site for pictures and bios of the speakers who have confirmed thus far.

**Master Beekeeper Exams** The MB Certification Committee is coordinating the exam for August. Remember the deadline is July 1 for both new candidates and those retaking an exam.

**Honey Show** Michael Palmer and Brian Marcy have secured precious and expensive awards for the winners of the 2013 Show. Please bring your best to compete. Rules can be found in the winter EAS Journal and on our EAS website, www.easternapiculture.org.

**Vendors** The vendors will be at West Chester, across the hall from registration, from Wednesday through Friday. Many vendors have already confirmed.

**Pennsylvania State Beekeepers’ Association (PSBA) Picnic**

On the Saturday following EAS 2013, join us at the Morris Arboretum (just thirty miles from West Chester University). The Montgomery County Beekeepers’ Association, the local host for PSBA, has rented the private farm area for the day. All beekeepers are welcome. Here is what you will enjoy.

- Food and mead-tasting.
- Complimentary access to the entire garden with free bus rides to the main entrance.
- The Big Bugs exhibit will be at the Morris during our visit, so the garden will be overrun with twenty foot tall ants and two-story praying mantis.
- Join the Hive Crawl...similar to a pub crawl, just add bees, but keep all of the other aspects of a pub crawl.
- Tour a renovated, three-story mill, and grind some cornmeal.
- Go out on a limb and climb through the tree canopy, walk inside a room-sized robin’s nest.
- Have your picture taken sitting on the Langstroth Memorial Bench, originally dedicated in the 1950s, made out of black locust, with the history of Langstroth carved in the panels on the back of the bench.
- Follow the self-guided map to see the national champion trees.
- Study the different styles of green roofs. Some are shallow and grow sedum; others have a deeper soil base and are planted intensively with small shrubs and perennials—a perfect habitat for native bees and pollinators.
- Explore the native pollinator hives.
- Learn about the LEEDS Platinum Certification awarded to the Morris Arboretum.
- Just sit, relax, and compare bee stories with fellow beekeepers.
- Or, saunter over and inspect Jim Bobb’s hives at Morris Arboretum. Many have just been painted by local school students and may be some of the most colorful hives in the world.

So, save the dates Monday-Friday, August 5-9 for EAS 2013 (and Saturday, August 10 for the picnic).

Since June 19 is not such a special day in beekeeping, except for poor Freddie Bookheimer, why not take some time out and register for EAS 2013? A one day registration fee runs about the same price as two or three buckets of KFC chicken.

See you soon in Pennsylvania.
bid on and take home a special souvenir of your visit! The Friday banquet promises to be a fun way to wind down your week!

We are offering a special evening for the public to come and hear lectures including activities for children. When my husband Paul Niemczura and I do demonstrations for young children we are so amazed at their interest and the terrific questions they ask. They love to look at the live bees in the observation hive and are most interested in finding the queen!

If you are able to come early or stay late, there are many options for travel to nearby destinations. You can visit historic Philadelphia, Lancaster County, and Longwood Gardens. Our Pennsylvania State Beekeepers Association summer picnic is the next day following the conference in nearby Montgomery County at beautiful Morris Arboretum. You can take a tour of some urban hives early in the day, and end the day with a mead tasting.

The week is shaping up to be a great week of learning, camaraderie, and fun. Look for me, I plan to be everywhere!

Linda Betlejeski, President 2013

Don’t forget about the EAS Honey Exchange! The Honey Exchange has been popular at the EAS Conference for over 10 years!

Bring one, two, or three one-pound jars of your honey, clearly labeled with where the honey is from. When you arrive, ask at the registration desk where you can turn in your honey. You will receive 1 ticket for each jar of honey you bring. The honey will be placed on display in the lobby area.

On Friday afternoon, at the designated time, bring your tickets and turn each of them in for a jar of honey you covet to take home with you.

The Honey Exchange is NOT the Honey Show but is a great way to show off your honey and head home with honey that is from another place.

The EAS Worker bees get to share all the honey that doesn’t get claimed!

See you in West Chester, Pennsylvania!

Kathy Summers, EAS Editor
7011 Spieth Rd.
Medina, OH 44256
330.461.1081
330.725.6677, ext. 3215
journal@easternapiculture.org
kathy@beeculture.com
Please contact me with comments, suggestions, corrections, things you’d like to see in your Journal.

Wednesday Night Social
Planning on attending the Wednesday Night Social? Here are some more details. The Brandywine Picnic Park is a BYO facility, so if you have something special you would like to share with your fellow beekeepers then bring it along. But if that is too much trouble we have you covered and it will support the EAS.

We have made arrangements with Iron Hill Brewing in downtown West Chester to brew a special batch of beer using Chester County, PA honey. This beer will be on tap in their restaurant all week during the conference. But in case you do not make it to the restaurant during the conference we have arranged for the same beer to be available on tap during the social.

Anyone attending the Wednesday Night Social will be able to purchase a souvenir cup for the conference ($5.00) which you can then use to enjoy the beer with your Philly Cheesesteak, Cajun Chicken and the other picnic item we will be offering during our buffet.

We will also compliment your evening with some musical entertainment. A group of local musicians who are particularly fond of my mead has agreed to join us. The Ong’s Hat Band is best described as out of the old time tradition of dance music infused with spontaneity, wit and unexpected musical turns. The Ong’s Hat Band was organized by a disparate group of acoustic musicians that quickly melded their various sensibilities into an audience-friendly and accomplished ensemble. Steeped in American Traditional Music with side trips to Jazz, Classical, Rock and Pop, the members of the band put a new face on traditional music—Acoustic Roots Music On A Tangent.

A nice way to relax with your beekeeping friends while continuing to support the EAS!

Our Business Is:
Education and Conferences, Master Beekeeper Certification, Honey Bee Research Grants
### Monday Morning Short Course Schedule

<table>
<thead>
<tr>
<th>Core Classes</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Track 1</strong></td>
<td><strong>Testing</strong></td>
</tr>
<tr>
<td>Brandywine 31</td>
<td>Apairy</td>
</tr>
<tr>
<td><strong>Top-Bar Hives</strong></td>
<td><strong>Sideline Topics</strong></td>
</tr>
<tr>
<td>Brandywine 31</td>
<td>Brandywine 4</td>
</tr>
<tr>
<td><strong>Value-Added Products</strong></td>
<td><strong>Microscopy</strong></td>
</tr>
<tr>
<td>Brandywine 31</td>
<td>Brandywine 208</td>
</tr>
</tbody>
</table>

#### 7:00-8:30
- **Breakfast for Dorm Residents (Lawrence)**

#### 8:00-8:45
- **SC111** Biology of Individuals in the Hive: Debbie Delaney
- **SC102** Equipment & Construction: Mark Antunes
- **SC151** Drop In Q&A or Take the Core Field Exam: Vince Aloyo
- **SC171** Top-Bar Hands-On Management: Wyatt Mangum (*limit 25 participation required*)
- **SC301** Introductory Beekeeping Techniques: Darleen Worisek
- **SC302** Maximizing Honey Production: Michael Palmer
- **SC221** Making Creamed Honey with Beekeeping Techniques: Grace Crawford
- **M101** Introduction to Microscopes (Parts I & II): Don Coats
- **M209** American Foulbrood Identification: Bart Smith

#### 9:00-9:45
- **SC111** Biology of the Colony: Debbie Delaney
- **SC101** Raising Hives, Good Neighbors & BMP: David Papke
- **SC151** Drop In Q&A or Take the Core Field Exam: Vince Aloyo
- **SC172** Top-Bar Seasonal Management, Other Topics: Dennis Keone
- **SC222** Making Creamed Honey: Vance Aloyo
- **SC304** Building a Profitable Bee Business: Dan Condon
- **SC223** Mead Making 101: Bob Talkiewicz
- **SC224** Worker Anatomy, Focus Tracheal Mites: Diana Sammartaro

**Lunch (at Sykes)**

### Monday Afternoon Short Course Schedule

#### 1:30-2:15
- **SC142** Diseases Part 1 — Infections: David Papke
- **SC121** Drop In Q&A or Take the Core Field Exam: Vince Aloyo
- **SC171** Top-Bar Hands-On Management: Matthew Feldman (*limit 25 participation required*)
- **SC305** Nucs as My Business: Mike Palmer
- **SC306** What We Know About Varroa Mites: Diana Sammartaro

#### 2:30-3:15
- **SC143** Diseases Part 2 — Parasites and Adult Bee Diseases: David Papke
- **SC124** Management through the Seasons: Stephen Repasky
- **SC151** Drop In Q&A or Take the Core Field Exam: Vince Aloyo
- **SC201** Equipment and Setup for Queen Rearing: Elina L. Nino
- **SC202** Bee Biology for Queen Rearing: Elina L. Nino

**Break (Brandywine Foyer)**

#### 3:15-4:00
- **SC132** Products of the Hive: David Papke
- **SC181** Drop In Q&A or Take the Core Field Exam: Vince Aloyo
- **SC201** Bee Biology for Queen Rearing: Elina L. Nino
- **SC202** Equipment and Setup for Queen Rearing: Elina L. Nino

#### 4:15-5:00
- **SC122** Hive That Swarms: David Papke

---

**Weaver’s BUCKFAST & ITALIAN**

Queens — Queen Cells
Beginners Kits
Bee Supplies — Bee Books

***Order Online Now***

**www.rweaver.com**

*The R Weaver Apiaries, Inc.*
16495 C.R. 319
Navasota, TX 77868

Phone: 936.825.2333
FAX: 936.825.3642
E-mail: rweaver@rweaver.com
### Tuesday Morning Short Course Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Core Classes</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00-8:30</td>
<td>Morning Session: Breakfast for Dorm Residents (Lawrence)</td>
<td></td>
</tr>
<tr>
<td>8:00-9:45</td>
<td>SC102 ▾ Equipment &amp; Construction Mark Antunes</td>
<td>SC101</td>
</tr>
<tr>
<td></td>
<td>SC141 ▾ Noninfectious Disorders in the Hive Jim Bobb</td>
<td>SC151</td>
</tr>
<tr>
<td></td>
<td>SC181 ▾ Overview and History of Organic, Natural &amp; Biodynamic Beekeeping Ben Bowers</td>
<td>SC231</td>
</tr>
<tr>
<td></td>
<td>SC232</td>
<td>Soap-making &amp; Other Products Holly Halt</td>
</tr>
<tr>
<td>9:00-10:15</td>
<td>SC133 ▾ Honey Processing David Pope</td>
<td>SC162</td>
</tr>
<tr>
<td></td>
<td>SC142 ▾ Diseases Part 1—Infections Brood Diseases Vince Alayo</td>
<td>SC230</td>
</tr>
<tr>
<td></td>
<td>SC153 ▾ Drop-in QA or Take the Core Field Exam Vince Alayo</td>
<td>SC232</td>
</tr>
<tr>
<td></td>
<td>SC182 ▾ Beekeeping Techniques (Invest) Wahren Graham</td>
<td>SC401</td>
</tr>
<tr>
<td></td>
<td>SC143 ▾ Diseases Part 2—Parasites and Adult Bee Diseases Vince Alayo</td>
<td>SC233</td>
</tr>
<tr>
<td></td>
<td>SC192 ▾ Queen Rearing Techniques (Invest) Wahren Graham</td>
<td></td>
</tr>
</tbody>
</table>

### Tuesday Afternoon Short Course Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Core Classes</th>
<th>Electives</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30-2:15</td>
<td>SC123 ▾ Nuc, Splitting Hives, Combining Hives Mark Antunes</td>
<td>SC122</td>
</tr>
<tr>
<td></td>
<td>SC133 ▾ Honey Processing David Pope</td>
<td>SC191</td>
</tr>
<tr>
<td></td>
<td>SC151 ▾ Drop-in QA or Take the Core Field Exam</td>
<td>SC204</td>
</tr>
<tr>
<td></td>
<td>SC192 ▾ Three Steps to Heathier Bees Natural Size Cells, Proper Nutrition, and Local Genetics Adam Sobrulber</td>
<td>SC205</td>
</tr>
<tr>
<td>2:30-3:15</td>
<td>SC131 ▾ Feeding Bees Vince Alayo</td>
<td>SC401</td>
</tr>
<tr>
<td></td>
<td>SC152 ▾ Products of the Hive Steve Repasky</td>
<td></td>
</tr>
<tr>
<td>3:15-4:30</td>
<td>SC152 ▾ Core Certificate Test</td>
<td>SC193</td>
</tr>
<tr>
<td></td>
<td>SC193</td>
<td>SC401</td>
</tr>
<tr>
<td></td>
<td>SC193</td>
<td></td>
</tr>
<tr>
<td></td>
<td>SC401</td>
<td></td>
</tr>
</tbody>
</table>
## Wednesday Morning Conference & Short Course Schedule

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

## Wednesday Afternoon Conference & Short Course Schedule

### Making Peace & Places for Bees
- **1:30–2:00** The Value of Good Forage in Keeping healthy Bees
  - Zac Browning, Commercial Beekeeper
- **2:00–2:30** Caring for Bees in Managed Landscapes
  - Doug Tallamy, Professor and Author, University of Delaware
- **2:30–3:00** Honey Corridors in the Appalachians
  - Tammy Horn, Professor and Author, Eastern Kentucky University
- **3:00–3:30** Apiculture Services: Supporting Honeybees and Beekeepers
  - Chris Harp, Beekeeper

### Honey Bee Biology: A Deeper Understanding
- **1:30–2:00** How Honey Bees Live in the Wild
  - Tom Seeley, Professor and Author, Cornell University & Carter Lofthus
- **2:00–2:30** Bees Brain Gas: How Volatile Odor Molecules Influence Honey bee Behavior
  - Jay Hosiack, Assistant Professor of Entomology, Bucknell University
- **2:30–3:00** Colony Survival: What's the Latest with the WSSA
  - Wyatt Mangum, Scientist and Author, University of Maryland

### Breakouts (4:00–5:00)
- **4:00–5:00** Breakouts (See Below)
- **5:00–5:30** Panel Discussion: Making Peace & Places for Bees
  - Zac Browning, Tammy Horn, Chris Harp, Doug Tallamy
- **5:00–5:30** Panel Discussion: Honey Bee Biology
  - Tom Seeley, Jay Hosiack, Wyatt Mangum, Miguel Corcoran

---

**Well Bee-ing, Your Move.**

Wednesday night 7:30–9:00 Free event open to the public with a Kids Program by the PA Honey Queen. Join us for Well Bee-ing, Your Move! A program and conversation hosted by the Eastern Agriculture Society with Brian Snyder, Executive Director of the Pennsylvania Association for Sustainable Agriculture. Doug Tallamy, Professor and author of Saving Nature Home, and Dennis vanEngelsdorp, world renowned honey bee expert.

Sykes Theater. Kids program at Sykes 10A or lounge beside Sykes 10A.
# Thursday Morning Conference Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Building Better Bees</th>
<th>A Forager’s Challenge</th>
<th>Microscopy</th>
<th>Apitherapy</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00–8:30</td>
<td>Breakfast for Delegates (Lawrence)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 8:05–8:30  | Tech Transfer Teams: Working for Beekeepers  
Katie Lee, Tech Team; Bee Informed Partnership  
Jeff Pettis, USDA-ARS Research Leader | Worldwide Pollinator Decline:  
Beyond CCD  
Jeff Pettis, USDA-ARS Research Leader | M101 Introduction to Microscopy  
By Don Coates | Apitherapy Overview and Beekeeping  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |
| 8:35–9:05  | 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!  
Dianna Cox-Foster, Professor; Penn State Univ  
Jeff Pettis, USDA-ARS Research Leader | M209 American Balsam, in the Hive and Under the Scope  
Bart Smith | Pollen and Bee Bread  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |
| 9:05–9:30  | Factors in Raising Queen Health  
Jeff Pettis, USDA-ARS Research Leader | Food Resources: Safe Sex in Plants  
Andy Stevenson, Professor; Penn State Univ  
Jeff Pettis, USDA-ARS Research Leader | Propolis: Collection, Preparations, and Uses  
n Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |
| 9:30–10:00 | Break (Vendor Area) | Breakouts (See Below) | Bees Venom Therapy: Applications & Techniques: Advanced Consent Forms for people participating in afternoon Bee Venom Workshop  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |

### Breakouts (10:00–11:00)

- **Topic:** A Primer on Pharmacology & Pollination  
  **Location:** Main
- **Topic:** Factors in Raising Queen Health  
  **Location:** Sykes Theater
- **Topic:** Making Beekeepers Fit for the Future—Martin Mandell  
  **Location:** Sykes Theater
- **Topic:** M102 Worker Anatomy, Focus: Tracheal Mites, Elena Sammarone  
  **Location:** Merion 208
- **Topic:** Bee Venom Therapy: Applications & Techniques: Frederique Keller & Craig Byr, AAS  
  **Location:** Merion 113
- **Topic:** In the Apiary: Rob Currie & Kato Lee  
  **Location:** Apairy
- **Topic:** New Beekeeper USA in the Apairy: Bee Wranglers  
  **Location:** Apairy
- **Topic:** Hive Assessments: Katie Lee, Mike Alveras, Bee Team Leader  
  **Location:** Apairy

---

# Thursday Afternoon Conference Schedule

| Time       | Building Better Local Bee Populations  
Mike Palmer, Associate Professor and Extension Apiculturist, University of North Carolina | Innovative Outreach & Partnerships  
Mike Palmer, Associate Professor and Extension Apiculturist, University of North Carolina | Apitherapy  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |
|------------|---------------------------------------|-------------------------------------|---------------------------|
| 1:30–2:00  | How to Build Better Local Bee Populations  
Mike Palmer, Associate Professor and Extension Apiculturist, University of North Carolina | Innovative Outreach & Partnerships  
Mike Palmer, Associate Professor and Extension Apiculturist, University of North Carolina | Apitherapy  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |
| 2:00–2:30  | Thinking Beyond Your Apiary: Tools and Strategies for Improving the Neighborhood  
Mike Palmer, Beekeeper & Queen Breeder, VT  
Dan O’Hanson, Beekeeper, Queen Breeder & Judge, W,  
Troy Hall, Beekeeper & Queen Breeder, VT  
Troy Hall, Beekeeper & Queen Breeder, VT  
Troy Hall, Beekeeper & Queen Breeder, VT | Innovative Outreach & Partnerships  
Mike Palmer, Associate Professor and Extension Apiculturist, University of North Carolina | Apitherapy  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |
| 2:30–3:00  | The COLISS Network: A Global Approach to Improve Bee Health  
Vincent Diemand, Senior Research Scientist, Seibel Research Center | Innovative Outreach & Partnerships  
Mike Palmer, Associate Professor and Extension Apiculturist, University of North Carolina | Apitherapy  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |
| 3:00–3:30  | Break (Vendor Area) | Innovative Outreach & Partnerships  
Mike Palmer, Associate Professor and Extension Apiculturist, University of North Carolina | Apitherapy  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |
| 3:30–4:30  | Breakouts (See Below) | Innovative Outreach & Partnerships  
Mike Palmer, Associate Professor and Extension Apiculturist, University of North Carolina | Apitherapy  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |
| 4:45–5:30  | Panel Discussion: Queen Production  
Dave Targy, Mike Palmer, Warren Miller, Dan O’Hanson, Dennis Koenen, Troy Hall | Innovative Outreach & Partnerships  
Mike Palmer, Associate Professor and Extension Apiculturist, University of North Carolina | Apitherapy  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |
| 6:30–9:30  | Thursday Night Social, Live Auction, and Honey Show Award Ceremony  
Ticket Required | Innovative Outreach & Partnerships  
Mike Palmer, Associate Professor and Extension Apiculturist, University of North Carolina | Apitherapy  
Frederique Keller L. Ac., President AAS, Craig Byr, Board Member AAS |

---

### Breakouts (3:30–4:30)

- **Topic:** Blueprints for Building Better Local Bee Populations  
  **Location:** Sykes Theater
- **Topic:** M102 Worker Anatomy, Focus: Tracheal Mites, Elena Sammarone  
  **Location:** Merion 208
- **Topic:** The Colors of Propolis & Sake-making Workshop  
  **Location:** Merion 113
- **Topic:** Bee Lining in the Apiary: Tom Seeley  
  **Location:** Apairy
- **Topic:** Bee Wranglers  
  **Location:** Apairy
- **Topic:** Mead-making 101: Bob Talkiewicz  
  **Location:** Sykes 10A
### Friday Morning Conference Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>New Tools to Address New &amp; Old Problems</th>
<th>Beekeeping Around the World</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00–8:30</td>
<td>Breakfast for Dorm Residents (Lawrence)</td>
<td></td>
</tr>
<tr>
<td>8:00–8:30</td>
<td>Modeling as a Tool for Assessing Honey Bee Colony Health</td>
<td>Challenges Facing Beekeepers in the UK</td>
</tr>
<tr>
<td></td>
<td>Jim Frazier, Professor, Penn State University</td>
<td>Helen Thompson</td>
</tr>
<tr>
<td>8:30–9:00</td>
<td>What Can Genomics Teach Us about Honey Bee Health?</td>
<td>Traditional Beekeeping in Kenya: a Contributing Factor to Bee Health?</td>
</tr>
<tr>
<td></td>
<td>Christina Grozinger, Associate Professor, Penn State University</td>
<td>Elliod Muli</td>
</tr>
<tr>
<td>9:00–9:30</td>
<td>Recent Advances in Bee Risk Assessment in the EU</td>
<td>Keeping Bees Healthy in Europe</td>
</tr>
<tr>
<td></td>
<td>Helen Thompson</td>
<td>Vincent Dietemann</td>
</tr>
<tr>
<td>9:30–10:00</td>
<td>Break (Vendor Area)</td>
<td></td>
</tr>
<tr>
<td>10:00–10:30</td>
<td>A New Way of Looking at “Old” and “New” Mites</td>
<td>Can We Manage Problems Causing Colony Losses in Canada?</td>
</tr>
<tr>
<td></td>
<td>Diana Sammataro, Scientist, USDA</td>
<td>Rob Currie</td>
</tr>
<tr>
<td>10:30–11:00</td>
<td>Wax Cleaning</td>
<td>Coping with Africanized Bees &amp; Bee Mites in South and Central America</td>
</tr>
<tr>
<td></td>
<td>Joe Duffy</td>
<td>Dewey Caron</td>
</tr>
<tr>
<td>11:00–11:30</td>
<td>Invitation to EAS Kentucky, Tammy Horn, EAS 2014 President</td>
<td></td>
</tr>
<tr>
<td>11:30–Noon</td>
<td>EAS Annual Business Meeting</td>
<td></td>
</tr>
<tr>
<td>Noon–1:00</td>
<td>Lunch (Sykes)</td>
<td>Lunch (Sykes)</td>
</tr>
</tbody>
</table>

### Workshops

<table>
<thead>
<tr>
<th>Time</th>
<th>Honey Bees in Computers</th>
<th>Honey Bees in Culture</th>
<th>How To: Bees</th>
<th>How To: Products</th>
<th>Microscopy</th>
<th>Team Work</th>
<th>Apiary Work</th>
<th>Queen Rearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00–1:45</td>
<td>Anderson 001</td>
<td>Sykes 252</td>
<td>Merion 113</td>
<td>Sykes 10A</td>
<td>Merion 208</td>
<td>Merion 112</td>
<td>Apiary</td>
<td>Merion 109</td>
</tr>
<tr>
<td></td>
<td>A Decision Support System for Honey Bee Colony Management</td>
<td>Bruce Miller</td>
<td>Writing About Bees: An Interactive, Hands-on Breakout</td>
<td>Mark Winston</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00–2:45</td>
<td>Drawing on the Hive: How to Draw Comic Stories about Bees and Insects</td>
<td>Jay Hosler</td>
<td>Performing Hive Assessments</td>
<td>Katie Lee</td>
<td>M201</td>
<td>M230</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Let’s Do It Together</td>
<td>Bob Talkiewicz</td>
<td>M201 Microscopes and the Beekeeper</td>
<td>Don Cosbounds</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:45–3:15</td>
<td>Break (Honey Show Area in Sykes)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:15–4:00</td>
<td>A Decision Support System for Honey Bee Colony Management</td>
<td>Bruce Miller</td>
<td>Beeconomy: What Women and Bees Teach Us about Local Trade and Global Markets</td>
<td>Tammy Horn</td>
<td>M240</td>
<td>M205</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Top-Bar Hive Beekeeping: Financially Sustainable</td>
<td>Top-Bar Hive Beekeeping: Financially Sustainable</td>
<td>Making Comb Honey</td>
<td>Herman Danenhower</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:15–5:30</td>
<td>Master Beekeeper Exam Review - Dewey Caron</td>
<td>Top-Bar Hive Beekeeping: Financially Sustainable</td>
<td>Making Candles Fit for the Pope</td>
<td>Martin Marklin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Top-Bar Hive Beekeeping: Financially Sustainable</td>
<td>Bee Partners; Kenyan and U.S. Beekeepers</td>
<td>Elliod Muli &amp; Maryann Frazier</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Friday Afternoon Conference Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00–1:45</td>
<td>A Decision Support System for Honey Bee Colony Management</td>
</tr>
<tr>
<td></td>
<td>Beeconomy: What Women and Bees Teach Us about Local Trade and Global Markets</td>
</tr>
<tr>
<td>2:00–2:45</td>
<td>Making Comb Honey</td>
</tr>
<tr>
<td></td>
<td>Marketing for Small Scale/ Sideline Beekeepers</td>
</tr>
<tr>
<td>3:15–4:00</td>
<td>Making Candles Fit for the Pope</td>
</tr>
<tr>
<td></td>
<td>Bees Partners; Kenyan and U.S. Beekeepers</td>
</tr>
<tr>
<td>4:15–5:30</td>
<td>Top-Bar Hive Beekeeping: Financially Sustainable</td>
</tr>
<tr>
<td></td>
<td>Honey Bee Microbiota</td>
</tr>
<tr>
<td></td>
<td>Paul Niemczura</td>
</tr>
</tbody>
</table>
Apitherapy Symposium
Thursday, August 8, 2013 8:00 a.m. - 5:30 p.m.

You likely know something about acupuncture, but have you heard about apitherapy, which therapeutically combines acupuncture and bee venom? Do you know that honey bees make a “glue” called propolis that has antibiotic properties? Have you heard that honey and honey bee collected pollen may reduce allergic responses to pollen? The President of the American Apitherapy Society (AAS), Frederique Keller, DOM, L.Ac, will speak about therapeutic uses of honey bee products and conduct two workshops at West Chester University on August 8, 2013, as one component of the meeting of the Eastern Apicultural Society’s (EAS) annual meeting. Holding a Masters of Science degree in Oriental Medicine and a license in Acupuncture, Frederique Keller will share her knowledge and experience in honey bee related therapies. Come and see a demonstration of bee venom therapy and make a jar of propolis-containing salve to take home!

The cost for the Thursday event is $65 plus membership in either EAS ($25) or AAS. Registrants may attend the apitherapy classes and any other beekeeping session taking place that day. Registration options can be found at the “Registration is Open” option on www.easternapiculture.org. The onsite registration desk opens at 7:00 a.m. For more information contact Greg Fariss at treasurer@easternapiculture.org or 336-998-2975.

Apitherapy Schedule
8:00 Apitherapy Overview and Beekeeping – Frederique Keller L. Ac., President AAS, Craig Byer, Board Member AAS
8:30 Pollen and Bee Bread – Frederique Keller L. Ac., President AAS, Craig Byer, Board Member AAS
9:00 Propolis: Collection, Preparations, and Indications – Frederique Keller L. Ac., President AAS, Craig Byer, Board Member AAS
9:30 Break
10:00 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
11:30 Noon Lunch Break
1:30 Bee Venom Therapy Practical Demonstration – Frederique Keller L. Ac., President AAS, Craig Byer, Board Member AAS
3:00 Break (vendor Area)
3:30 The Colors of Propolis & Salve-making – Frederique Keller L. Ac., President AAS, Craig Byer, Board Member AAS

Ellen Codd, author of this article, is active in the Montgomery County Beekeepers Association and has made her mark in the pharmaceutical world, looking for new medicines for pain, and is working with academics who want to bring medicines to third-world countries. She first became a beekeeper as a prerequisite to dating her husband, Vince, and has been alleviating his pain ever since.

Manufacturers of Quality Apiary Woodenware
MADE IN THE USA
BY BEEKEEPERS FOR BEEKEEPERS
Frames – Boxes – Telescoping covers – Inner covers – Bottom Boards
Hive stands – 8 Frame Equipment

Reduced Price on Budget 5-1/16" Boxes While Supplies Last.
We Now Have Reversible Screened Bottom Boards

Frames:
*Full 3/8" sidebar
*Groove and Wedge top bars
*Groove bottom bars only
*Interlocking top & bottom bars
*Available in Commercial & Budget grade

Boxes:
5, 8 & 10 Frame in four standard sizes
*Authentic Box Joint
*Predrilled
*E-Z grip 6” hand holes
*Available in Select, Commercial & Budget grade

Visa & Mastercard accepted
Call toll free 1-877-4BEE BOX (877-423-3269) or 207-549-5501
Fax# 207-549-5512
email: humbleabodes@prexar.com
www.humbleabodesinc.com

CALL FOR PRICING AND AVAILABILITY
All orders quoted FOB Windsor, Maine

Roger Morse Teaching/Extension/Regulatory Award 2013 Recipient

Don Hopkins became interested in bees at the age of 5, when beekeeper Dave Pruden was also the bread delivery driver in his neighborhood. He didn’t get a hive until he was nine or ten, but he has kept bees almost continuously since then. He joined the Morris County Beekeepers Association as a junior member, as well as the Somerset County 4-H Beekeeping Club. During his early years as a youth beekeeper he was inspired by New Jersey State Apiculturist Jack Matthenius. As a senior member of the Morris county organization he served as program chair and then president of the MCSBA in the early 80s. He attended his first EAS meeting in Wooster Ohio in 1978.

After moving to North Carolina in 1988, Don started working for the NC Department of Agriculture in 1989 as a bee inspector. In 1994, he became the NCDAC&CS State Apiarist. Joined the Apiary Inspectors of America in 1995. He was president of AIA in 2000 and 2010. At EAS, Don has presented several workshops, primarily on bee diseases. His primary interest is honey bee health and biology, as well as the interactions between the bees and other organisms.

Don has been on many volunteer projects to educate and learn from beekeepers in other countries. His trips to Bolivia have given him experience with Africanized Honey Bees and insight as to how the beekeepers there manage the bees.

Education
• 1966 Graduated Bernards High School (NJ)
• 1970 Graduated from Wagner College (NY)

Work Experience
• 1994-present NCDAC&CS State Apiarist
• 1989-1994 NCDAC&CS honey bee inspector
• 1989-1994 NCDAC&CS honey bee inspector
• Saddler at Beval Saddlery in Gladstone, NJ

Farmer to Farmer Volunteer Trips
• 1999,2000,2001 Winrock sponsored beekeeping assignment in Bolivia
• June 2002, FTF Workshop in Guatemala and beekeeping assignment in Bolivia
• January2003, POA beekeeping assignment in Bolivia
• May 2003, POA beekeeping assignment in Bolivia
• February 2004, POA beekeeping assignment in Bolivia
• February 2005, POA beekeeping assignment in Bolivia
• December 2005, POA beekeeping assignment in Haiti
• June 2006, POA beekeeping assignment in Haiti
• May 2007, POA beekeeping assignment in Haiti
• July 2008, POA beekeeping assignment in Haiti
• August 2009, POA beekeeping assignment in Haiti
• 2009 beekeeping assignment in Bolivia, sponsored by Bella (a Danish funding agency)
• February 2011, POA beekeeping assignment in Bolivia
• December 2011, POA beekeeping assignment in Bolivia
• February 2013, POA beekeeping assignment in Bolivia
The start of summer is here and we’re just weeks away from the EAS Annual Conference at Pennsylvania’s West Chester University. I’m happy to report that my first attempt at a colony split with swarm cells in May was confirmed as a success by inspection on June 8 and it looks like I might get a better than average honey crop too. If you’ve been fortunate this year with productive bees and/or you need to exercise your creative spirit, I hope that you will prepare and enter your best honey, beeswax or other honey bee-related products in one or more of our 9 competitive shows. Without any extra effort you will have additional opportunities to be a Sweepstakes winner (for the highest number and level of wins overall) and/or be a ‘Best of Show’ winner. In all, there are 245 awards up for grabs this summer. How many awards will you bring home?

Can you bake or do you make candy with honey? Last year, some Honey Cookery classes had no entries – an instant win had anyone entered even a single entry in an empty class! Go ahead, get creative!

First, visit the EAS website and carefully read or download a printable copy of the Show Rules at (www.easternapiculture.org/conferences/eas-2013/2013-honey-show.html).

Next, be sure to check-out the informative training videos and other helpful resources for preparing award-winning Show entries on the EAS website.

Finally, bring your entries to the ‘Common Grounds’ room on the main (1st floor) of the Sykes Student Union Center at West Chester University:

**Drop Off Show Entries**
Tuesday, August 6 - 1:30-4:30 p.m.
Wednesday, August 7 - 10:30 a.m.—noon & 1:30 – 3:00 p.m.
Awards will be announced on Thursday, August 8
Post-Show Pick Up of Entries Friday After 3:15 p.m.

Below is the list of Shows and their respective classes:

1. Extracted Honey – White, Light, Lt Amber, Amber, Dark, Creamed
2. Black Jar (Honey) – Any color honey, opaque jar, best taste
3. Comb Honey – Section Box, Cut Comb, Circular Section, Chunk, Frame of Honey
4. Beeswax - Single piece, Dipped candles, Molded candles, Novelty candles
5. Mead & Honey Beer – Dry, Sweet, Sparkling or Fruit Mead & Lt./Med. Mead, Dry & Braggot Honey Beer
6. Arts & Crafts – Gift arrangement, Sewing or needlepoint, Novelty beeswax, Misc
7. Photography – Close-up, Scenic, Portrait, Essay
8. Gadget Show – Large & Small Devices
9. Honey Cookery – Cookies, Bars/Brownies, Cake, Yeast Bread, Yeast Rolls, Muffins, Candy

**Sweepstakes** (the highest number and level of wins overall)

Best of Shows
In addition to class-specific ribbon awards (1st to 6th ‘places’), each of the 9 “show” category winners will receive a “Best of…” engraved Reed & Barton silver plate award. The Sweepstakes winner will also receive a Reed & Barton silver plate. The overall “Best of Show” winner will receive a beautiful Reed & Barton silver bowl in the Paul Revere style.

Please thank and support our generous award sponsors by patronizing their businesses whenever you can!

- Extracted Honey – Dutch Gold Honey (Lancaster, PA); Black Jar (Honey) – Montgomery County Beekeepers Association (PA); Comb Honey – Walter T. Kelley Company (Clarkson, KY); Beeswax – Bee Culture Magazine (Medina, OH); Mead & Honey Beer – Allagash Brewing Company, Inc. (Portland, ME); Arts & Crafts – Maine State Beekeepers Association; Photography – American Bee Journal (Hamilton, IL); Gadget Show – Brushy Mountain Bee Farm (Moravian Falls, NC & New Columbia, PA); Honey Cookery – TBD; Sweepstakes – Pennsylvania State Beekeepers Association; Best of Show – Hamburger Apries (Lewisburg, PA).

Please note that if you use a Gamber Classic jar when entering the liquid honey categories and win 1st place, you’ll receive a $100 Gamber Container gift certificate! If you win 2nd place, you’ll receive a $50 Gamber Container gift certificate. This is a change from past years when our good friends at Gamber offered a U.S. Savings Bond in each of these categories.

If you’re just not the competitive type, then please feel free to volunteer as a honey show assistant. Our exhibit space will be in a prominent and dedicated area within the Sykes Student Union building, the “EAS Central” at West Chester University. You can share your creative ideas for making our exhibit space an exciting and attractive spot for showcasing all Honey Show entries by sending an e-mail to EASHoneyshow2013@gmail.com.

We also need to find or create display stands and shelving that will support and present a wide variety of entry types for easy public viewing; please e-mail your ideas or to volunteer your creative skills. You can also send an e-mail to volunteer to assist with entry management, to set-up, stage and/or break-down the exhibit area, to assist our judges with entry logistics, or to help maintain exhibit space security. Again send an e-mail to EASHoneyshow2013@gmail.com to share your ideas, to volunteer your creative skills, or to assist on-site in August.

Enjoy the Shows and Good Luck!

Brian Marcy is Vice President of the Montgomery County Beekeepers Association and is very active in PA State beekeeping. When he is not tending to his bees, Brian manages investigational drug studies for the US subsidiary of an Osaka-based (Japan) pharmaceutical company. See him tasting all of the mead in the honey show at EAS 2013.
A Local Approach to Queen Rearing and Bee Breeding

Winter colony losses were at an all-time high this past year and chances are you were affected as well. Queen failure, disease, and mites are being cited as some of the main culprits. A potential long-term sustainable solution for these problems is the development of high quality breeding programs aimed at producing pathogen- and pest-resistant honey bee stocks. Anecdotal evidence suggests that locally bred bees are better adapted to the local climate and therefore are more successful survivors. Researchers at the PA State are committed to developing beekeeping approaches, including the development of local breeding programs that will help support beekeepers in PA and across the U.S. in overcoming these problems.

In 2012 Penn State researchers and PA beekeepers initiated a collaborative effort to startup the PA Queen Breeding Program. Currently, many beekeepers are involved with evaluating different honey bee stocks for several characteristics including honey and brood production and overwintering success. The Center for Pollinator Research at Penn State is further supporting these efforts by offering an annual queen rearing workshop headed by Maryann Frazier (2011 EAS Roger A. Morse Teaching/Extension/Regulatory Award winner), Christina Grozinger (2013 EAS Hambleton Award winner), Elina L. Niño (2011 EAS Student Award winner) and Bernardo Niño with the support from local beekeepers Warren Miller and Stephen Repasky. This June marked the third year of yet another very successful workshop thus far attended by beekeepers from PA, NJ and NY. We are eager to present to you a condensed version of this workshop at this year’s EAS meeting.

Queen Rearing electives Monday will be led by Elina L. Niño and Bernardo Niño who have combined over 10 years of queen rearing experience. The session will start with the discussion of bee biology for queen rearing. This lecture will provide essential information about queen, worker and drone development, queen mating biology, basics of selective breeding programs, as well as practical advice that will ensure your queen rearing attempts are successful. The class will then move into the apiary where there will be a demonstration and discussion of various queen rearing equipment and setups including starter and finisher colonies and Cloake board method. The rest of the afternoon will be devoted to the Doolittle grafting method and the participants will have ample time to learn and practice grafting skills with larvae from a few different bee stocks. On Tuesday there will be an opportunity to check the grafting results and interested participants can take their successfully grafted queen cells home with them. Friday’s Queen Rearing breakout sessions will be a shortened version of the Monday and Tuesday classes. The ability to rear queens will not only eliminate your dependence on buying outside queens in the spring but if you requeen your hives in the summer with your own queens you are likely to improve colony spring build-up.

Lastly, within the scope of the USDA-funded postdoctoral fellowship to Dr. Niño a survey is underway to better understand what beekeepers think about the importance of developing local bee breeding/queen rearing programs for honey bee stock improvement and to learn about what you think would make these programs work for you. Preliminary data confirms that PA beekeepers believe locally bred queens have the potential to be of better quality and they support the idea of creating a state-wide bee breeding program. While many said time constraints would not allow them to participate directly the majority understand the value and would support the program by purchasing queens from the participating queen breeders. If you receive this survey in the mail we hope that you will take 10 minutes to complete it. Please remember that the results of this survey will help us further develop solid guidelines for developing local breeding programs that will likely benefit you and other beekeepers in PA and across the nation. The results will be made available to all beekeepers online at the Center for Pollinator Research website (http://ento.psu.edu/pollinators) and the Grozinger Laboratory website (http://grozingerlab.com/).

You can see honey bees are keeping us busy and we are buzzing with excitement about the chance to provide you with the tools that will enable you to start rearing queens. We can’t wait to share our experiences with you in West Chester, PA!

Elina Lastro Niño

From The Editor –

I’m looking forward to seeing all of you at West Chester. It’s going to be a good conference. Our 2013 President, Linda Betlejeski and her team have put together an excellent Short Course and Conference. They also have some excellent Social Activities going on for us during the week. Take a close look at all of the information in this Journal.

If you’re still thinking about entering the Annual Show you can find all of the rules posted on the EAS web page at www.easternapiculture.org. Take a look. You’ve still got time.

Have you considered being a Director to represent your state or province. Take a look at the list on Page 23 and see if your state has a vacancy or a term that is expiring soon. If you think you might be interested talk to some of our board members to get an idea of what’s involved. Any of us can answer your questions. You are also welcome to attend the Board Meeting which will take place Tuesday night at the Conference. Check your program book for time and location.

EAS is also looking for candidates for the Chairman’s position. Jim Bobb’s second term will end in 2015. My term as Vice Chairman also ends then. We need to start the process soon of entertaining candidates. So if you think you might want this job, or you have someone else in mind that you think would be a Chairman, please talk to myself or Jim while we’re in West Chester. We’ll be happy to answer any of your questions the best we can.

EAS 2014 will be held at Eastern Kentucky University. Tammy Horn will be our president. I’ll be visiting her soon and talking to the folks at the school working out the details for next year. Tammy has Kent Williams and Phil Craft on her team along with a whole team of other volunteers. They are already hard at work preparing for next year. It will be good to be back in the South.

We visited the University of Guelph which is the site for EAS 2015. Doug McRory is our president for that conference. He already has a team in place and they are working on their program. Their well known Tech Transfer Team will be a big part of the Short Course and Conference.

Perhaps your state would like to host an upcoming EAS. I’d be happy to talk with you about what it takes to run a Short Course and Conference.

Kathy Summers, Editor
the END OF SUMMER SALE!

ITEMS YOU NEED

PRICES YOU WANT

Wooden Ware • Harvesting & Extracting • Bottling Tools • Candle & Soap Making • Education

Don’t miss out on Great Deals & Huge Savings!

Find these incredible savings at www.BrushyMountainBeeFarm.com or Call 1-800-233-7929 and place your order.

Serving the Industry for more than 30 Years

Brushy Mountain Bee Farm
BEST QUALITY | BEST SERVICE | BEST SUPPORT
“I want to give you a hoe that will never wear out,” were words spoken to Elliud Muli as a boy in Kenya by his mother an elementary school teacher. The hoe she was referring to, education. Dr. Elliud Muli is now a faculty member at South East Kenyan University, a honey bee specialist with the International Center for Insect Physiology and Ecology (icipe) in Nairobi and a featured speaker at this year's conference. In this spirit, we have built the EAS 2013 program to provide you with educational opportunities that will “never wear out” and benefit you in your growth as a beekeeper and beyond.

The conference program will be kicked off Wednesday morning by two very special keynote speakers; one probably new to most of you, the other an “old” friend. Brian Snyder is the dynamic executive director of the Pennsylvania Association for Sustainable Agriculture (PASA), the largest statewide, member-based sustainable farming organization in the United States. Mark Winston is a past honey bee researcher, EAS award winner and author of several books, including Biology of the Honey Bee, still likely the best text on the subject. Wednesday morning will also feature presentations by this year’s award winners, Dr. Christina Grozinger of Penn State University, recipient of the James I. Hambleton Award and Don Hopkins of the North Carolina Department of Agriculture, recipient of the Roger A. Morse Outstanding Teaching/Extension Service/Regulatory award.

Interaction and ACTION

The conference schedule is broken into nine symposia or sessions focusing on the these topics: Making Peace and Places for Bees; Honey Bee Biology, a Deeper Understanding; Building Better Bees; A Forager’s Challenge; Apitherapy; Building Better Local Bee Populations; Innovative Outreach and Partnerships; New Tools to Address New and Old Problems and Beekeeping Around the World. Two symposia at a time will be going on concurrently through the conference. In addition, a special session on Apitherapy will take place all day Thursday, offering attendees a third choice. All of the symposia feature renowned researchers, beekeepers, and educators from across the US and the world (Canada, United Kingdom, Kenya and Switzerland). During each symposium, three to four speakers will make presentations followed by a break and then a breakout session. These breakout sessions will include topics related to the symposia (as well as other unrelated topics). Most symposia will then conclude with an interactive group discussion involving the speakers and audience. The goal of these discussions is to generate a summary statement for the symposium and two or three action items that can be promoted, endorsed, and acted on by EAS, as an organization, and we, the membership. There will be a scribe present in each symposium to record the summary statements and action items, and these will be shared in the next EAS journal.

Plethora of Choices

The Friday afternoon program will be made up of 28 exciting and diverse workshops ranging from making candles fit for the Pope, to writing and drawing cartoons about bees, not to mention making mead, grafting, and managing top bar hives, just to name a few. These will take place in a variety of settings including a computer lab, the apiary, science labs and meeting rooms. The challenge you face is deciding which four of the 28 sessions to attend!

It’s all about the Bees

And the survey says... “more time in the apiary please”. We hear you. During the Wednesday and Thursday breakout sessions, bee wranglers will be stationed in the apiary to assist any new beekeeper in learning basic inspection techniques and management practices. Have you ever wondered how Jeff Pettis or Zac Browning keep bees from swarming? Or Tom Seeley does bee-lining? Now is your chance to find out! During the breakout sessions your favorite honey bee specialist will be on hand in the apiary to share their bee behavior and management knowledge with you. Friday workshops in the apiary will also cover a range of topics; including Katie Lee, demonstrating hive assessment techniques; and Elina L. Niño and Bernardo Niño demonstrating grafting and discussing queen rearing.

Maryann Frazier is the extension specialist for all beekeepers in Pennsylvania, and active in much of the mid-Atlantic region. You can find her in Adams County studying pollinators visiting apple blooms, in Centre County evaluating queen stocks, and in the lab studying pesticide residue in nectar, wax, pollen, and bee bodies. At EAS, watch Maryann as she coolly balances all of the many speakers and sessions that she has planned for your education and enjoyment.

So don’t delay, register today, don’t make us pester! See you in August when we all swarm to West Chester!

Maryann Frazier is the extension specialist for all beekeepers in Pennsylvania, and active in much of the mid-Atlantic region. You can find her in Adams County studying pollinators visiting apple blooms, in Centre County evaluating queen stocks, and in the lab studying pesticide residue in nectar, wax, pollen, and bee bodies. At EAS, watch Maryann as she coolly balances all of the many speakers and sessions that she has planned for your education and enjoyment.

Be an EAS 2013 Sponsor

Why not be an EAS 2013 booster and place your name or a comment in the Program Booklet?
We all have mentors or that person that got you started in beekeeping; why not honor that person by mentioning them in the EAS 2013 program booklet? Or, promote your business? Here are some of our current sponsors.

Queen Sponsors:
  Supporting OUR EAS - Thompson Apiaries LLC, North Potomac, MD. - Barry H and Jo Ann Thompson
  Thank you PA for hosting a great EAS conference. Bonita and Dan Conlon
  I get a buzz to bee here. – Bryan Shanks and Linda Shanks

Worker Sponsor:
To Healthy Bees – David Meldrum
Jeff Burd, EAS Director, Sponsor, & Volunteer

There are two levels of sponsorship, the queen and worker level – the suggested donation is $50 and $25, respectively.
You can include your sponsorship on the registration form or online at www.easternapiculture.org.

Many Thanks for Another Terrific Conference.
Christopher Yates

Many Thanks for Another Terrific Conference.
Christopher Yates

Worker Sponsor:
To Healthy Bees – David Meldrum
Jeff Burd, EAS Director, Sponsor, & Volunteer

There are two levels of sponsorship, the queen and worker level – the suggested donation is $50 and $25, respectively.
You can include your sponsorship on the registration form or online at www.easternapiculture.org.
ATTENTION: You may register on-line with a credit card at www.easternapiculture.org
DO NOT MAIL REGISTRATION FORM AFTER JULY 15       BRING COMPLETED FORM TO EAS 2013

Name(s) ____________________________________________________________
Address ____________________________________ City ___________________________
State/Prov ___________________ Zip/Post Code _____________ Country _________________
Phone ________________________ E-mail ______________________________ @ _______________

Do you want to receive the quarterly EAS Journal by email? □ or by postal mail (available for annual membership only)? □

EAS DUES – must be current to attend this conference. (Dues include entire family.)
1. □ $25 Annual □ $45 / 2-Year □ $65 / 3-Year □ $250 Life Membership $___________

REGISTRATION
2. SHORT COURSE & CONFERENCE
   All five days for one price!
   Name(s) ____________________________________________________________
   # of people ___ X $250 = $___________

3. SHORT COURSE Only
   Three Days Course (Mon – Wed, August 5 – 7)
   Name(s) ____________________________________________________________
   # of people ___ X $175 = $___________

4. CONFERENCE Only
   Three Days Conference (Wed – Fri, August 7 – 9)
   Name(s) ____________________________________________________________
   # of people ___ X $175 = $___________

5. SINGLE DAY FEE (Please specify days) □ Mon □ Tues □ Wed □ Thur □ Fri
   Name(s) ____________________________________________________________
   # of days ___ X # of people ___ X $65 = $___________

6. STUDENT FEE (Please specify days) □ Mon □ Tues □ Wed □ Thur □ Fri
   Show high school or college ID at registration. Students under 18 must be accompanied by an adult.
   Name(s) ____________________________________________________________
   # of days ___ X # of people ___ X $20 = $___________

SPECIAL SHORT COURSE OPTIONS (Included in Short Course—No extra charge.)
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ ^
DORM ROOMS
Rooms are air-conditioned. PRICE INCLUDES BREAKFAST. Each room has linen & 2 twin beds.

8. Single: Sun ____ Mon ____ Tues ____ Wed ____ Thur ____ Fri ____
   # of nights ____ X # of rooms ____ X $54 = $ __________

9. Double: Sun ____ Mon ____ Tues ____ Wed ____ Thur ____ Fri ____
   # of nights ____ X # of rooms ____ X $84 = $ __________

Please list the name of your roommate. If you are sharing a room with someone who is registering separately, only one of you needs to pay the $84, but we need the name so the correct room assignment can be made. ______________________________________

SPECIAL EVENTS
Children under 18 must be accompanied by an adult at Special Events. Reserve these events early, as tickets are sold on a first requested basis. Many of the events have maximum capacities. Take advantage of these great opportunities to socialize with many of the speakers and fellow beekeepers.

10. WEDNESDAY NIGHT SOCIAL at Brandywine Picnic Park
   Join us for a Great American Picnic on the banks of historic Brandywine Creek
   (See www.picnic.com.) # of people ____ X $25 = $ __________

11. THURSDAY NIGHT SOCIAL & AUCTION: A Taste of Chester County at The Red Clay Room
   Kennett Square is known as the Mushroom Capital of the World
   Indicate # of each entrée: Honey-glazed Salmon ____ Balsamic Chicken ____
   (See www.redclayroom.com/social.htm.) # of people ____ X $35 = $ __________

12. FRIDAY NIGHT ANNUAL BANQUET at West Chester University Ballroom
    # of people ____ X $40 = $ __________
    Dietary restrictions for Annual Banquet are accommodated upon request. Describe any restrictions.
    Name(s) _________________________ Restrictions ___________________________

13. SATURDAY ALL-DAY PICNIC at Morris Arboretum
    Urban Hive Tour followed by PSBA Picnic, Mead Reception, & Hive Opening
    (See www.business-services.upenn.edu/arboretum/index.shtml) Preregistration requested for planning
    # of people ___ FREE!

CHARITABLE DONATIONS (EAS is a 501(c)(3) nonprofit organization.)
14. Donation to Honey Bee Research Fund (help us help honey bees) $ _________
15. Donation to Speaker & Education Fund (help us help beekeepers) $ _________
16. Be an EAS 2013 Sponsor (Place a comment in the EAS 2013 Program)

   Please limit each message to 50 characters
   □ Queen Level Sponsor $50 $ _________
   □ Worker Level Sponsor $25 $ _________
   Message ______________________________________________________

Page 2 Subtotal (Sum up the values in the lines above) $ _________

Page 1 Subtotal $ _________

GRAND TOTAL (Sum of Page 1 & 2 Subtotals) $ _________

Mail this form with check, made payable to EAS 2013, or credit card information to:
EAS 2013—Greg Fariss, 142 Cemetery Road, Mocksville, NC 27028
Name on Card ____________________________
Master Card or VISA # ________________________
Expiration Date ____/____ 3-digit code on back of card _____________
Signature ___________________________________

You can also register online with a credit card at www.easternapiculture.org.

Please list any suggestions or restrictions that we should know about, to ensure an enjoyable experience at EAS 2013: ________________________________

Registration questions? Call Greg Fariss at 336-998-2975 or email treasurer@easternapiculture.org.
EAS Fun and Fund Raising Opportunity
Iron Hill Brewery and Restaurant in downtown West Chester, who is already working together with the EAS by making a special Honey Ale to serve during the conference and at our Wednesday Evening Picnic, has offered another way to enjoy the conference and support EAS.

Iron Hill has a promotional program called GIVE20, so if anyone from the conference eats at the Iron Hill Restaurant on Tuesday August 6th, 20% of the food portion of your bill will be donated back to the EAS.

This gives everyone a fun way to enjoy your Tuesday evening and get to know the town of West Chester a little better prior to the conference swinging into high gear.

Make sure you ask at the registration desk and get details and your coupon so you can spend more time with your beekeeping friends over a nice meal and support beekeeping at the same time!

Thursday Night Social and Auction
As part of your overall EAS experience, please attend the Thursday Evening Social and Auction. It will be held Thursday evening, August 8, from 6:30 PM to 9:30 PM at the Red Clay Room (www.redclayroom.com/home.htm), 423 Dalmatian St., Kennett Square, PA, 19348. Please purchase a ticket through preregistration; if you still need to buy a ticket after preregistration closes, contact the folks at the registration desk. Please bring your ticket to the dinner.

On the menu for Thursday evening will be a choice of Honey Dijon Salmon or Honey Balsamic Chicken. As Kennett Square is considered the Mushroom Capital of the World, we’ll be sure to have excellent mushroom soup and mushrooms accompanying other parts of our meal.

After dinner, we’ll have the live auction and I am looking forward to the entertainment and assistance of a professional auctioneer to make the evening go well. If you wish to donate items for the auction and this can include beekeeping-related items as well as general items of high quality that will be of interest to others, contact Linda Betlejeski, president@easteriapiculture.org or 610.993.7511.

Part of the decision to locate this banquet in Kennett Square was to encourage people to go out for a brief drive in the beautiful Chester County countryside. I can recommend that you set your GPS for the address given above so you will ultimately be taken directly to the banquet location, but try to override your GPS at the beginning and start out your trip in one of two ways:

1. Leaving West Chester borough via Rt 52 South takes you through some interesting countryside and past the picnic park where the Wednesday evening picnic was the night before; or, better yet,
2. Travel south from West Chester on Rt 202 and then after about two miles, turn west on Rt 926 – this is my favorite route for scenic countryside.

If you have extra time while taking the 926 route, turn at the intersection onto Rt 100 South. You’ll travel a winding road next to the Brandywine River and after two or three miles, you can see the late Andrew Wyeth’s homestead – it looks exactly like one of his paintings and is located near some power lines as a further reference point. Continue south on Rt 100 make a right at the intersection of Rt 1 South and you will be heading to the Red Clay Room.

Jeff Bryer keeps 40 beehives in Chester County and is hoping the current honey flow lasts long enough to fill up a few more supers! Whatever happens, the supers will be extracted long before EAS!

Train-the-Trainer
How to teach beekeeping – not what to teach
EAS Short Course
Tuesday, August 6, 2013; 8:00 am – 4:30 pm
This session is full, but you may put your name on a waiting list.

As beekeeping has increased in popularity along with its positive public perception, the demand for beekeeper education – particularly at the beginner level – has never been greater. One chokepoint in beekeeper education has been the small supply of good beekeeping teachers who can provide quality educational experiences.

The goal of this program is to provide training in how to conduct an efficient bee school. This will help improve content delivery, maximize student learning, and promote beekeeping. The intent of this workshop is to learn how to teach effectively, leaving it up to each individual instructor what to teach. In short, this workshop is not about what to teach, but how to teach it.

Lectures will include: the right mixture of theory and practice; what makes a bad presentation; teaching young beekeepers; using the BEES network in your bee school; crafting a test; and putting it all together.

In the all-day training and workshops you will:
• Learn various tips and techniques about improving content delivery
• Gain experience in applying some of the more common techniques for teaching beekeeping
• Become confident in being able to develop a curriculum for beekeeper education at any level of expertise
• Discuss with other bee school instructors potential pitfalls in conducting a bee school and means by which they can be avoided or overcome

Preregistration is required for the limited number of seats. The workshop is comprehensive so that all participants are expected to remain through the entire day. Priority will be given to those who have or plan to conduct a beginner bee school so that we can learn from each other about what works, what doesn’t, and what to expect from many different perspectives.

Feel free to bring along a syllabus to critique and discuss with others.

Instructors will be David R. Tarpy, Program Director & Extension Apiculturist, NC State; Bill Mares, EAS Education Committee Chairman; Dewey Caron, EAS Chairman Emeritus; and Carol Cottrill, EAS Master Beekeeper.

Bill Mares is the immediate past president of EAS and the Vermont Beekeepers Association. His organization and skill produced one of the finest and most well-attended conference in decades. Bill co-chairs the EAS Education Committee. Seek him out at EAS 2013 for his wit and pith.

David Tarpy hails from Pennsylvania, although he is now famous for his queen biology and other research at North Carolina State University. After building one of the largest and most successful state master beekeeper organizations, he has recently developed an online education platform called BEES. See David online or in person at EAS 2013.

Bill Mares is the immediate past president of EAS and the Vermont Beekeepers Association. His organization and skill produced one of the finest and most well-attended conference in decades. Bill co-chairs the EAS Education Committee. Seek him out at EAS 2013 for his wit and pith.

David Tarpy hails from Pennsylvania, although he is now famous for his queen biology and other research at North Carolina State University. After building one of the largest and most successful state master beekeeper organizations, he has recently developed an online education platform called BEES. See David online or in person at EAS 2013.
Welcome to My Backyard Part II

You are guaranteed to have plenty to do in the Philadelphia area! In my previous article, I mentioned a few of my favorite places in Philly, but I can always add more to the list.

Walking in the gardens of the Morris Arboretum is a wonderful way to spend an afternoon. Just a short drive from Chestnut Hill, this arboretum has 92-acres of gorgeous plants.

If you are willing to drive a little farther out of Philadelphia, Longwood Gardens is a must see attraction. Exhibiting plants from all over the world, Longwood Gardens includes a 4-acre Conservatory and 1,077 acres of outdoor gardens. My family always enjoys beginning our day there walking through the many rooms of the conservatory. We find the main hall and orchid displays particularly breathtaking. Longwood Gardens also keeps its guests entertained with fountain displays and summer concerts.

Located about a half hour from Philadelphia, Valley Forge Historical Park is an attraction that is very important to our country's history. This is where General George Washington trained the Continental Army into fighting shape during the winter of 1777-1778. The refurbished visitor center is currently featuring a new exhibit called “Determined to Persevere” which displays a collection of Revolutionary War artifacts. You can walk around Valley Forge’s 3,600 acres of picturesque landscape and visit refurbished buildings such as General Washington’s original headquarters. Valley Forge also includes wonderful recreational facilities such as picnic areas, a six-mile long trail and various horse trails.

We are lucky to have a variety of wonderful museums in Philadelphia! As I mentioned in my previous article, the Philadelphia Museum of Art has an incredible number of collections.

The Barnes Foundation Museum is another very popular art museum that includes works primarily by Impressionist and Modernist painters. Philly also has museums that are great for kids. The Franklin Institute is known for its hands-on exhibits which range from sports to space. My family also enjoys visiting the Academy of Natural Sciences. Some of our favorite displays include a dinosaur exhibit featuring a fully constructed Tyrannosaurus rex and a butterfly garden.

Don’t forget Philadelphia’s tremendous historical significance! Make sure to visit Independence National Historical Park. You can see the Liberty Bell and tour Ben Franklin’s house. Close by are the National Constitution Center and the Betsy Ross House, both of which will teach you something new about our nation’s history.

If you are in the mood for something a little darker, check out the Eastern State Penitentiary. This Gothic style prison sought to reform its inmates through solitary confinement.

Take a tour and see historical cell blocks, including Al Capone’s restored cell.

I could not finish without giving some advice about the great food in Philadelphia. As most people have heard, Philly is home to famous cheesesteaks. Everyone has their favorites, but some of the most popular restaurants for cheesesteaks include Tony Luke’s, Pat’s King of Steaks, Geno’s Steaks and Dalessandro’s Steaks. Also be sure to buy a soft pretzel from Philadelphia Pretzel Factory!

Abby Uehling is a teen leader in the Montgomery County 4-H Beekeepers Club. This year the club secured a $500 grant to plant pollinator friendly plant plugs at the Morris Arboretum, where everyone is invited to relax and join the Pennsylvania State Beekeepers at a picnic on the Saturday after EAS. There you will see the Langstroth Bench and many educationally painted hives by Abby and other 4-H beekeepers.

Questions ask doncoats@verizon.net

Don Coats is personally invested in the concept of using microscopes to investigate bee problems. He’s been studying these methods for years and has planned a well-orchestrated experience for EAS 2013. You will see him most often in the science building adjusting a scope or contemplating a haiku.
North American beekeepers now have an effective new amitraz-based weapon against Varroa mites: Apivar

→ Kills up to 99% of mites in one application
→ Continuously-released in the colony over a six-week period, ensuring healthy and productive hives
→ Proven safe and effective for more than 15 years
→ Leaves no significant residues in hive products
→ Convenient and easy to use

M01490 1-9 pkgs. .................. $29.99
10-49 pkgs. ...................... $27.30
50 + pkgs. ...................... Call

Apivar has Section 3 approval in 48 states & Section 18 in 2 states
Honey, Like You’ve Never Tasted It Before!

“Eureka! This is the book I’ve been looking for… Ever since I took up beekeeping, I’ve been on the hunt for the definitive guide to the essence of honey: how to taste it, which local factors influence its flavor, and most importantly for me, how to pair it with other ingredients like an expert.”
— Julian Niccolini, Owner of The Four Seasons Restaurant, New York City

Everything you need to know about how to taste, select, and use a diverse repertoire of honeys

A step-by-step guide to tasting honey, including how to interpret color, aroma, and flavor

More than 30 varietals of honey explained, including their origin

Honey and food pairings, from cheese to chocolate

“With the authors’ depth of knowledge, I cannot think of a better resource on honey. This book makes me want to bake with all the varieties.”
— John Barricelli, author of The Seasonal Baker and The Sono Baking Company Cookbook

“Marina Marchese and Kim Flottum’s knowledge of this fascinating and increasingly popular subject is unparalleled.”
— Nicholas Coleman, Chief Olive Oil Specialist, Eataly NYC

“The Honey Connoisseur lays it all out on the table… The reader will never look at the honey jar quite the same way.”

$26.95 • 208 pages • 7” x 9” • Hardcover • 978-1-57912-929-3
Published by Black Dog & Leventhal Publishers; Distributed by Workman Publishing.
Available from Bee Culture’s Book Store www.beculture.com or wherever books are sold.
EAS Member Receives SARE Grant

Green Sanctuary Community Apiary at Awbury Arboretum’s resident beekeeper, Anais Salles, has been awarded a $15,000 NC Sustainable Agriculture Research Education Farmer Grant from the University of Vermont. Funding will be administered through Green Sanctuary Earth Institute of PA with Salles acting as Project Manager for implementation of a research project based on her design of a hybrid top bar hive. In addition to being an urban beekeeper, Salles is an urban grower of chemical-free produce.

Salles’ experimental hybrid top bar hives will be hosted on selected urban farm sites in and around Philadelphia. The project goal is to assess if the hybrid top bar hive design supports greater likelihood of successfully overwintered bee colonies, enhanced pollination service for small scale urban farm or community garden settings, and increased honey harvests for top bar hive beekeepers.

Salles became a beekeeper in 2011. In 2012, Salles joined several community partners in Awbury Arboretum’s Agricultural Village portfolio of organizations focused on the environment, urban organic farming, and food education. Salles teaches beginner’s beekeeping classes at Awbury Arboretum, along with a week-long summer Bee Camp the apiary offers a hive stewardship program for those interested in keeping bees and gaining experience as volunteers. Salles has also created an educational board game, ‘Visualize World Bees.’ The game’s curriculum received a thumbs-up from the Philadelphia School Reform Commission and it is suitable for elementary students. Salles is available for presentations on beginning beekeeping. She is co-host for The Green Hour, a WURD 900 AM radio program dedicated to support of healthy, clean, sustainable lifestyles.

Green Sanctuary Earth Institute of Pennsylvania (parent organization of Green Sanctuary Community Apiary) is actively recruiting board members, volunteers, hive stewards, and participation of Boy Scout & Girl Scout troops for outreach and educational opportunities to further recognize the importance of honey bees to our global food system.

THE GREAT CHARLOTTE BEE VENTURE

Kathy Moschel is no ordinary teacher. She has a BA in psychology, a doctor of law degree, teaching certification, and certification to teach academically gifted students. She taught five years in the Charlotte Mecklenburg School System, and is in her sixth year at Metrolina Regional Scholars Academy, a K-8 magnet school for academically gifted students in Charlotte, NC.

She teaches second grade there and works with the 8th grade class to help prepare them for the NC Bar Association Mock Trial Competition. Soon, these 8th graders will be going on from the regional to the state competition.

Kathy Moschel and her second graders spent a quarter of the school year studying insects. Because of the time and effort Ms. Moschel spends teaching about insects, she was the recipient of the NC Entomological Elementary Teacher of the Year Award two years ago, given by the NC Entomological Society to teachers who use insects in creative ways in the classroom.

But this story isn’t really about Ms. Moschel, as extraordinary as she is. This story is about her students. As Ms. Moschel’s second graders studied the honey bees, they became concerned about CCD. Since the students also study entrepreneurship, they decided to raise money to help the bees.

As the second graders tell it, the “Bee Venture Business” was done to save the honey bees. As they pondered what they could do to save the honey bees, a plan arose. With the help of Ms. Moschel and Ms. Jones, her assistant, they wrote a business plan. They had decided to make “bee” hair-clips, bee friendship bracelets, bee ornaments, and bookmarks, all for $1.00 each.

The young students launched an advertising campaign, which included making posters and putting them up in the school, and visiting each classroom in the school to explain why the bees are so important to our world. Their slogan? “Save the world for a buck!” The students then made the items, and sold them at lunch time. They worked very hard at this.

These industrious students also wrote a sample letter to a loan officer explaining why the bank should lend them money for their venture. They evaluated the production process, and then, evaluated the entire venture.

During this time, an entrepreneur guest speaker visited and a beekeeper. Finally, the second grade students visited a small business.

Ms. Moschel says the students are very proud of their efforts and they are learning that they are responsible for our world and what they do matters.

Ms. Moschel, Ms. Jones and the students have chosen to donate this money to Pollinator Health Initiative. I know they will be grateful to the teachers and students for the hard work, successful venture and for being chosen to receive the fruits of their labor.

How much money did the students raise? $420.00. Extraordinary people do extraordinary things.

These second graders are truly extraordinary people. Never doubt the wee ones – dynamite comes in small packages. Congratulations on your success, Metrolina Regional Scholars Academy second graders, and many thanks.

Susan Fariss
EAS ANNUAL BUSINESS MEETING
August 17, 2012
University of Vermont, Burlington

Call to order: Chairman, Jim Bobb called the 57th Annual Business Meeting of the Eastern Apicultural Society of North America to order at 1:00 p.m. on Thursday, August 18, 2012.

Secretary’s Report: The minutes of the previous EAS Annual meeting were published in the EAS Journal. Jim Bobb gave a call for corrections or additions. None were voiced. Steve Genta made a motion to accept the secretary’s report as printed. Billy Davis seconded the motion. The vote carried unanimously.

Treasurer’s Report: The Balance Sheet showed Assets in balance with Equity plus Liabilities 396,292.66 as of 7/31/2012; EAS 2011 RI generated $11,960.82. This year, there are 700+ attendees, with approximately 52 vendors. Steve Genta made a motion to accept the treasurers report. Paul Dill seconded. The motion passed unanimously.

President’s Report EAS 2012 VT: Bill Mares welcomed everyone to Vermont. He reported that there are 700+ attendees this year. The Short Course was divided into three levels, with difficulty being based on VT resort ski slope labels: Black Diamond (Expert), Blue Square (Intermediate) and the Green Circle (Novice). He thanked the VT team for all of their hard work and dedication.

Future Sites: EAS 2013 will be held at the West Chester University August 5-9, 2013. Guelph, Ontario, Canada is being considered for 2014. Possibly Virginia and Georgia will host in the future, but no commitments were made.

Committees:

Editorial Report: Kathy Summers reported that more people are receiving the electronic Journal. The deadline for the Journal is September 15th.

Life Members: Wendy Booth was introduced as the Life Member chair. Currently it costs $250 to become a life member. There are 15 new life members.

Master Beekeepers: Brenda Kiessling reported that since the last meeting there are five new master beekeepers. They are Frank Linton, Cindy Hodges, Stephen Repaskey, Dorinda Priebe and David Priebe.

Twenty one people signed up to take the exams. Thirteen of these were new. One candidate dropped out, one decided to take one test instead of three. Results are pending and new MBKs will be announced at the Banquet.

Awards:

Student Award: None; J.I. Hambleton: Lilia I. De Guzman; Roger A. Morse/Weiss Teaching, Extension and Regulatory Award: Doug McRory, Guelph, Ontario; Divelbiss Award: a secret until the Banquet. Note: winner was Bill Mares, VT.

Resolutions: VT EAS Conference On behalf of the Eastern Apicultural Society’s Board of Directors, We express our congratulations and appreciation to President Bill Mares and his VT volunteers for hosting the 2012 Short Course and EAS Annual Conference “Bees and Beyond.”

We recognize the following individuals and groups for their service and Olympic effort in making the conference a success.

Dewey (I know someone to do that) Caron, and Mike (This is how we do it in VT) Palmer for planning and recruiting presenters for the Short Course and Conference. They organized a diverse and exceptional educational experience.

Mike Palmer, Anne Frey and the Honey Show Judges for successfully promoting and managing an extraordinary honey & wax show; in the number of participants, depth of categories, and quality of entries.

The EAS Master Beekeepers for their participation in an over-enrolled Short Course, and volunteering their time and expertise administering a record number of exams to Master Beekeeper candidates.

Our beeyard wranglers; Don Hopkins and Jennifer Keller for keeping the bees happy and showing us best methods for handling our insect friends.

Kathy Summers, EAS Vice Chairman and Conference Coordinator for keeping her eyes on the details.

Special thanks to John Tulloch, our outgoing Treasurer, for moving EAS forward, teaching us fiscal responsibility, and always serving us well. John will be missed.

Kim Flottum for always being there to keep the agenda moving, and willing to help whenever it is needed.

We thank Mike Willard and the more then 70 VT volunteers for making the event work. Without their selfless donation of time, labor and goodwill, our members would not have experienced the positive, warm welcome, and lasting memories of being a part of the VT conference.


We also thank the vendors for their on-going support and sponsorship of EAS events. Vendor support is critical to EAS, our members, and the association’s mission.

In addition: EAS Chairman, Jim Bobb and the Board of Directors, extend our congratulations to the Heartland Apicultural Society, and share in the celebration of their 10th year anniversary.

Foundation for Honey Bee Research: The winners of the $5000 HB Research Award went to: Tom Seeley and J. Carter Loftus, Cornell. “Testing small hives as a management tool for producing honeybee colonies that are naturally resistant to Varroa Mites”

Historian: Kim Flottum states that Dick Chapin has retired. Kim has spent the past year cataloging the historical records. The next historian’s report is due in 2013.

Nominations: Susan Fariss presented the slate of nominees: Linda Betteleski, President; Tammy Horn, Vice President; Greg Fariss, Treasurer; John Baker, CT Director; Bill Miller, AL Director; David Mendes, FL Director; Kent Williams, KY Director; Mary Duane, MA Director; Wendy Booth, NH Director; Will Hicks, NC Director; Julie White, ONT Director; Everett Zurlinden, RI Director; Mike Palmer, VT Director; Charles Walter, WV Director.

Paul Dill made a motion the nominees be accepted as offered. Steve Genta seconded the motion, which passed unanimously. The current directors and officers keep their positions through Friday, then the new slate will become the current directors and officers.

Old Business: None.
New Business: EAS 2013 in PA. All are encouraged to attend.

Honey Show: Mike Palmer stated that he is pleased with the number of entries. In total, 72 exhibitors entered 260 items in the show. They came from 17 states and two countries.

Adjournment: The meeting was adjourned at 1:30 p.m.

Respectfully submitted by Susan H. Fariss, EAS Secretary
## 2013 Society Board of Directors

<table>
<thead>
<tr>
<th>State</th>
<th>Name</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALABAMA</td>
<td>William Miller</td>
<td>2991 Eddins Road, Dothan, AL 36301</td>
<td>334.794.8362</td>
<td><a href="mailto:director.ai@easternapiculture.org">director.ai@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>Master BKPRS.</td>
<td>10610 Hunters Valley Rd, Vienna, VA 22181</td>
<td>703.938.9389</td>
<td><a href="mailto:director.mb@easternapiculture.org">director.mb@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>PRINCE EDW. ISL</td>
<td>vacant 2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>RHODE ISLAND</td>
<td>Everett Zur Linden 2015 P.O. Box 384</td>
<td>401.885.5172</td>
<td><a href="mailto:director.ri@easternapiculture.org">director.ri@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>QUEBEC</td>
<td>vacant 2013</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MICHIGAN</td>
<td>vacant 2012</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MISSISSIPPI</td>
<td>Art Potter 2014 P.O. Box 172</td>
<td>662.899.9091</td>
<td><a href="mailto:director.nh@easternapiculture.org">director.nh@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>NEW BRUNSWICK</td>
<td>vacant 2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NEWFOUNDLAND &amp; LABRADOR</td>
<td>vacant 2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NEW HAMPSHIRE</td>
<td>Wendy Booth 2016 37 Swan Dr. Northingham, NH 03290</td>
<td>603.679.1971</td>
<td><a href="mailto:director.nh@easternapiculture.org">director.nh@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>NEW JERSEY</td>
<td>Jeff Burd 2015 11 Farm Road Ewing, NJ 08638</td>
<td>609.575.7468</td>
<td><a href="mailto:director.nj@easternapiculture.org">director.nj@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>NEW YORK</td>
<td>Bob Talkiewicz 2014 6 Dunbar Rd. Windsor, NY 13865</td>
<td>607.427.2420</td>
<td><a href="mailto:director.ny@easternapiculture.org">director.ny@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>WEST VIRGINIA</td>
<td>Charles Walter 2014 3466 Scrabble Rd. Shepherdstown, WV 2445</td>
<td>304.368.0813</td>
<td><a href="mailto:director.wv@easternapiculture.org">director.wv@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>VERMONT</td>
<td>Michael Palmer 2014 4411 Fort Drive St. Albans, VT 05478</td>
<td>802.243.9013</td>
<td><a href="mailto:director.vt@easternapiculture.org">director.vt@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>VIRGINIA</td>
<td>Billy Davis 2013 35309 Snickersville Tpk. Round Hill, VA 20141</td>
<td>540.903.9274</td>
<td><a href="mailto:director.va@easternapiculture.org">director.va@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>WISCONSIN</td>
<td>Will Hicks 2016 3219 US 70 Effland, NC 27243</td>
<td>919.691.0022</td>
<td><a href="mailto:director.nc@easternapiculture.org">director.nc@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>Nova Scotia</td>
<td>vacant 2013</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OHIO</td>
<td>Joe Kovaleski 2013 167 Rosslyn Blvd. Steubenville, OH 43952</td>
<td>740.632.7500</td>
<td><a href="mailto:director.oh@easternapiculture.org">director.oh@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>ONTARIO</td>
<td>Julie White 2013 674.616.9487</td>
<td></td>
<td><a href="mailto:director.on@easternapiculture.org">director.on@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>PENNSYLVANIA</td>
<td>James Blasko 2013 789 Country Ridge Road Bedford, PA</td>
<td>814.623.2767</td>
<td><a href="mailto:director.pa@easternapiculture.org">director.pa@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td>CHAIRMAN EMER. &amp; HISTORIST</td>
<td>Kim Flottum 2016 7011 Spieth Road Medina, OH 44256</td>
<td>330.461.1031</td>
<td><a href="mailto:kim@beeculture.com">kim@beeculture.com</a></td>
</tr>
<tr>
<td></td>
<td>WEBMASTER</td>
<td>David Meldrum 287 S. Main Street Andover, MA 01810</td>
<td>978.474.8700</td>
<td><a href="mailto:webmaster@easternapiculture.org">webmaster@easternapiculture.org</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>978.806.6439</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### News • Events • Gossip From The EAS Beeyard

**From The Colonies**

News • Events • Gossip From The EAS Beeyard  
EAS belongs to most of our region’s State Associations in order to keep up with what’s going on in the Colonies. If we don’t yet belong to your Association, contact our secretary at secretary@easternapiculture.org so we can sign up. And, send your newsletter to our Editor so we can keep up.

**West Virginia Beekeepers All Conference**

will be held September 21-22, 2013 at Jackson’s Mill 4-H Center, Weston. Main presenter Jamie Ellis.

For information contact Susan Perkins, 304.368.0813 or wvba.susanp@yahoo.com.

---

**Empire State Honey Producers Association (ESHPA.org)**

will hold their Annual Picnic Saturday July 20, in conjunction with the Catskill Mountain Beekeepers (catskillbees.org). Exact location to be announced. Featured speaker will be Randy Oliver (ScientificBeekeeping.com). He will present two talks on honey bee disease: Bee Disease Identification and Commercial Mite Management without Synthetic Miticides.

---

**The NY Bee Wellness Workshops (NYBee-Wellness.org)**

will hold a session July 21, Sunday, in the Catskills. Registered participants will engage in hands-on hive inspection (fee). Some of the instructors included will be Randy Oliver (ScientificBeekeeping.com), Peter Borst. Details to be announced.

USDA NIFA Beginning Farmers and Ranchers Development Program, Grant #2011-494400-30631.

Contact Pat Bono- Pat@eshpa.org

---

The summer meeting of the North Carolina State Beekeepers will be held July 11-13, 2013, at Sandhills Community College in Southern Pines, NC. Presenters will include Dr. Larry Connor, Dr. David Tarpy, Ross Conrad, Dan Conlon, Virginia Webb and others.


---

The South Carolina Beekeepers Association will hold their summer meeting July 25-27, at the Clemson University Hendrix Student Center located in Clemson, South Carolina.

If you need additional information contact me laurensbees@aol.com.

---

Massachusetts 2013 Northeast Treatment-Free Beekeeping Conference will be held July 16-21 at Fraternal Order of Eagles, 456 Lithfield Street, Leominster. Beginner’s Intensive, July 16-17, $140 before may 15. Main Conference, July 19-21, $210 before May 15. Special program for Kids, July 19-21 $100 (one parent and one child), each additional child $50.

For more details and online registration visit BeeUntoOthers.com.
EAS Journal
Kathy Summers, Editor
7011 Spieth Road
Medina, OH 44256

EAS Membership and Life Member Dues Payment/Address Correction Form
(Please send all money in U.S. funds)

Names________________________________________________________________________________________
Address_______________________________________________________________________________________
City/State or Province/Zip Code or Mailing Code __________________
Phone/Fax__________________________________________________ Email:_________________________________

What local association do you belong to? ___________________________ How many hives? ___________

1 Year Individual/Family (Paper Journal Or Electronic Delivery, please indicate): $25    $ __________
2 Year Individual/Family (Electronic Delivery of Journal): $45    $__________
3 Year Individual/Family (Electronic Delivery of Journal): $65    $__________
Life Membership Dues (Electronic Delivery of Journal): $250  $__________
EAS Honey Bee Research Fund Donation
Speaker & Education Fund Donation

TOTAL
$__________

Do not send to EAS Journal Editor. Make check to EAS and send to –
Greg Fariss, EAS Treasurer, 142 Cemetery Road, Mocksville, NC 27028
or enter credit card info below:

Mastercard or Visa ____________________________ 3 digit # From Back of Card ________ Exp. Date _________

Summer, 2013