EASTERN APICULTURE SOCIETY ANNUAL CONFERENCE

July 28 – August 1, 2014

EASTERN KENTUCKY UNIVERSITY
RICHMOND, KENTUCKY

“Esprit de Bee!” will be this year’s theme in honor of troops returning from Afghanistan. Come to the lectures and hands on training from some of the foremost honey bee experts in the world, such as Jennifer Berry, Dianna Sammataro, Micheal Palmer, Dewey Caron, Jeff Harris, Maryann Frazier, and Wyatt Mangum and a whole host of other local and international experts. Come hear Dr. Nicola Bradbear, founder of Bees for Rural Development, talk about beekeeping programs in India and Africa. Or listen to best-selling mystery writer-beekeeper Abigail Keam talk about her series, featuring beekeeper Josiah Reynolds in Death by a Honeybee, Death by Drowning, Death by Bridle, and Death by Bourbon.

To register online: easternapiculture.org

And don’t forget, next year’s conference is in Guelph! More to come on that...
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We would like to thank Bob Gutowski, Morris Arboretum for
the cover photograph and Penelope Malish for designing this
issue of the Journal.
The Winter of 2013-14 was the winter that never ended, the winter of our discontent, and the winter of despair. For you, was it followed by the spring of hope?

Some of us found ourselves sitting in front of the fireplace for seven days, burning the last of the wood in the woodpile, just to keep the pipes from freezing. Then, just my luck, the furnace blew out when the electricity did come back on. Here in Pennsylvania, not only did we have a hard freeze on the first day of frost, but we had a snowstorm—with the leaves still on the trees. The snow storms hit us continuously all winter long, then we had ice storms that completely decimated the Eastern white pines, toppling trees and stripping branches—the area looked as if it were hit by a tornado.

My detractors will scoff at the winter cover on the issue, but for some in our region, the winter is still hanging on. Just last week many in the area were hit with hail the size of golf balls, some damaging car hoods and windshields so bad that the cars were a total loss.

The EAS Team was not without its own discontent. There were differences among us as to how to move forward successfully for the remaining two years of our term and some officers resigned. (Our term ends in August, 2015.) Loretta Surprenant and John Tulloch returned to the Executive Committee as Secretary and Interim Treasurer, respectively. Kent Williams, Kentucky Director and Past President, was elected to the EAS Vice Chairman position. All three have prior experience on the board, are hard-working, and are just a pleasure to have back on the EAS Team.

There is so much that goes on behind the curtain to keep EAS moving forward. The EAS Officers meet monthly to coordinate activities. Loretta off-loaded some of my tasks and has taken on the challenge of keeping the board informed as to what the officers are up to. John has wrapped up the books for 2013 and filed the forms required to keep our nonprofit status. He is now working with David Meldrum, streamlining the processing of registration forms, so that the financial tasks will not be so onerous to the next treasurer.

But perhaps the heart of EAS right now is Tammy Horn. She has worked tirelessly to put together a fantastic program in Kentucky. She has added her own warmth and exuberance to the week, bringing back such perennial favorites as Jennifer Berry, Maryann Frazier, Diana Sammataro, Michael Palmer, Cindy Bee, Wyatt Mangum, Jennifer Keller, Don Hopkins, Erin Forbes, Bob Cole, Dewey Caron, and Tom Webster, to name a few. But she has added her own flare with Abigail Keam and Nicola Bradbear. I am sure that I cannot do justice to all of the fascinating speakers. The preliminary program is included in this Journal and you can see the bios and pictures of the speakers on the EAS website, www.easternapiculture.org.

Another addition to the EAS Kentucky program is a bevy of Canadians: Les Eccles, Ernesto Guzman, André Flys, and Daniel Borges. Doug McRory and the Ontario Team are well underway planning EAS 2015. Included next year is a Technical Tour on Thursday of the EAS Ontario conference to visit a meadery, a large extraction facility, the escarpment, and Niagara Falls. The next two EAS conferences should prove to be some of our best conferences yet.

As for EAS 2016, we need a host for that conference. If you would like your state to host EAS, please contact your state or provincial director, or drop me a line.

I cannot end my potherings without mentioning another group of hard-working members of the EAS Society. The Master Beekeepers and the MB Certification Committee have been meeting for many months, reviewing and planning the set of exams for EAS Kentucky. Take some time to read about their accomplishments and the changes to the examination this year in this Journal. The deadline to register for the MB Examination is July 1, 2014.

Finally, take some time to register for EAS Kentucky. We do have to give Eastern Kentucky University meal and dorm counts on July 11. So, you will not be able to purchase meals or register to stay in dorm rooms after that date. Register now.

See y’all in Kentucky.

Jim Bobb
Chairman, EAS Board of Directors
Email: Chairman@easternapiculture.org
Phone: (610) 584-6778
A collaboration of EAS volunteers have been working together to bring you this issue, and the next couple of issues. We are testing out some different layouts and including new information, such as news from our Master Beekeepers. Please let us know what you like and don’t like. We are working diligently to keep you, the EAS Society, informed.

Of course, the first thing you should do is check out what Tammy Horn and the Kentucky Team have planned for you and register, preferably online, for EAS 2014. Then, check out the honey show rules and regulations. Michael Palmer has secured beautiful awards for the best in each category. Don’t miss the Master Beekeeper information. As a reminder, the deadline for Master Beekeeper exam registration is July 1, 2014.

The next Journal will provide more of the information for EAS Kentucky, three new award winners, and more information from our states and provinces.

The deadline for the next journal is coming up fast, so if you have any ads or information which you would like to include, please send ASAP to journal@easternapiculture.org.

“The Editors”

EAS Membership Data and Registration

By Dave Meldrum

The way we accept and maintain membership data needs to be improved and modernized. We are evaluating and testing a new system.

What does it mean to you? Well it may not affect you much at all, especially if you are an individual member without access to a computer. You can still renew by mail and pay by check. On the other hand the new system will let you access your own information and renew online. This will be a big help in keeping the membership database accurate and current. In general we think members will find the new system more convenient, it will certainly lighten the work load of our volunteers.

Will there be problems? Yes. Some we know about and some will be surprises. One area we know about is family membership. In an ideal world any one member of the family can sign up and indicate who the other family members are. Those other members would then have the capability to renew and make membership changes. In the new system, it is expected that each family will have a primary member (called a bundle administrator) who will be responsible for renewals. Other members of the family (Bundle) will not have that capability. In other words, there will be a primary member of each family who will manage the membership information and perform renewals. This slight change should not be a show stopper.

Why? Keeping track of a thousand members and all their changes is a large job. Currently we use QuickBooks(QB) to keep track of our membership and hand enter new members.

QB is excellent at financial information, but lacks modern membership management capabilities. While this process has served us well in the past there are a number of problems with this technique. It relies on one person to manually input and update the data, preparing mailing labels and emailing the Journal is awkward, members cannot access and update their own data, or subscribe and pay online. It is time to move to a modern full featured membership management system… one that can be learned and used by non-technical people.

When? The conversion process will occur in the fall (2014) and early winter, after our annual conference when memberships are more settled. We have our biggest membership turn over during the conference. It will take a couple of months to make the switchover.

Some background information: At this time we are looking at a product called “Wild Apricot” http://www.wildapricot.com/ We have looked at a great many products and feel this matches our needs the best while keeping within our frugal budget. This product will be used to handle both our membership data as well as conference registration. The behavior is similar to many other membership systems. You will have a login account and password. The login name will be the email address that we have on file for you. There will be a procedure whereby you can get and change your password. There will also be a procedure to change your email address, if it is not correct. From then on you will be able to renew your membership or change your profile information on our web site. Old fashion US Postal mail will also still work, but we are hoping most members will embrace the web site as a way to keep membership current.

Another area that will change is the conference registration for EAS 2015. We have not worked out all the details yet, but conference registration will take on a new look. For example, in order to register for the conference, you will have to log in as a member. If you are not a member, then you will be required to join EAS first. Paper registration through USPS will still be possible.
EAS 2014 Information

**EAS 2014 Registration Schedule**

<table>
<thead>
<tr>
<th>New Science Building</th>
<th>Brock Auditorium (Walk-ins Only)</th>
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</thead>
<tbody>
<tr>
<td>Sunday</td>
<td>3:00 p.m.– 7:00 p.m.</td>
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<tr>
<td>Monday</td>
<td>8:00 a.m.– 4:00 p.m.</td>
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<tr>
<td>Tuesday</td>
<td>8:00 a.m.– 5:00 p.m.</td>
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<tr>
<td>Wednesday</td>
<td>8:00 a.m.– 5:00 p.m. 8:00 a.m.– 11:00 a.m.</td>
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<tr>
<td>Thursday</td>
<td>8:00 a.m.– 5:00 p.m. 8:00 a.m.– 11:00 a.m.</td>
</tr>
<tr>
<td>Friday</td>
<td>8:00 a.m.– Noon 8:00 a.m.– 11:00 a.m.</td>
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</tbody>
</table>

Dorm check-in is from 3:00– 9:00 p.m.
Dorm check-out is from 8:00– 11:00 a.m.
Please return your meal card, keys, and fobs before you leave campus; you will be billed $30 to replace each item that is not returned.

**EAS 2014 Society Meeting Schedule**

<table>
<thead>
<tr>
<th>EAS Board of Directors’ Meeting</th>
<th>Tuesday</th>
<th>Noon-1:30 p.m.</th>
<th>Regents Dining Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long Term Budget Plan</td>
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<tr>
<td>Requires Tuesday lunch ticket</td>
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</tbody>
</table>

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<tr>
<th>EAS Board of Directors’ Meeting</th>
<th>Wednesday</th>
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<th>Regents Dining Room</th>
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<td>Requires Wednesday lunch ticket</td>
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<tr>
<th>Life Members Banquet</th>
<th>Thursday</th>
<th>Noon-1:30 p.m.</th>
<th>Regents Dining Room</th>
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</thead>
<tbody>
<tr>
<td>Requires Thursday lunch ticket</td>
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<table>
<thead>
<tr>
<th>EAS Annual Business Meeting</th>
<th>Friday</th>
<th>11:00 a.m.– Noon</th>
<th>Brock Auditorium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Everyone is encouraged to attend.</td>
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</tbody>
</table>
ATTENTION: You may register on-line with a credit card at www.easternapiculture.org.
If you are registering by mail, WE MUST RECEIVE YOUR FORM BEFORE JULY 11, 2014. After that date, you may still register on-line or during the conference. However, dorm rooms, meals, and special events will not be available after July 11, 2014. Visit www.easternapiculture.org for up-to-date availability.

If you are a speaker, please enter your Speaker Code ____________________________

First Name(s) ____________________________________ Last Name _____________________________________________
Address _________________________________________________________ City _______________________________________
State/Prov ________________ Zip/Post Code ___________________________ Country ____________________________________
Phone ________________________ E-mail _________________________________ @ ___________________________________

EMERGENCY CONTACT
1. Contact Person: ____________________________ Phone: ____________________

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

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

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

4. SHORT COURSE Only
   Three Days Course (Mon–Wed, July 28–30)
   Name(s) ____________________________
   # of people ___ X $175 = $ _______

5. CONFERENCE Only
   Three Days Conference (Wed–Fri, July 30–August 1)
   Name(s) ____________________________
   # of people ___ X $175 = $ _______

6. SINGLE DAY FEE (Please specify days) ☐ Mon ☐ Tues ☐ Wed ☐ Thur ☐ Fri
   Name(s) ____________________________
   # of days ___ X # of people ___ X $65 = $ _______

7. 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 $25 = $ _______

SPECIAL SHORT COURSE OPTIONS (Included in Short Course—No extra charge.)
8. I plan to bring ____ entries for the Honey Show.

9. I want to register for the Queen Production Workshop during the Short Course. Registrants must commit to attend both Monday and Tuesday, July 28 and July 29. (Class size is limited to 25 attendees.)
   Put my name on the list: (Sold Out)

BREAKFAST & LUNCH
There is no breakfast package unless you are staying in the dorms, then breakfast is included in the price of the dorm.
10. LUNCHES in the EKU Cafeteria (Please specify days for lunch.)
Name ____________________________
   ☐ Mon ☐ Tues ☐ Wed ☐ Thur ☐ Fri
Name ____________________________
   ☐ Mon ☐ Tues ☐ Wed ☐ Thur ☐ Fri
   Total # of lunches ___ X $9 = $ _______

Page 1 Subtotal (Sum up the values in the lines above.) $ _______
DORM ROOMS
Rooms are air-conditioned. PRICE INCLUDES BREAKFAST. Linens and pillows are not included. Please bring pillows, sheets, sleeping bag, and towels. Specify any special requirements for dorm rooms in the comment section at bottom of form.
12. Single: Sun ____ Mon ____ Tues ____ Wed ____ Thur ____ Fri ____
   # of nights ___ X # of people ___ X $54 = $ _________
13. Double: Sun ____ Mon ____ Tues ____ Wed ____ Thur ____ Fri ____
   # of nights ___ X # of people ___ X $84 = $ _________
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.
14. WEDNESDAY NIGHT SQUARE DANCE with Reel World String Band. (Prize for best square dance outfit.)
   Join us for Greek gyros, dancing, and great music. Band sponsored by Walter T. Kelley Co.
   # of people ___ X $18 = $ ___________
15. THURSDAY NIGHT CATFISH BUFFET & AUCTION: A taste of Kentucky in the Keen Johnson Ballroom.
   (Each entrée includes a beer, glass of wine, or soda.)
   # of people ___ X $25 = $ ___________
16. FRIDAY NIGHT ANNUAL BANQUET
   Indicate # of each entrée:
   Kentucky Hot Browns w/country ham ______
   Portobello Mushroom Steaks (Vegetarian) ______
   # of people ___ X $25 = $ ___________

CHARITABLE DONATIONS (EAS is a 501(c)(3) nonprofit organization.)
17. Donation to Honey Bee Research Fund (help us help honey bees) $ _________
18. Donation to Speaker & Education Fund (help us help beekeepers) $ _________

Page 2 Subtotal (Sum up the values in the lines above) $ _________
Page 1 Subtotal $ _________
GRAND TOTAL (Sum of Page 1 & 2 Subtotals) $ _________

Please list any suggestions or restrictions that we should know about to ensure an enjoyable experience at EAS 2014. Be sure to include any special requirements for dorm accommodations. (All meals and special events already have vegetarian options on the buffet or as an entrée selection.)

____________________________________________________________________________________

____________________________________________________________________________________

____________________________________________________________________________________

Mail this form with check, made payable to EAS 2014, or credit card information to:
EAS 2014 Registration, Lou Naylor, 209 Hickory Lane, Moorestown, NJ 08057

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!
Registration questions? Email registrar@easternapiculture.org, or call Lou at 856-234-1799 (8am–8pm Eastern Time).
<table>
<thead>
<tr>
<th>Time</th>
<th>Beginners Classroom</th>
<th>Advanced Classroom</th>
<th>LAB (12 per Class)</th>
<th>Queen Course</th>
<th>Apiary</th>
<th>Honey Show</th>
<th>Master Beekeepers</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 - 7:30 AM</td>
<td>Auxiliary Gym</td>
<td>ZumBEE</td>
<td>Sponsored by Overland Honey</td>
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<tr>
<td>7:00 - 8:00 AM</td>
<td>Powell Dining</td>
<td>Breakfast</td>
<td></td>
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<tr>
<td>8:00 - 8:30 AM</td>
<td>New Science Building</td>
<td>Registration</td>
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<tr>
<td>8:30 - 8:50 AM</td>
<td>New Science Building</td>
<td>Welcome to Eastern Apicultural Society and Eastern Kentucky University</td>
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</thead>
<tbody>
<tr>
<td>9:00 - 9:50 AM</td>
<td>Breakout Session #1</td>
<td>Bee Biology for New Beekeepers</td>
<td>Jeff Harris</td>
<td>Advanced Honey Bee Biology Wyatt Magnum</td>
<td>Digestive System of Honey Bees Marty Matisoff</td>
<td>Overview: Life History of Queens and Drones Jennifer Berry</td>
<td>Smoker Basics Jennifer Keller</td>
</tr>
<tr>
<td>10:00 - 10:50 AM</td>
<td>Breakout Session #2</td>
<td>Seasonal Hive Management Ernesto Guzman</td>
<td>Honey Bee Pheromones Maryann Frazier</td>
<td>Mite Anatomy Diana Sammataro</td>
<td>Why Rear Your Own Queens and How to Start Jennifer Berry</td>
<td>Managing Top Bar Hives, Christy Hemenway</td>
<td>Honey Show Michael Palmer</td>
</tr>
<tr>
<td>11:00 - 11:50 AM</td>
<td>Breakout Session #3</td>
<td>Common Honey Bee Diseases Tom Webster</td>
<td>Pesticides Management Les Eccles</td>
<td>Basic Microscopy for Beginners Don Coats</td>
<td>Timing is Everything: Rearing Superior Queens Months in Advance Jennifer Berry</td>
<td>Making Nucs and Increase Wyatt Magnum</td>
<td>Honey Show Michael Palmer</td>
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<tr>
<td>Noon - 1:30 PM</td>
<td>Powell Dining</td>
<td>Lunch</td>
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<tr>
<td>1:30 - 2:30 PM</td>
<td>Breakout Session #4</td>
<td>Honey Bee Nutrition Diana Sammataro</td>
<td>Nicotiana apis, Hybrid Plant for Foraging Pollinators Rich Mundell</td>
<td>Pollen Identification Don Coats</td>
<td>Setting Up Starters and Finisher Colonies Jennifer Berry</td>
<td>Organic Beekeeping Sean Clark</td>
<td>Honey Show Michael Palmer</td>
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<tr>
<td>2:30 - 3:00 PM</td>
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<td>Coffee Break</td>
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<tr>
<td>3:00 - 4:00 PM</td>
<td>Breakout Session #5</td>
<td>Common Honey Bee Pests and Parasites Ernesto Guzman</td>
<td>Honey Bee Queen Biology Jeff Harris</td>
<td>Nosema Tom Webster</td>
<td>Hive Evaluations for Selecting Breeders and Record Keeping Jennifer Berry</td>
<td>Forklift Demos Stephanie Tarwater</td>
<td>Honey Show Michael Palmer</td>
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<tr>
<td>5:00 - 7:00 PM</td>
<td>Location TBA</td>
<td>Dinner at local Restaurants (check sponsoring establishments)</td>
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<tr>
<td>7:00 - 9:00 PM</td>
<td>Location TBA</td>
<td>Latest Developments in RNA interference Technology, Dr. S.R. Palli, University of KY Entomologist, &amp; Gerald Hayes, Monsanto Inc. Open to Community</td>
<td>Master Beekeepers Exam Review</td>
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<tr>
<td>Time</td>
<td>Location</td>
<td>Event</td>
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</tbody>
</table>
| 9:00 - 9:50 AM | Auxiliary Gym | Honey Bee Queen Biology  
Jeff Harris  
Small Hive Beetle  
Phil Craft  
Bee Anatomy  
Marty Matisoff  
What You Will Need: Equipment and Instructions for Starting with Queens  
Jennifer Berry  
Finding Queens in Top Bar Hives  
Christy Hemmenway  
Master Beekeepers Written Exam  (Starts at 8:30 AM) |
| 10:00 - 10:50 AM | Powell Dining | Beekeeping in Town and Urban Areas  
Tom Webster  
Varroa Mite Controls  
Ernesto Guzman  
Advanced Honey Bee Anatomy and Necropsy  
Don Coats  
Learn How to Graft: Hands on Grafting Session  
Jennifer Berry  
What Do Your Hives Tell You? Basic Hive Inspection  
Maryann Frazier  
Master Beekeepers Written Exam  
Master Beekeepers Oral Exams |
| 10:50 - 11:00 AM | Powell Dining | Coffee Break with Vendors |
| 11:00 - 11:45 AM | Powell Dining | Top-Bar Hive Beekeeping  
Wyatt Magnum  
From Hobby to Commercial Beekeeping  
Rick Sutton  
Mite Anatomy  
Diana Sammataro  
Learn How to Graft: Hands on Grafting Session  
Jennifer Berry  
Visual Identification of Diseases in the Hive  
Don Hopkins  
Master Beekeepers Written Exam  
Master Beekeepers Oral Exams |
| Noon - 1:30 PM | Powell Dining | Lunch (*EAS Board to discuss Long-Term Budget in Regents Dining Room) |
| 1:30 - 2:30 PM | Powell Dining | Common Queen Problems  
Jeff Harris  
Managing Bees for Honey Production  
Ed Holcombe  
Resistance Queens  
Jennifer Berry  
Setting Up Mating/Nuc Colonies & Marking Queens  
Hopkins/Keller  
Hope Johnson: Quilting Session  
Master Beekeepers Oral Exams  
Master Beekeepers Oral Exams |
| 2:30 - 3:00 PM | Powell Dining | Coffee Break with Vendors |
| 3:00 - 4:00 PM | Powell Dining | Overwintering  
Ernesto Guzman  
Marketing honey  
Rick Sutton  
Trachael Mites  
Ed Holcombe  
Drones  
Jennifer Berry  
Non-Grafting Techniques  
Hopkins/Keller  
Master Beekeepers Oral Exams  
Master Beekeepers Oral Exams |
| 5:00 - 7:00 PM | Powell Dining | Dinner at Local Restaurants (Check Sponsoring Establishments) |
| TBA | Powell Dining | Abigail Keam, Booksigning & Mead Tasting |
## 2014 EAS General Conference - Wednesday, July 30, 2014 (Subject to Change)

<table>
<thead>
<tr>
<th>Time</th>
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<td>Registration</td>
</tr>
<tr>
<td>8:30 - 9:00 AM</td>
<td>Brock Auditorium</td>
<td>Chair and President’s Welcome</td>
</tr>
<tr>
<td>9:00 - 9:50 AM</td>
<td>Hambleton Award</td>
<td>Reflections on My Research: Translating and Applying Research Results in the Real World of Beekeeping by Robert Danka</td>
</tr>
<tr>
<td>10:00 - 10:50 AM</td>
<td>Plenary</td>
<td>Challenges of Nonprofit Organizations in International Extension/Education by Nicola Bradbear</td>
</tr>
<tr>
<td>9:00 - 11:50 AM</td>
<td>EAS Research Grant</td>
<td>Effects of Neonicotinoid/Fungicide/Adjuvant Pesticide Combinations Commonly Encountered by Honey Bees on Pumpkins by Thomas Janini</td>
</tr>
<tr>
<td>Noon - 1:30 PM</td>
<td>Powell Dining</td>
<td>Lunch (EAS Board of Directors Meeting, Regents Dining Room)</td>
</tr>
</tbody>
</table>

### Afternoon Sessions in New Science Building

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 - 2:15 PM</td>
<td>NSB</td>
<td>Breakout Session #1 - Honey Production by Ed Holcombe, Globalization by Bob Cole, Beeswax Pesticide Study by Maryann Frazier, Hives for People with Physical Challenges by Carl Jackson, Challenges by Jeff Harris, Tracheal Mites by Diana Sammataro, Mead-making by John and Debbie Pace, Bees in Burundi by Kelly Watson, Lab/Apiary by Meghan Milbraith</td>
</tr>
<tr>
<td>2:15 - 3:00 PM</td>
<td>NSB</td>
<td>Break with Vendors</td>
</tr>
<tr>
<td>3:00 - 3:45 PM</td>
<td>NSB</td>
<td>Breakout Session #2 - Organic Beeswax by Christy Hemenway, British Honey Show by Michael Palmer, Varroa mites and Resistance by Jeff Harris, Evaluation/Check on Cells by Jennifer Berry, Nosema by Megan Milbraith, Honey Cookery by David Poulton, Canadian Tech Teams by Les Eccles</td>
</tr>
<tr>
<td>4:00 - 4:45 PM</td>
<td>NSB</td>
<td>Breakout Session #3 - Swarm Removal by Cindy Bee, African Bees-FABIS by Stephanie Tarwater, Sustainable Agriculture Research and Education-Maine by Erin Forbes, Finding Queens &amp; Replacing Queens by Tammy Horn, Bee Necropsy by Don Coats, Quilting Bee by Hope Johnson, A Beekeepers trip to China by Meghan Milbraith</td>
</tr>
<tr>
<td>6:00 - 7:00 PM</td>
<td>Auxiliary Gym</td>
<td>Catered by Athenian Grill, Lexington, KY</td>
</tr>
<tr>
<td>7:00 - 9:00 PM</td>
<td>Auxiliary Gym</td>
<td>Square Dance at Alumni Coliseum - Reel World String Band Sponsored by W.T. Kelley's</td>
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</table>
### 2014 EAS GENERAL CONFERENCE - Thursday, July 31, 2014 *(Subject to Change)*

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 - 7:30 AM</td>
<td>Auxiliary Gym</td>
<td>ZumBEE (sponsored by Overland Honey)</td>
</tr>
<tr>
<td>7:00 - 8:00 AM</td>
<td>Powell Dining</td>
<td>Breakfast</td>
</tr>
<tr>
<td>8:00 AM</td>
<td>Brock Auditorium in Coates Bldg</td>
<td>Registration</td>
</tr>
<tr>
<td>9:00 - 9:50 AM</td>
<td>Plenary</td>
<td>Opening Session</td>
</tr>
<tr>
<td></td>
<td>Brock Auditorium in Coates Bldg</td>
<td>Bob Cole &amp; Col. Ben Richardson</td>
</tr>
<tr>
<td>10:00 - 10:30 AM</td>
<td>Plenary</td>
<td>USGS: Agricultural Pesticide Use in the U.S.</td>
</tr>
<tr>
<td></td>
<td>Plenary</td>
<td>Presentation of Student Award Winner: Daniel Borges</td>
</tr>
<tr>
<td>11:00 - 11:50 AM</td>
<td>Plenary</td>
<td>Africanized Bees in the Americas</td>
</tr>
<tr>
<td>Noon - 1:30 PM</td>
<td>Powell Dining</td>
<td>Lifetime Members’ Luncheon, Regents Dining Room, Keynote Speaker: Maryann Frazier, Nature Vs Nurses</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Time</th>
<th>Beginners</th>
<th>Big Pictures</th>
<th>Advanced Beekeepers</th>
<th>Apiary Hopkins/Keller</th>
<th>LAB (12 per Class)</th>
<th>Cultural Inter</th>
<th>Social Tours</th>
</tr>
</thead>
<tbody>
<tr>
<td>TBA</td>
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</tr>
<tr>
<td>1:30 - 2:15 PM</td>
<td>Breakout Session #1</td>
<td>Pheromones Nicola Bradbear</td>
<td>Running Migratory Bees</td>
<td>China, Pathogen Control Meghan Miller</td>
<td>Hygienic Bees Liquid Nitrogen Pour Clark and Brock Show</td>
<td>Basic Microscopy for Beginners Don Coats</td>
<td>Quilting Bee Hope Johnson</td>
</tr>
<tr>
<td>2:15 - 3:00 PM</td>
<td>NSB</td>
<td>Break with Vendors</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>3:00 - 3:45 PM</td>
<td>Breakout Session #2</td>
<td>Overwintering Erin Forbes</td>
<td>Running Migratory Bees Stephanie Tarwater</td>
<td>Drones Jennifer Berry</td>
<td>Nuc management Jennifer Keller</td>
<td>Appalachia Tree/Flower Pollen Don Coats</td>
<td>Pollinator Stewardship Council Michelle Colopy</td>
</tr>
<tr>
<td>4:00 - 4:45 PM</td>
<td>Breakout Session #3</td>
<td>Cut Outs, Trap Outs and Other Means of Relocation Cindy Bee</td>
<td>Organic Beekeeping Sean Clark</td>
<td>Nematode Rearing Izzy Hill</td>
<td>Keeping Hives in Bee Gums, Beelining Gary Branson</td>
<td>Mite Anatomy Jeff Harris</td>
<td>Kids and Bees Sarah Red-Laird</td>
</tr>
<tr>
<td>7:00 - 9:30 PM</td>
<td>Keen Johnson Bldg</td>
<td>Fish Fry, Honey Awards, and Live Auction</td>
<td></td>
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</tbody>
</table>

*Afternoon Sessions in New Science Building*
## 2014 EAS GENERAL CONFERENCE - Friday Aug. 1, 2014 (Subject to Change)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 - 7:30 AM</td>
<td>ZumBEE</td>
</tr>
<tr>
<td>7:00 - 8:00 AM</td>
<td>Breakfast</td>
</tr>
<tr>
<td>Starts 8:00 AM</td>
<td>Registration</td>
</tr>
<tr>
<td>8:30 - 9:00 AM</td>
<td>Presentation of Roger Morse Award to Roger Hoopingarner</td>
</tr>
<tr>
<td>9:00 - 9:45 AM</td>
<td>Challenges of Producing Honey for International Standards</td>
</tr>
<tr>
<td>10:00 - 10:45 AM</td>
<td>Flower Fidelity</td>
</tr>
<tr>
<td>10:45 - 11:00 AM</td>
<td>EAS 2015, University of Guelph, Guelph, Ontario, Canada</td>
</tr>
<tr>
<td>11:00 - 12:00 PM</td>
<td>Annual EAS Business Meeting</td>
</tr>
<tr>
<td>Noon - 1:30 PM</td>
<td>Lunch (Master Beekeepers’ Luncheon and Meeting, Regents Dining Room)</td>
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</tbody>
</table>

### Afternoon Sessions in New Science Building

<table>
<thead>
<tr>
<th>Time</th>
<th>Beginners</th>
<th>Big Pictures</th>
<th>Advanced Beekeepers</th>
<th>Apiary Hopkins/Keller</th>
<th>LAB (12 per Class)</th>
<th>Kitchen</th>
<th>Kids Bee Camp, Berea College, Berea, KY</th>
<th>Bee Culture</th>
<th>Master Beekeepers</th>
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</thead>
<tbody>
<tr>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
<td>TBA</td>
<td>Outside NSB</td>
<td>NSB</td>
<td>NSB</td>
<td>SRL, Berea, KY</td>
<td>TBA</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Queens</td>
<td>Pollinator</td>
<td>Propolis</td>
<td>Hygienic</td>
<td>Bee Anatomy</td>
<td>Honey Cookery</td>
<td>Kids Camp</td>
<td>Soaps</td>
<td>Diana Sammataro</td>
</tr>
<tr>
<td></td>
<td>Kent Williams</td>
<td>Stewardship Council</td>
<td>Thomas Janini</td>
<td>Sean Clark</td>
<td>Don Coats</td>
<td>Azur Chef</td>
<td></td>
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<tr>
<td></td>
<td>Williams</td>
<td>Michelle Colopy</td>
<td></td>
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</tr>
<tr>
<td>2:15 PM</td>
<td>Kent Williams</td>
<td>Pollinator</td>
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<tr>
<td></td>
<td>Williams</td>
<td>Stewardship Council</td>
<td>Thomas Janini</td>
<td>pollinators</td>
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<td>pollinators</td>
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<td></td>
<td>Williams</td>
<td>Michelle Colopy</td>
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</tbody>
</table>

### Breakout Session #1

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00 PM</td>
<td>Feeding Bees</td>
</tr>
<tr>
<td>3:15 PM</td>
<td>Michael Palmer</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Costa Rica</td>
</tr>
<tr>
<td>3:45 PM</td>
<td>Berry Brosi</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Queens</td>
</tr>
<tr>
<td>4:15 PM</td>
<td>Insemination</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Jeff Harris</td>
</tr>
<tr>
<td>4:45 PM</td>
<td>Top Bar</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Hives</td>
</tr>
<tr>
<td>5:15 PM</td>
<td>Chrissy Hemenway</td>
</tr>
<tr>
<td>5:30 PM</td>
<td>Meghan Milbrath</td>
</tr>
<tr>
<td>5:45 PM</td>
<td>Greek Baklava</td>
</tr>
<tr>
<td>6:00 PM</td>
<td>Susan Cocalas</td>
</tr>
<tr>
<td>6:15 PM</td>
<td>Kids Camp</td>
</tr>
<tr>
<td>6:30 PM</td>
<td>Bees in Burundi</td>
</tr>
<tr>
<td>6:45 PM</td>
<td>Kelly Watson</td>
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### Breakout Session #2

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00 PM</td>
<td>Testing Chronic Effects of Pesticides on Honey Bees</td>
</tr>
<tr>
<td>3:15 PM</td>
<td>Jessica Louque</td>
</tr>
<tr>
<td>3:30 PM</td>
<td>Erin Forbes</td>
</tr>
<tr>
<td>3:45 PM</td>
<td>Queen Yard</td>
</tr>
<tr>
<td>4:00 PM</td>
<td>Jennifer Berry</td>
</tr>
<tr>
<td>4:15 PM</td>
<td>Trachael Mites</td>
</tr>
<tr>
<td>4:30 PM</td>
<td>Ed Holcombe</td>
</tr>
<tr>
<td>4:45 PM</td>
<td>Appalachian Cooking</td>
</tr>
<tr>
<td>5:00 PM</td>
<td>Joyce Pinson</td>
</tr>
<tr>
<td>5:15 PM</td>
<td>Kids Camp</td>
</tr>
<tr>
<td>5:30 PM</td>
<td>EKU-NSF Grant</td>
</tr>
<tr>
<td>5:45 PM</td>
<td>Martin Brock</td>
</tr>
<tr>
<td>6:00 PM</td>
<td>Master Beekeepers Exam Results</td>
</tr>
</tbody>
</table>

### Breakout Session #3

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 PM</td>
<td>Banquet</td>
</tr>
</tbody>
</table>

### Keen Johnson

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 PM</td>
<td>Banquet</td>
</tr>
</tbody>
</table>

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ZumBEE, The Ravine
Powell Dining
Keen Johnson Bldg
Opening Welcome
Plenary #1
Plenary #2
EAS 2015, University of Guelph, Guelph, Ontario, Canada
Annual EAS Business Meeting
Breakout Session #1
Breakout Session #2
Breakout Session #3
Keen Johnson
The 2014 EAS Honey Show

I'm writing this entry for the EAS winter journal to talk about the 2014 honey show, this year in Richmond, Kentucky. As Honey Show Chair, I have a question for you all. Why can't we attract more participation in our show? This past October, I had the opportunity to attend the National Honey Show, in Weybridge, England. And what a show it was, with row after row and bench after bench, filling two rooms with carefully prepared entries.

I attempted to reestablish the EAS Honey Show in 2012, when the annual conference was in Burlington, Vermont. With 78 exhibitors, I thought it was a good start for future shows. Last year in West Chester, Pennsylvania, the number of exhibitors dropped to 47. What’s up with that? For the last two years, there have been more than 750 people registered for each meeting. Seventy-eight and forty-seven participants in the honey show, from more than seven hundred fifty registered each year, is a sad showing.

When I first proposed re-instating the show, I was warned not to bother. Judges are hard to come by, prizes are too expensive, and beekeepers really don't care about showing off their products. Really? Or is it Really! Well, finding good judges was nothing more than asking the right people. Sponsors came on board and donated enough funds to cover ribbons and silver awards. In fact, there were more companies and associations wanting to be sponsors than were needed for show awards.

After attending the largest and oldest honey show in the world, I have to ask, "What's wrong with our American beekeepers?" I know we’ll never catch up with the UK, as they have been at it since the 1800s, and the prizes awarded are spectacular trophies...some first awarded in 1921. But think about it. We should be able to have a better showing from our membership than 6% of those registered at the annual conference, shouldn't we?

Part of the problem is surely lack of education and enthusiasm at the state level. Does your state run any workshops devoted to preparing products of the hive for the store shelf? What about the show bench? You all have winter, spring, and summer meetings. Wouldn't it be appropriate to host a workshop on the topic? Would it be too much to ask that you request your associations to include workshops, with the intention of educating beekeepers on preparing their honey and other products of the hive for shelf and show? I can see that alone increasing the enthusiasm for, and participation in our EAS Honey Show.

Well, it’s time; time to start thinking about the 2014 EAS conference. Should you go this year? You already know there will be informed speakers and great workshops. You already know you’ll see old friends and make new ones. The confer-
ence takes place at a time when most of the summer bee work is finished. Nucs made up as next year’s heifers are building up and those colonies with old queens have been requeened. The main flow has finished, and extracting is well under way. I would say it’s a good time to take a break. With honey in the tank, you’re busy filling jars for friends and customers. Good, isn’t it? Those bees of yours worked hard, and the honey they made for you is something special. Isn’t it? So, should you go this year? I think you should, and I think you should take along some of that special honey and enter the honey show.

In 2014, the Honey Show will see some changes. In the past, there have been issues with some of the rules governing the show.

The Honey Show will now have four classes: light, amber, dark, and creamed honey. Reducing the number of color classes in the extracted honey competition from six to four seemed only logical. Many of those beekeepers exhibiting extracted honey really aren’t sure into which class their honey should be entered. Is their honey white or light? Is it light or light amber? Every year the judges have to reassign entries to the correct classes. So, in order to simplify things, we eliminated the white and extra light amber classes.

Another show rule that had real issues was the moisture content rule. The EAS honey show accepts entries from across North America and in some years there have been entries from overseas. These honeys come from a large number of floral sources and a varied number of local climates. Honey produced in northern Vermont will likely have different moisture content than honey produced in central Alabama. Clover honey produced in Ohio will have different moisture content than clover honey produced in North Dakota. The USDA says honey should have moisture content between 15.5% and 18.6%. In the past, honey show entries could have entries most years, the number of classes has been reduced from seven to four. See the show rules for details.

Locating the show in a prominent area of the annual conference should be at the top of the list of changes to be made. I have been promised that in both Kentucky 2014, and Ontario 2015, the honey show will be in the vendor’s area. While people will be asked to watch from a distance, for the first time the show will no longer be hidden from view. Conference attendees will be able to observe the registration process, and see how the stewards handle each entry, from registration table to show bench. For the first time in the history of the Eastern Apicultural Society Honey Show, the judging will be open to viewing. I expect this will give a greater appreciation of just what a big job the judges actually do.

I thought the silver plates awarded at the last two conferences were beautiful and would inspire folks to enter the show. I guess I was wrong. This year we will sweeten the pot a little bit more. As an enticement to attract more folks to enter the shows, several awards will be made. Colored ribbons will be awarded to the first 6 places in each class. Each ribbon will receive points based on the color. Blue receives 10 points, red 6, white 4, etc. Silver plates will be awarded in the following categories: Extracted Honey, Comb Honey, Black Jar, Beeswax, Mead/Honey Beer, Honey Cookery, Gadgets, Arts and Crafts, and Photography. In addition, a silver plate (The Sweepstakes Award) will be given to the exhibitor who gleans the most points from their ribbon winning entries. A silver bowl will be awarded to the blue ribbon entry from among all the show classes that, in the opinion of the judges is the best entry in the 2014 EAS Competitive Show.
The 2014 EAS Honey Show Continued from page 13

In addition, to sweeten the pot, monetary awards will be made. The winner of the Best of Show award and the Sweepstakes award will receive a refund of their conference registration fee. Winners of the 9 remaining silver plates will receive a $100 refund of their registration fee. No exhibitor will receive a refund totaling more than the registration fee they paid.

While our sponsors will be covering most of the costs involved with running the Competitive Show, there are more expenses that need to be covered. To help defray these extra costs, the Honey Show committee will include blue ribbon honey in the Thursday night auction. Blue ribbon winners in the Honey Show are asked to donate one jar or comb of their winning entry to the auction. Blue ribbon winners in the other shows may donate their entry if they wish.

So what about it? It’s okay to show off. You deserve it. You really do. And I understand that most of you have never done this kind of thing before. We all have to start somewhere. If you need help in preparing your entries, there are plenty of online resources. Go to the EAS website, click on the 2013 honey show tab, and then the link for articles, preparing for the show. Watch the excellent videos posted by Virginia Webb, winner of many honey show awards including the EAS Best of Show and Sweepstakes awards for 2012.

In closing, I just want to include something I heard at EAS last summer. Now, don’t get mad at me, for I’m only the messenger. I heard some beekeepers who claimed that North Carolina honey was better than Kentucky honey, and someone else was positive that Ohio honey was better than both of them, hands down. Well, I have a special place in my heart for Vermont Basswood comb honey, and I think there’s no finer, but whether or not it’s better than what Ohio beekeepers can make, I’ll allow the judges to make that decision.

See you at the show.

Michael Palmer is the EAS Director from Vermont (St. Albans, Vermont) and has made it his mission to build a world-class Honey Show at EAS. He was impressed by the Honey Show at the first EAS which he attended. You can see Michael running around with refractometers, testing the specific gravity of every honey that he can find, and perhaps a mead or honey beer, also.

<table>
<thead>
<tr>
<th>EAS 2014 Annual Honey Show Schedule</th>
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<tbody>
<tr>
<td><strong>Drop Off Show Entries</strong></td>
</tr>
<tr>
<td>New Science Building Registration Area</td>
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<tr>
<td><strong>Tuesday</strong></td>
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<tr>
<td>1:30-4:30 p.m.</td>
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<tr>
<td><strong>Wednesday</strong></td>
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<tr>
<td>10:30 a.m.-noon &amp; 1:30-3:00 p.m.</td>
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</table>
2013 EAS Show Rules & Judging Criteria

The purpose of the EAS competitive shows is to provide a competitive forum directed toward improvement of the products of beekeeping. This policy statement is intended to establish guidelines to clearly define the rules/standards for you to achieve this goal.

As the show is to be a competition, it is fundamental that all exhibitors know in advance the judging criteria for each class and follow the rules herein. The Honey Show Committee is responsible for drafting policies, rules and judging criteria and for disseminating information. Judges will adhere to the Committee's policies and rules. Annually, the committee within the host state will be responsible for:

1. Allocating space for the show and arranging entries.
2. Compliance with show rules and judging criteria.
3. Obtaining qualified judges.
4. Cooperating with EAS Treasurer in obtaining awards.
5. Accepting entries and opening show at a predetermined, published time.
6. Within three weeks following the Show, fill out a yearly comparison sheet and make recommendations for future shows.
7. Record all Blue Ribbon winners for the EAS, and other Journals.

The Honey Show judging criteria are designed to reflect the skill of the exhibitor. Items over which the exhibitor has no direct control will be de-emphasized. For example, natural flavor or color of honey will not affect scoring, but alteration of either color or flavor in handling or preparation of the entry by the beekeeper will adversely affect the score. Likewise, manufacturing defects in glass jars and bottles will not affect scoring, but surface dust, smudges, scratches, chips or other handling alterations on entry containers will adversely affect the score.

Honey Show judges may be professors of apiculture, or students of apiculture under a professor’s supervision, blue-ribbon winners of local, state and/or regional honey shows, or Professionals judging in their fields, such as crafts, mead or cooking. Judges must completely fill out a score card for each entry. If an entry is disqualified the reason for disqualification must be stated on the score card.

Judges should make comments on score cards in order to help the exhibitor improve. The score cards and entries are the property of the exhibitor. Judges must break all ties.

General Show Rules

1. All exhibitors MUST BE current dues-paying members of the Eastern Apicultural Society. If NOT registered for the current conference, proof of current paid dues status must be submitted at the time of making entries.
2. Only one entry in each class may be made by an individual or that individual’s family, or that individual’s apiary.
3. At the time of entering, the stewards will place a small label, with the exhibitor’s number and class, inconspicuously on the entry. The purpose of these small randomly numbered labels is to keep track of entries in a book in case of ownership disputes.
4. Separate section or class rules will apply.
5. Identifying labels on the entries are forbidden. In Arts & Crafts & Gift Arrangements classes, if the exhibitor’s name and/or apiary are an integral part of the entry, names are permitted.
6. The exhibitor must choose which classes to place entries in. Judges may adjust classes at their discretion.
7. Entries can only be made during the hours published.
8. Entries must be left intact and on display until released by the Show Superintendent.
9. No commercial products or displays are permitted.
10. No EAS entry can be submitted again for three years.
11. The decision of the judges in all cases will be final.
12. Entries will not be accepted by mail.
13. The Show Superintendent has the authority to accept, reject and classify entries in accordance with the show policies, rules and judging criteria.
14. Any exhibitor wishing to protest must do so to the Show Superintendent within one hour of the public opening of the show.
15. EAS assumes no liability for loss or damage of entries. Although EAS will exercise all due care in judging and displaying entries exhibitors enter items at their own risk.
16. Entries not claimed by the end of the conference will be disposed of by the Show Superintendent.

Honey Show
Class Descriptions

Extracted Honey

H1* Three 1-lb jars of honey, extracted, light
H2* Three 1-lb jars of honey, extracted, amber
H3* Three, 1-lb jars of honey, extracted, dark
H4* Three 1-lb jars of creamed honey

Comb Honey

H5 Three section boxes of comb honey
H6 Three packages of cut-comb honey, 4” square
H7 Three circular sections of comb honey
H8 Three 16-oz jars of chunks honey
H9 One frame of comb honey, any size, wooden or plastic

Black Jar One opaque glass jar containing any color of honey. Exhibitor will provide their own opaque container.

1. Entries in classes H1-H4 marked *, must be in Queen-line type jars, and may have plain metal or plastic lids. Canadian and International exhibitors may enter Classes H1-H4 with 500 gram universal jars; Classes H4 and H8 with 500 gram barrel-type jars.
2. Entries in class H11 must be displayed in bee-proof cases having the front and back sides made of transparent glass or plastic. All six sides of the frame of honey must be visible to the judges.

3. Entries in classes H5, H6 and H7 must be in the appropriate container: window cartons; round section lids – both sides transparent; cut-comb box – all sides transparent.

4. Entries in classes H4 and H8 should be in cylindrical jars.

5. Honey color classes H1-H3 will be determined by the Show Chairman. An official honey color grader may be used to make the final decision.

6. All entries must be the product of the exhibitor’s apiary and have been produced since the previous EAS Honey Show.

Judging Criteria

Extracted Honey
Classes H1 to H3, MAX. POINTS

1. Density 20 (water content above 18.6% & below 15.5% will be disqualified)
2. Absence of crystals 7
3. Cleanliness 30 total (Without lint – 7; without dirt – 10; without wax – 7; without foam - 6)
4. Flavor 8 (Points will be reduced ONLY for honey flavor adversely affected by processing)
5. Color 5
6. Container appearance 10
7. Accuracy/Uniformity of filling 20 (Headroom: ½ inch maximum, 3/8 inch minimum with no gap between honey level and cap)

Creamed Honey
Class H4, MAX. POINTS

1. Fineness of crystals 30
2. Uniformity & firmness of product 25
3. Cleanliness & freedom from foam 20
4. Flavor 15 (Points will be reduced for honey flavor adversely affected by processing). (Disqualified for fermentation)
5. Accuracy of filling and uniformity 10

Comb Honey
Classes H5, H6, MAX. POINTS

1. Uniformity of appearance 20
2. Absence of uncapped cells 10
3. Uniformity of color 15
4. Absence of watery cappings 10
5. Cleanliness and absence of travel stains 15
6. Freedom from granulation and pollen 10
7. Uniform weight of each section 10
8. Total weight of entry 10

Cut Comb Honey
Class H7, MAX. POINTS

1. Neatness and uniformity of cut, absence of liquid honey 20
2. Absence of watery cappings, uncapped cells and pollen 20
3. Cleanliness of product, absence of travel stains, crushed wax 20
4. Uniformity of appearance 15 (color of honey, capping structure, thickness of comb; lack of crystallization)
5. Uniformity of weight 10

Chunk Honey
Class H8, MAX. POINTS

1. Neatness and uniformity of cut 20 (Upgrade for parallel & 4-sided cuts; downgrade for ragged edges)
2. Absence of watery cappings, uncapped cells and pollen 20
3. Cleanliness of product 20 (Down-grade for travel stains, foreign matter, wax, foam or crystallization)
4. Uniformity of appearance in capping structure, color, thickness of chunks and accuracy and uniformity of fill 20
5. Density and flavor of liquid portion of pack 20 (Entries will be disqualified for fermentation or moisture content of liquid portion above 18.6% & below 15.5%)

Frame of Honey
Class H11, MAX. POINTS

1. Uniformity of appearance 25
2. Absence of uncapped cells 20
3. Uniformity of color 15
4. Absence of watery cappings 10
5. Cleanliness and absence of travel stains 20
6. Freedom from granulation and pollen 10

Black Jar of Honey
To be judged solely on the merits of its taste.

Beeswax Show

Class Descriptions

B1 Single piece, pure beeswax, 2 lbs or more
B2 Candles, dipped tapers, one pair, pure beeswax
B3 Candles, molded tapers, one pair, pure beeswax
B4 Candles, novelty, single or coordinated set, containing beeswax

1. Entries in Class B1 must be covered with clean, transparent plastic film.
2. The optimum color for pure beeswax in Classes B1-B3 is light canary to straw yellow.

Judging Criteria

Class B1, MAX. POINTS

1. Cleanliness 35
2. Uniformity of appearance 20
3. Color 15
4. Aroma 15
5. Absence of cracks & shrinkage 15

Classes B2-3, MAX. POINTS

1. Cleanliness, color, quality of wax 25
2. Uniformity of appearance and shape 25
3. Uniformity of pair 25
4. Finishing details: 25
   a. For molded: flat, finished bottom, wicks trimmed to ½”
   b. For dipped: last drip left on, wicks left joined

Class 4, MAX. POINTS
1. Cleanliness & quality of wax 25
2. Design & overall appearance 25
3. Finishing details wick trimmed to ½”, flat, finished bottom 25
4. Originality 25

Mead & Honey Beer Show
Class Descriptions
M1 Mead, dry, one bottle
M2 Mead, sweet, one bottle
M3 Mead made with fruit juices [Molomel, Cyser or Pyment], one bottle
M4 Mead, sparkling, made with or without fruit juices, one bottle
HB1 Honey Beer; light-to-medium bodied ale or lager using honey as 15-30% of fermentables.
HB2 Braggot; Medium-to-strong ale using honey as 35-65% of fermentables
1. All wines/beers should have been made by the exhibitor by the process of fermentation. In classes 3 and 4 the type(s) of fruit used must be included on a 3” x 5” card to accompany each entry. The card must have the exhibitor’s number on it.
2. Still wines should be exhibited in clear (not frosted), colorless (not tinted), wine bottles of approximately 750 ml or 25.4 fluid ounce capacity. Beers should be exhibited in plain, unmarked, brown glass, 12 ounce, capped beer bottles. Sparkling wines must be exhibited in champagne-type bottles such as the domestic (U.S.) Champagne bottle.
3. Natural cork stoppers are preferred for mead entries but screw top wine bottles or plastic corks may be used in classes 1-3. Corks may be straight cork or flanged and machine or hand-applied. Straight corks should be seated an eighth of an inch below the top of the bottle.
4. Entries must not have any identifying labels on the bottles.
5. Wine bottles should be filled so that when the cork is pushed right home, the air space is between ¾” & 1” in depth. Sparkling wines should have an air space of 1” to 1-1/4”. Beer bottles should be filled so the air space is between ½” and ¾” below the cap.

Judging Criteria
Still Sparkling Honey, Meads Mead Beer Braggot
- clarity, color 10 10 10 10
- flavor, body 50 40 40 40
- bouquet/aroma 20 20 20 20
- bottle 10 10 10 10
- bottle closure/cork 10 10 10 10
- carbonation — 10 10 10

Arts And Craft Show
Class Descriptions
A1 Gift Arrangement
A2 Sewing or needlework items
A3 Novelty beeswax with additives permitted
A4 Misc. arts and crafts
1. All items must have a beekeeping theme.
2. Exhibitor must submit estimate of time to make item.
3. Small changes to commercial items or copies of commercial items may be downgraded.

Judging Criteria
Class A1, MAX. POINTS
1. General appearance 30
2. Originality 30
3. Quality of honey & products 25
4. Variety of products 15

Classes A2-4, MAX. POINTS
1. Artistic Merit 25
2. Originality 25
3. Skill involved 25
4. Design 25

GADGET SHOW
Class Descriptions
G1 Large devices (honey extractors, wax equipment, etc.)
G2 Small devices
All entries must be accompanied by a typed or written explanation. This is to be used by the judges in scoring.

Judging Criteria
Classes G1 & G2, MAX. POINTS
1. Explanatory text 25
2. Practicality 35
3. Ease of reproduction 15
4. Help to beekeeping 10
5. Originality 15

Honey Cookery Show
Class Descriptions
C1 Cookies, Bars, or Brownies: 1 dozen, no frosting or decoration
C2 Yeast Bread (1 loaf) or Yeast Rolls (1 dozen)
C3 Cake (1) or Muffins (12): no frosting or decoration
C4 Candy: 1/2 lb. or 12 pieces
1. At least 25% of sweetening agent must be honey.
2. Entries must be accompanied by the recipe as used, printed on 3”x5” cards in duplicate, without the name of the exhibitor.
3. EAS reserves the right to publish the recipes.
4. Entries must be presented on plain paper or foam plates, in dome top cake carriers, or on cardboard covered with foil. Plates and covers will not be furnished by the Show Committee.
5. Enter all cakes, breads, rolls and muffins un-sliced.
2013 EAS Show Rules & Judging Criteria, continued

Judging Criteria
Classes C1-C3, MAX POINTS
  General Appearance 20
  Flavor 35
  Texture, grain, moisture, uniformity of color 30
  Lightness 15
Class C4, MAX POINTS
  Attractive appearance 20
  Flavor 35
  Texture 25
  Handling quality in serving 20

Photography Show
Class Descriptions
P1 Close-up/macro print; Subject must relate to beekeeping
P2 Scenic, print; Apiary subject such as flowers, hives, etc.
P3 Portrait, print; Person or beekeeping procedure in appropriate setting
P4 Essay, prints; A set of from 4 to 7 pictures depicting a beekeeping story.
1. The photo contest is open to all amateur photographers.
2. Prints must be 5” x 7” inches or larger, mounted on a mounting board that extends at least one inch beyond the print on each side. No frames are permitted. Essay prints may be mounted on one mounting board.
3. Prints may be black & white or colored.
4. Photographs can be entered only once in any EAS show.
5. Each photograph, including the Essay as a set, must be accompanied by a 3” x 5” card giving: photo title, entrant’s name, address, city, state, zip or postal code, and telephone. The card must state the class entered.
6. Brief captions must accompany the Essay photographs. The order of Essay photographs must be indicated clearly.
7. Winners must agree to have their photos published by EAS in any/all appropriate publications.

Judging Criteria
Classes P1-P4, MAX. POINTS
  1. Composition 35
  2. Treatment of subject matter 35
  3. Quality and presentation 30

To Stimulate Competition:
In order to encourage more people to participate in the EAS Honey Show, the Honey Show Committee is pleased to give the following awards. Each will receive an engraved silver plate

Extracted Honey
Comb Honey
Mead and Honey Beer.
Arts and Crafts
Gadgets
Beeswax
Honey Cookery
Photography
Black Jar

Sweepstakes Award
The Sweepstakes Award will be given to the entrant who amasses the most total points in the show. More entries...more possible points! Here is the point system that will be used:

Prize Ribbon Points
  1st Blue 10
  2nd Red 6
  3rd White 4
  4th Yellow 3
  5th Green 2
  6th Pink 1

Best of Show.
An engraved silver bowl given to a blue ribbon class winning entry deemed by the judges to be the best entry in the EAS Competitive Show.

Additional Awards
- In addition to the silver awards given to exhibitors for their winning entries, additional cash awards will be made.
- Best of Show: Refund of conference registration fee.
- Sweepstakes Award: Refund of conference fee.
- Silver Plate winners: Refund $100 of conference fee.
- Note: To receive a cash award, the exhibitor must have paid their conference registration fee. No exhibitor will receive a refund totaling more than the registration fee they paid.
- The Gamber Award: 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.
- Auction: To help defray the cost of the EAS Competitive Show, the Honey Show Committee would like to include blue ribbon honey in the Thursday night auction. Blue ribbon winners in the Honey Show are asked to donate one jar or comb of their winning entry to the auction. Blue ribbon winners in the other shows may donate their entry if they so desire.
News from EAS
Master Beekeepers

Congratulations to the Master Beekeeper Class of 2013

Please welcome the newest certified EAS Master Beekeepers: Warren Graham, PA; Todd Harding, VA; Andrew Jones, PA; Frank Licata, PA; Ralph (Buddy) May Jr., SC; Richard McLaughlin, Jr., ME; Brian Pride, ME; Cybil Preston, MD; Gary Ranker, FL; Chris Rogers, ME; Robert Sears, MO; Cory Stevens, MO; and Frank Wyatt, Jr., NC.

The EAS Master Beekeeper Certification Committee Now Accepting 2014 Applications

The Master Beekeeper Certification Committee would like to invite qualified EAS members to apply for this year’s certification exam. Persons interested in applying should have a minimum of five years as a serious beekeeper in some aspect of apiary management, such as a very dedicated hobbyist, a commercial beekeeper, working for a commercial beekeeper, or as an apiary inspector. Anyone wishing to take the Master Beekeeper Certification Exam should submit an application and recommendation by email to mbcertification@easternapiculture.org or by mail to Carol Cottrill, Master Beekeeper Certification Committee, 164 Wyman Hill Road, Rumford, ME 04276. The application and recommendation forms can be downloaded from the EAS website or requested from the MB Certification Committee. The deadline for application is July 1, 2014. More information about the Master Beekeeper Certification application process and the exam can be found on the EAS website, www.easternapiculture.org, by hovering over Master Beekeepers and then clicking on Certification.

There will be an open review session on Monday evening, July 28, 2014. The written and oral exams are scheduled for Tuesday, July 29, 2014, and the laboratory and field exams on Wednesday, July 30, 2014.

The Master Beekeeper Certification Committee will be happy to answer questions; please email mbcertification@easternapiculture.org

Reminder to Master Beekeepers providing recommendations for candidates: you need to use the recommendation form available on the EAS website. Recommendations are to be submitted to the Certification Committee (not the candidate). If you are asked to submit a recommendation and are not comfortable with the person’s suitability, please let the candidate know (with suggestions on what could be done to prepare for the exam at a later time)—do not just write an empty recommendation.

Suggestions on How to Prepare for the Master Beekeeper Certification Exam

For the past several years, Maine Master Beekeeper Erin Forbes has held study sessions for local beekeepers who were planning to take the certification exam. They meet weekly for several weeks to review materials, ask questions and share information. Three of the “Class of 2013” shared some of their thoughts on preparing for and taking the certification exam.

Richard McLaughlin told us that it was great to sit around with others and talk in depth about honey bees and beekeeping. During the prep, and throughout the whole experience, he had the opportunity to make new friends with the other candidates. They developed a camaraderie as they were all going through the same experience. He feels that taking and teaching bee schools, and attending EAS all helped in his effort to becoming a Master Beekeeper. He found that running open hive sessions, mentoring new beekeepers, and getting involved in the local and state organizations helped prepare him to be comfortable speaking to and interacting with other beekeepers. Spending the week at EAS prior to the exams and listening to as many lectures as possible also helped reinforce what he
Meet and Greet Candidates | Monday | 1:30 p.m.– 2:30 p.m. | NSB 4112
---|---|---|---
Exam Study Groups | Monday | 2:30 p.m.– 4:00 p.m. | NSB 4112
MB Exam Volunteers’ Dinner | Monday | 5:00 p.m.– 7:00 p.m. | Casa Fiesta Mexican Restaurant
Exam Review | Monday | 7:00 p.m.– 9:00 p.m. | NSB 4112
Written Exams | Tuesday | 8:30 a.m.– 12:30 p.m. | NSB 4112
Oral Exams | Tuesday | 10:00 a.m.–4:00 p.m. | TBA
Field Exams | Wednesday | 8:30 p.m.– 12:30 p.m. | NSB 4112
Lab Exams | Wednesday | 10:00 a.m.–4:00 p.m. | Beeyard
Annual Meeting (Requires Friday lunch ticket) | Friday | noon– 1:30 p.m. | Regents Dining Room
Exam Review (Candidates receive scores and get questions answered.) | Friday | 3:00 p.m.– 5:00 p.m. | TBA


had already studied. He said that those at the conference who volunteered were very warm and welcoming. He made many friends in the process and looks forward to the opportunity to give back to future Master Beekeeper candidates.

Chris Rogers said he noticed the vastly different experiences each of the candidates taking the exam brought to their study sessions. Each had differing backgrounds; we all knew things that the others didn’t, yet we all had the same goal of becoming Master Beekeepers. He was glad they had the study sessions before going to EAS Pennsylvania, plus it was nice to have familiar faces there during the testing. He also noted the real hard work and dedication of the Master Beekeepers giving the examinations. The nice folks doing the testing were at times literally running to make sure all the testing got completed on time. Just observing these individuals giving their time for our testing really earned my respect.

After Brian Pride decided he was going to take the exam, he began by reviewing the suggested books and discussed exam strategies with other Master Beekeepers. He said the study group pointed out where his knowledge was lacking and where he needed to brush up on facts. He found that practice with sample tests—especially the oral exam—helped put him at ease so that he could focus on the content and not the process. He noted that most of the material you either know or you don’t; it is not a memorization thing. You can’t just read a book the night before and pass the tests; you have to depend on your experience and knowledge to do well. He states he is thrilled to be an EAS Certified Master Beekeeper and looks forward to carrying out the Master Beekeeper’s mission of education and assistance to new and existing beekeepers.

EAS Master Beekeeper Call for Volunteers

We will need a number of volunteers for this summer’s Master Beekeeper examination. Please contact Landi Simone, Landi.S@Verizon.net, if you can help with the oral exam or Barry Thompson, BHT1113@aol.com, to help with the field exam.

The MB certification exam will take place on Tuesday and Wednesday during the EAS short course at Kentucky—this will allow volunteers (and the candidates) more time to attend the conference activities.

Master Beekeeper Youth Scholarship Fund

At the EAS 2013 West Chester, $247 was collected in donations for the Master Beekeeper Youth Scholarship Program. Those who donated received an EAS bumper sticker. The balance in the fund is now $1,317.
Master Beekeeper Director’s Corner

First, thanks to all the MB volunteers/attendees who elected me as EAS MB Director to the EAS Board last August. It made me feel all warm and fuzzy inside to think you guys trust me enough to represent you on the EAS Board. I promise to do my very best to live up to that trust and hope I don't embarrass myself too badly trying to follow in Brenda's footsteps!

We have a lot on the drawing board this year. With Dr. Dewey Caron as our new academic advisor, we’ve begun a review and revamping of all of our policies and our exam procedures, which I feel confident is going to make the whole process run more smoothly, both for the candidates and the many volunteers who help to test them. One of the biggest changes is to move the testing from Thursday to Tuesday (written and oral) and Wednesday (laboratory and field). I’m very grateful to Dewey and to the Master Beekeepers, who have been diligently serving on the various committees. It’s delightful to work with such a bright bunch of people, and ideas have been flowing like warm honey.

It’s not too early to volunteer to serve on the oral and field exam testing panels, and we sure could use your help. If you’re nervous about volunteering, be reassured that we are in the process of creating WRITTEN guidelines that will be sent to volunteers well in advance of the conference, so you will know exactly what is expected.

Carol Cottrill has done some great work chairing the MB Certification Committee, and one of her ideas that I’m most excited about is that she’s looking to arrange a dinner on Monday night for all the volunteers—free of charge! It’ll be a great chance to get together, catch up on news, and ask any questions we might still have about procedures.

Something else we plan to get going this year is the Master Beekeeper Youth Scholarship. We have the money to do it, and are getting the methods in place for offering the scholarship and picking the best candidate. So if you know a young person, aged 18 to 25, who really digs bees, has been keeping bees at least a year, and would like to attend EAS, alert them to this opportunity. Details should be finalized within a month and we’ll have something on the EAS website.

And in case you didn’t know, the EAS Master Beekeepers have a Facebook page! Check it out. There’s photos and news about quite a few of our members. I would love to see more of what everyone is up to, and think Facebook is a great way to keep in touch, even if you only peek at it once every few weeks.

See Y’all in Kentucky! – Landi Simone

Master Beekeepers – Doing Their Duty

Ralph C. (Buddy) May, Jr. has passed the South Carolina Master Beekeeper Exam and is now an “Ambassador to Bee Keeping”. He wanted to thank everyone for their support and encouragement at the EAS Conference. He said it was really appreciated and will not be forgotten!

Dana Stahlman, MB Class of 1995, has worked with the Ohio State Beekeepers over the years to promote queen rearing. Although he has retired from bee meetings and giving talks, he keeps up on current beekeeping issues and keeps eleven hives. He has contributed a number of articles for various club newsletters and now has written a series of articles for the Kelley Newsletter (June through August 2013 issues), including one about an abandoned commercial bee yard near a new home he bought. The commercial operation abandoned ten bee yards in the area and he has permission to clean up and take anything in the yards. He is working with a new beekeeper in an effort to visit the sites and possibly locate surviving hives. The yards have not been managed for over ten years, are overgrown, and the equipment has rotted into the ground. There is a complete history of the bees back to 1938 and part of the story is that of the demise of a proud beekeeping family and the mystery of why the bees were abandoned.

David Burns and Jon Zawislak host a weekly call in beekeeping radio program that debuted October 1, 2013. Hive Talk with Dave and Jon is a new beekeeping internet and radio program for listeners to call in and ask beekeeping questions.

Steve Repasky has a new book Swarm Essentials with Lawrence J. Connor. Swarm Essentials outlines the ramifications of swarming behavior (highlighting the often overlooked benefits), proven prevention and management techniques, and how to recover and even prosper from a successful swarm attempt.

Barry Thompson judging in NJ
2014 Varroa and Nosema Survey Project

The Eastern Apiculture Society (EAS) has joined with the Bee Informed Partnership (BIP) to assist small scale and hobbyist beekeepers to assess and track Varroa and Nosema.

Twenty-one EAS members are participating, surveying four hives in a single bee yard. Each month, the beekeeper takes samples of the same four hives from April through September and sends them in to BIP. In return, the beekeepers receive a monthly report showing Varroa and Nosema test results. You can read more about the protocol at:

http://beeinformed.org/tier-4-protocol/

The normal cost of this project has been $240; however as a benefit of your EAS membership, EAS is reimbursing $120 upon successful completion of the survey.

The survey is closed for this year. However, if you are interested in participating in a similar survey next year, please contact your state or provincial EAS director.

Honey Exchange

Want to try out some different honeys? Exchange up to three jars of honey with another beekeeper!

Drop off up to three jars of honey, clearly labeled, when you arrive at the Registration Desk. You will receive a ticket for each jar. After noon on Friday, bring your tickets and exchange the tickets for jars of honey.

It’s as simple as that.
EAS 2014 is being held at Eastern Kentucky University, Richmond, KY. Vendors will be in the New Science Building. We will have breaks in this building very near the vendor area to insure lots of traffic for you.

This year the vendor area will be open Tuesday-Friday.

**Booth.** Each single booth includes one 6’ table, plus two chairs. The cost for a single booth is $150 and the cost for a double booth is $300.

**Meals.** No meals are included in the cost of your booth. Lunch at the EKU cafeteria can be purchased through preregistration. Please see the registration form for the pricing on this and our Special Events for Wednesday, Thursday, and Friday. Both fast food and restaurants are available very near the event, but not within short walking distance.

**Electricity.** There is no charge for electricity. However, we do need to know if you need power; so mark it on your registration form. Bring your own cordage and 2” painter’s tape or cord concealer.

**Drapery.** This year there will be no drapery provided for your booth. Please bring your own backdrop and table coverings.

**Shipping to EAS 2014:** If you are shipping items to Eastern Kentucky University, please use the following address:

Attention: EAS Meeting  
Eastern Kentucky University  
521 Lancaster Avenue  
Perkins 202  
Richmond, KY  40465

Shipped items cannot arrive before Friday, July 25. No exceptions. The university has limited storage space.

**KY Sales Tax.** It has become the norm the last several years that as vendors, you have to deal with sales tax. Kentucky is no different. You may be required to pay 6% sales.

**Set Up.** You can start setting up your booth any time Monday morning after 8:00 a.m. The vendor area will open Tuesday morning with the first break, around 10:00 a.m. The vendor room is secure and will be locked at the end of each day.

Upon arrival at EAS you’ll need to look for Annie Broyles or Bob Talkiewicz. They will be in charge of the vendor area and will help you locate and get settled into your space.

Booths will be assigned on a first come, first serve basis.

**Take Down.** Friday take down can begin after the afternoon break, around 3:00 p.m. Everyone must be out of the building by 5:00 p.m. If you are shipping items back home, please have them properly labeled, and you’ll be given instructions as to where to leave them.
SPONSOR A BREAK

Here’s what EAS makes available to our attendees.

<table>
<thead>
<tr>
<th>Short Course</th>
<th>Main Conference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday Morning Break</td>
<td>Wednesday Morning Break</td>
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<tr>
<td>Monday Afternoon Break</td>
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<td>Friday Afternoon Break</td>
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<td>Full Break ................................$500</td>
<td>Full Break ................................$600</td>
</tr>
<tr>
<td>Partial Break ......................$250</td>
<td>Partial Break ..........................$300</td>
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</tbody>
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We appreciate the generosity of our vendors and would like to encourage you to sponsor one or more of the above-listed breaks or partial breaks. The Wednesday, Thursday, and Friday breaks will be in the plenary auditorium held in the vendor area, and signs will be prominently displayed identifying the vendor(s) who sponsor the break. Additionally your company’s name will be listed in the conference program booklet. We hope you will take this opportunity to get your company’s name before our attendees.

WHAT’S IN THE BAG? Here’s the perfect way to get your catalog, special offer flyer, or promotional items into the hands of our attendees. Small note pads with your company name phone number and web page are ideal. They do get used, and your name is always right there. An inexpensive pen with your information on it is also a good idea (you’d be really surprised at how many I see toward the end of the week getting used in the workshops). If you’re attending the meeting, this is your chance to offer a special—a coupon for 10% off, for instance. This gets people to your table. If you can’t attend, a bag stuffer allows you to still have a presence at the conference.

Cost is $100/item to be stuffed. Send us 600 of each item. Extras will be distributed by EAS Directors at state meetings. Bag stuffer items need to be received by July 15.

Please ship your bag stuffer items to:
Attention EAS BAG STUFFERS (Be sure to specify BAG STUFFERS)
Tammy Horn EKU
521 Lancaster Avenue
BTC 144
Richmond, KY 40475
ATTENTION: You may register on-line with a credit card at www.easternapiculture.org. If you are registering by mail, WE MUST RECEIVE YOUR FORM BEFORE JULY 11, 2014. After that date, you may still register on-line or during the conference. However, vendor spaces, dorm rooms, meals, and special events will not be available after July 11, 2014. Visit www.easternapiculture.org for up-to-date vendor options.

The deadline for ads (and for your company name to be included in the Program Booklet) is June 1. EKU is printing the program booklet for us, and June 1 is their firm deadline for inclusion in the program booklet.

Our Wednesday, Thursday, and Friday mornings, plenary sessions will be held in other buildings on campus, and those morning breaks will not be in the vendor area. To compensate and encourage an enjoyable and financially rewarding experience, the vendor exhibit will be extended, and the vendor area will be open for business from Tuesday morning through Friday mid-afternoon. (You can setup on Monday.) The EAS KY Team is working to bring the EAS membership traffic through the vendor area whenever possible.

First Name(s) ___________________ Last Name ______________________________

Company ___________________________________________________________________________________________________

Address _________________________________________________________ City _______________________________________

State/Prov ________________ Zip/Post Code ___________________________ Country ____________________________________

Phone ___________________ E-mail _______________________________ @ ___________________________________________

---

11. Name ________________ ☐ Mon ☐ Tues ☐ Wed ☐ Thur ☐ Fri

Page 1 Subtotal   (Sum up the values in the lines above.)   $ ________
**DORM ROOMS**

Rooms are air-conditioned. PRICE INCLUDES BREAKFAST. Linens and pillows are not included. Please bring pillows, sheets, sleeping bag, and towels. Specify any special requirements for dorm rooms in the comment section at bottom of form.

12. Single: Sun ____ Mon ____ Tues ____ Wed ____ Thur ____ Fri ____
   # of nights ____ X # of people ____ X $54 = $ _________

13. Double: Sun ____ Mon ____ Tues ____ Wed ____ Thur ____ Fri ____
   # of nights ____ X # of people ____ X $84 = $ _________

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.

14. WEDNESDAY NIGHT SQUARE DANCE with Reel World String Band. (Prize for best square dance outfit.)
   Join us for Greek gyros, dancing, and great music. Band sponsored by Walter T. Kelley Co.
   # of people ___ X $18 = $ ___________

15. THURSDAY NIGHT CATFISH BUFFET & AUCTION: A taste of Kentucky in the Keen Johnson Ballroom.
   (Each entrée includes a beer, glass of wine, or soda.)
   # of people ___ X $25 = $ ___________

16. FRIDAY NIGHT ANNUAL BANQUET
   Indicate # of each entrée:
   Kentucky Hot Browns w/country ham _____
   Portobello Mushroom Steaks (vegetarian) _____
   # of people ___ X $25 = $ ___________

**CHARITABLE DONATIONS** (EAS is a 501(c)(3) nonprofit organization.)

17. Donation to Honey Bee Research Fund (help us help honey bees). $ ___________

18. Donation to Speaker & Education Fund (help us help beekeepers). $ ___________

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

Page 1 Subtotal $ ___________

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

Please list any suggestions or restrictions that we should know about to insure that you have an enjoyable experience at EAS 2014. Be sure to include any special requirements for dorm accommodations. (All meals and special events already have vegetarian options on the buffet or as an entrée selection.)

___________________________________________________________________________________________________________

___________________________________________________________________________________________________________

___________________________________________________________________________________________________________

Mail this form with check, made payable to EAS 2014, or credit card information to:
EAS 2014 Vendor Registration, Bob Talkiewicz, 6 Dunbar Rd, Windsor, NY 13865

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!

Registration questions? Email vendor_mgr@easternapiculture.org or call Bob, 607-427-2420, or Annie, 270-554-0068.
Brainswarming

By Maryann Frazier

Bees attempting to swarm must make good decisions fast for the welfare of the colony. In addition, scout bees must work to convince their counterparts to adopt their decision/idea. In the spirit of the honey bee colony, we call our effort to do much the same thing “brainswarming.”

Honey bees, and we their keepers, are facing many challenges. Collectively beekeepers can do much to address these challenges. The question is how, as a group, do we decide which are the most important challenges, and what can be done to ignite effective change? At EAS 2013, we tried a process we called brainswarming to answer these questions.

How Brainswarming worked:
During each symposium, three to four speakers made presentations followed by a break and then a breakout session. These breakout sessions included topics related to the symposia (as well as other unrelated topics). Most symposia then concluded with an interactive group discussion involving the speakers and audience that we called brainswarming. The audience broke into three or four small groups, each headed by one of the session speakers and moderator. The goal of these small group discussions was, in 20 minutes, to generate two-three summary statements for the symposium and three action items that can be promoted, endorsed, and acted on by EAS, as an organization, and each of us, the membership, as individuals.

Clearly there is much collective wisdom within the EAS “hive.” While many great ideas are represented here, it will be necessary for us to narrow down the list to a few priorities that we as an organization want to focus on; perhaps a task worth tackling at the next EAS!

Summary of Results

<table>
<thead>
<tr>
<th>Session</th>
<th>Moderator</th>
<th>Actions to be promoted/endorsed for EAS as an organization and individually</th>
</tr>
</thead>
<tbody>
<tr>
<td>Making Peace and Places for Bees</td>
<td>Kim Flottum</td>
<td>• Develop bee-friendly habitat maps.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Work with state DOT, corporations, college campuses, and power companies to reduce areas of grass and budget for pollinator habitat.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Partner with other groups (Pheasants Forever, Arbor Society, and Audubon Society) to improve habitat.</td>
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<tr>
<td></td>
<td></td>
<td>• Educate and incentivize farmers and landowners to incorporate bee friendly practices to increase diverse habitat.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Support national efforts to improve forage across the country (through the farm bill).</td>
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<tr>
<td></td>
<td></td>
<td>• Recognize organizations/efforts to promote pollinator habitat.</td>
</tr>
<tr>
<td>Honey Bee Biology, a Deeper Understanding</td>
<td>Linda Betlejeski</td>
<td>• Engage in citizen science to enhance public understanding of bee biology (particularly learning in honey bees).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• EAS workshop devoted to training beekeepers in techniques to engage the public in activities (citizen science) that demonstrate honey bee biology.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Recruit clubs to engage in citizen use tools like Google maps, survey monkey, and develop protocols (like Cornell ornithology lab).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Build links to W. Mangum articles. He is interested in helping to promote, collect, interpret, and map the data.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Promote pollinator friendly educational gardens model after Bringing Nature Home for honey bee promote divers planting.</td>
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<tr>
<td></td>
<td></td>
<td>• Research into supplemental feeding of sugar.</td>
</tr>
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<td></td>
<td></td>
<td>• Promote research into keeping bees without chemicals treatments:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Hive orientation</td>
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<tr>
<td></td>
<td></td>
<td>• Breaking the brood cycle</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Hygienic stock</td>
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<td></td>
<td></td>
<td>• Hive isolation</td>
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<td></td>
<td></td>
<td>• XL frames</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Use of rough-sided hives to encourage propolis</td>
</tr>
<tr>
<td>Session</td>
<td>Moderator</td>
<td>Actions to be promoted/endorsed for EAS as an organization and individually</td>
</tr>
<tr>
<td>-------------------------</td>
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<td>-----------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| Building Better Bees    | Suzanne Matlock | • Provide a model (outline) of how to start a local breeding program. Selection within a region:  
• Cooperatively placing mating nucs within a region  
• Out-source breeding  
• Commercial size vs. hobby size  
• Isolated mating  
• Importance of drones’ quality  
• Pros/cons of allowing for feral bees (swarms)  
• Get Bee Informed Partnership (BIP) Tech Transfer teams working with beekeeping clubs to get technology to smaller-scale beekeepers/sideliners.  
• EAS funded research: Do supersedure rates vary in locally vs. commercially reared queens? |
| A Forager’s Challenge   | George Hansen   | • Lobby for visible bee hazard labeling...ESP for homeowner products. See European model.  
• Change FIFRA through political action (congress) based on collaboration of like-minded groups interested in pollinator protection.  
• Host a pollinator protection “summit meeting” with like-minded organizations for pollinator protection. Note challenges created by fringe groups opposed to all pesticides as well as pesticide industry, both of which are potential players in such summit.  
• Partner with like-minded organizations: Xerces, PASA, NAPPC, Sierra club, sustainable Ag, Omri, ABF, AHFA,  
• Create big partnership collaboration, for habitat protection and development, and promote increased awareness of pollinator forage enhancement programs...note UK research on habitat/pollinator relationship,  
• Educate general public, ESP children about pollinator protection issues.  
• Highlight and reward successful existing programs and efforts.  
• Inventory existing pollinator protection education programs. Have workshop at EAS showcasing such programs. Place inventory of such programs on EAS website.  
• Initiate and create dialog between researchers whose work impacts pollinators, i.e. plant pathologists (fungicides) entomologists, horticulturists.  
• Educate farming community about pollinator issues. Lobby farm communities to support pollinator protection. |
| Innovative Outreach and Partnerships | Maryann Frazier | • Encourage membership participation to participate in BeeInformed Survey.  
• *Develop partnerships with other groups (i.e., national, state and local beekeeping associations, Bee Wellness, etc.)  
• Add links and map of these on EAS website, could be developed as a Wiki so each organization responsible for their own updating. (BeeInformed may be pursuing this.)  
• Participate in Social Media (Facebook, Twitter).  
• Use the Bee Book as a resource for citizen science projects.  
• Develop a speaker’s bureau; house this list of people and their expertise on EAS website. This could also be done as a Wiki document.  
• Develop EAS membership list housed on website (membership only access). |

Maryann Frasier, Sr. Extension Associate at Penn State University, conceived the brainstorming concept for EAS West Chester last year. Maryann will be the guest speaker at the EAS Life Membership banquet at EAS Kentucky this summer. She and her husband, Jim, will share their research on pesticides and studies in Kenya. A friend to all beekeepers, Maryann can be seen collecting swarms of beekeepers around her at the Eastern Kentucky University campus.
Pennsylvania Efforts toward a State Role in Regulating Beekeeping

In Pennsylvania, each municipality (township, borough, etc.) can regulate beekeeping within its borders, and typically local governments do not restrict beekeeping unless a resident complains. Resident objections to beekeeping often arise from an irrational fear of all stinging insects, the inability (or lack of desire) to distinguish honey bees from other stinging insects such as yellow jackets or hornets, and a misunderstanding about bee sting allergies (thinking that any resulting swelling indicates an allergic response). When the complainants are vocal, local elected officials respond by declaring the keeping of honey bees a nuisance or by passing ordinances to prevent or greatly restrict beekeeping. This has happened numerous times in the past few years.

In response to the attempt to pass restrictive ordinances, local beekeepers’ clubs and/or the Pennsylvania State Beekeepers’ Association has tried to educate local council members about the true nature of honey bees. We have explained the difference between honey bees and yellow jackets in terms of defensive behavior, food preferences, and appearance. We have also informed councilors of the value of the pollination services performed by honey bees residing within a mile or so of backyard fruit trees and gardens.

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In response, the Pennsylvania Apiary Advisory Council has drafted a new Best Management Policy. Currently, we are attempting to have local boards use our Best Management Policy as the basis for any ordinance they wish to enact. Stephen Repasky has successfully worked with the council in Forest Hills, PA. Stephen not only used the Best Management Policy as guidance but also attended numerous planning meeting to answer questions. Finally, the Forest Hills Council passed a reasonable ordinance, incorporating many of the Best Management Policies. In other localities, we were not able to overcome fear and vocal local opposition.

Working on each of these local disputes/ordinances requires considerable beekeeper effort. Thus, we are beginning a dialogue with state legislators to review and amend Pennsylvania Bee Law to incorporate the Best Management Policies, consolidating the authority of the Pennsylvania Department of Agriculture regarding honey bees. This would extend the current responsibility of the Department of Agriculture for hive health inspection, regardless of where within the state the hive is located.

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* By Vince Aloyo
South Carolina

The State of South Carolina and Clemson University are pleased to welcome Dr. Jennifer M. Tsuruda as the State Apiculturist as of January 2, 2014. Dr. Tsuruda was born in Fresno, CA where she resided with her parents and family.

Jennifer enrolled in the University of California, Davis and studied animal biology and entomology as an undergraduate. Her interest in animal behavior culminated into an interest in behavioral genetics. Her undergraduate senior thesis was on the effects of stress on honey bees (advised by Robert Page). Her PhD dissertation was on associations between foraging behavior and reproductive physiology in honey bees (again advised by Robert Page).

Jennifer comes to us from Purdue University where she worked on disease resistance, part of the USDA CAP grant on managed pollinator health. The major emphasis of her studies was on the genetics of behavioral resistance to Varroa; more closely on Varroa sensitive hygiene (VSH) and on grooming behavior. She has been very active in the research/academic community which includes Program Chair for Heartland Apicultural Society’s Annual Meeting (HAS), Vice President of American Association of Professional Apiculturists (AAPA), and Chair of the Student Transition and Early Professionals Committee of the Entomological Society of America.

Since January 2, Jennifer has had a very active schedule of meeting area beekeepers at local and South Carolina Beekeepers Association. In addition, she has managed the tasks of meeting many of her associates at Clemson as well as other State Officials. Jennifer is thrilled to have so many potential collaborators in nearby states. Her list of projects is quite detailed, but high priority is given to a queen rearing program for SC, involving community and youth in the areas of beekeeping, pollinator conservation, and sustainable agriculture.

Please join us in welcoming Dr. Jennifer M. Tsuruda to South Carolina. We all certainly do appreciate her decision to come to South Carolina and join us in this journey to better understanding *Apis mellifera* and all of the many facets of our lives that are affected by it.

South Carolina Hive Scale Project Status Report - Hive Scale SC002

*Prepared by: Tony Stutes, Certified Beekeeper*
*Laurens County Beekeepers Association*
*January 15, 2014*

*(Complete attachments can be found on the online version, at the EAS website, [www.easternapiculture.org](http://www.easternapiculture.org))*

1. Hivetool

Hivetool is an open source project comprised of beekeepers who work in engineering, science, electronics and information technology as technicians, engineers, programmers and database and system administrators. The project goal is to produce software and hardware tools to monitor, manage and research bees and honey production.

The open source software is Linux based (although it should run on Windows) that uses commercial, off the shelf, consumer grade (low cost) hardware. The software supports as many different brands of hardware as possible, to avoid being locked into one vendor, technology or computing platform as technology advances so rapidly.

We are populating a database with every variable we can measure, both in the hive (e.g. weight, temperature, humidity, bee counts, audio, video, VOCs), ambient conditions (solar radiation, barometric pressure, rain, wind, etc), - and hive parameters such as location, elevation, orientation, hive design, foundation material, etc. The data is both for our own research and management and for any other beekeeper, researcher or student for data mining.
There are currently 15 hives on-line in California, Georgia, North Carolina, and South Carolina. By the end of the summer 2013, planned were 6 more hives in South Carolina. Four were actually initiated in 2013. Other facets of the project in the works are a smart phone app that will interface to the scale, temperature probes, etc for remote yards and a video camera bee counter using openCV libraries, See: Intel Research Pittsburgh, Video Monitoring of honey Bee Colonies and Open Computer Vision

All the data is available for download by anyone at anytime. We welcome engineers, programmers, scientists, researchers, bee keepers, and citizen scientists from anywhere around the world and invite you to join our effort. The web site is http://hivetool.net.

2. Hive Locations

Attachment 1 is a map of the US downloaded from the Hivetool website indicating the locations of the hives providing data to the Hivetool database. In South Carolina, hives are installed in Spartanburg, Laurens, York and Charleston Counties. On the day of this report, hives in Spartanburg, identified as SC001, York, identified as SC003 and Charleston, identified as SC004, were providing data. On the day of this report, the hive in Laurens, identified as SC002, was not providing data.

3. Hive Data

Attachment 2 is hive data charts downloaded from the Hivetool website indicating the live data being collected in Spartanburg, identified as SC001, and Charleston, identified as SC004. The SC001 hive's weight ranged from 83.5 to 87 lbs from 1/5/14 thru 1/11/14. During this same period, the SC004 hive's weight ranged from 28 to 30 lbs.

4. Hive List

Attachment 3 are the hive list charts downloaded from the Hivetool website. This feature allows the comparison of data from the various hives which can be used to study the differences between each hive during the same period of time.

5. Hive Statistics

Attachment 4 are the hive statistics charts downloaded from the Hivetool website. This feature allows the comparison of data from the various hives since midnight of the previous day and over the last 7 days. This can be used to study the differences between each hive during the same period of time. Over the last 7 days, hive weights ranges from 33.1 lbs to 138.1 lbs.

6. Hive Scale Project Blog - SCBA

Attachment 5 is a print out off the South Carolina Beekeepers Association Website showing correspondence from a blog site that was set up to communicate hive scale project status
and information in South Carolina. Cynthia Robinson is the Bog site administrator and has posted some of her experiences between July 27, 2013 and August 26 2013. This site should be utilized more frequently by the SC hive scale participants to maximize information exchange.

7. Hive Scale – Control Schematic Diagram

Attachment 6 is a copy of a wiring diagram which was provided with the initial equipment at the Summer Conference in Clemson in July 2013. This is used to wire and troubleshoot during installation of the hive scale equipment.

8. Hive Scale SC002 – Laurens County, SC

SC002 was provided to Tony Stutes of Gray Court, SC at the Summer Conference in July 2013. I was one of the three to receive a hive scale at the conference. Bobby Dunn, Hive Scale Project Manager for SC, had operated Hive Scale SC001 for some time and had built several scales and was looking for volunteers to expand the program. He was instrumental in developing the hardware working along with Paul Volk, Atlanta, GA developer of the Hive Scale project software.

With great enthusiasm, I brought the scale home and set it up in my house. I was able to connect all the wires as shown in the diagram but not able to make the software communicate with the Hivetool website. I was quick to understand the software installation was something I needed help with so I received assistance from Paco Peralta. Mr. Peralta is an electrical engineer with a working knowledge of the Linux operating system and open source software. He was able to get on the phone with Paul Volk and establish the IP address and set up the system. I also had router issues that had to be reconfigured to make the system communicate. With the scale in my house, I modified weights on the scale each day for several weeks and watched the data log up and down into the Hivetool website. Everything was hardwired as the system was designed to be installed.

The software was not yet operating to allow the temperature and humidity probes to read and transmit data. This software development was still in progress.

Before I moved the system to the beeyard to begin to monitor live data, I realized that in order to analyze data on the Hivetool website comparing weights of different hives, you have to establish a baseline of what the base hive weighs. If you were to look at the weights on the Hivetool website, you will see the hive-to-hive comparisons vary greatly. Each beekeeper has a different configuration of hive equipment. There is no information about the hive buildup of components to do a true comparison. This is an opportunity for improvement. I searched various bee reference materials and was not able to find weights of components published. Even though specific weights vary from each manufacturer and many beekeepers build their own equipment, I thought the minimum benchmark was to use the hive scale to document some of the basic component weights. With this information, you would then add the estimated weight of the bees (varying by season) and the difference would be the honey and pollen stores. This would give the beekeeper a better baseline to subtract hardware weight from the total weight to get an accurate weight of bees and resources.

I photographed this weighing process and made a PowerPoint presentation to share. The raw data I collected is as follows:

<table>
<thead>
<tr>
<th>Hive Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landing Board</td>
<td>2.7 lbs</td>
</tr>
<tr>
<td>Screened Bottom Board</td>
<td>3 lbs</td>
</tr>
<tr>
<td>- Solid Bottom Board</td>
<td>4.9 lbs</td>
</tr>
<tr>
<td>Deep Super</td>
<td>8.2 lbs</td>
</tr>
<tr>
<td>10 deep wooden frames with foundation</td>
<td>8.4 lbs</td>
</tr>
<tr>
<td>Inner Cover</td>
<td>2.8 lbs</td>
</tr>
<tr>
<td>Telescoping Top</td>
<td>7.3 lbs</td>
</tr>
<tr>
<td><strong>Total Base Hive with Screened Bottom Board</strong></td>
<td><strong>32.4 lbs</strong></td>
</tr>
</tbody>
</table>

This begins to form a basis of comparison from hive to hive and allows the beekeeper to begin to understand his targeted percentage weight of honey.

Future data to collect is as follows:

<table>
<thead>
<tr>
<th>Hive Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium Super</td>
<td>XX lbs</td>
</tr>
<tr>
<td>10 medium wooden frames with foundation</td>
<td>XX lbs</td>
</tr>
<tr>
<td>Shallow frame of honey</td>
<td>XX lbs</td>
</tr>
<tr>
<td>Shallow frame of pollen</td>
<td>XX lbs</td>
</tr>
<tr>
<td>Shallow frame of Brood</td>
<td>XX lbs</td>
</tr>
<tr>
<td>Medium frame of honey</td>
<td>XX lbs</td>
</tr>
<tr>
<td>Medium frame of pollen</td>
<td>XX lbs</td>
</tr>
<tr>
<td>Medium frame of brood</td>
<td>XX lbs</td>
</tr>
<tr>
<td>Deep frame of honey</td>
<td>XX lbs</td>
</tr>
<tr>
<td>Deep frame of pollen</td>
<td>XX lbs</td>
</tr>
<tr>
<td>Deep frame of brood</td>
<td>XX lbs</td>
</tr>
<tr>
<td>Bee Counts – 25% coverage for each frame size</td>
<td>Number</td>
</tr>
<tr>
<td>Bee Counts – 50% coverage for each frame size</td>
<td>Number</td>
</tr>
<tr>
<td>Bee Counts – 75% coverage for each frame size</td>
<td>Number</td>
</tr>
<tr>
<td>Bee Counts – 100% coverage for each frame size</td>
<td>Number</td>
</tr>
</tbody>
</table>
With this raw data, the beekeeper could approach a hive, build a component list, and estimate the weight of the hardware. They could then subtract this from total weight. What is left is the bees, brood, pollen and honey weight. Statistics could be developed for average base weight of healthy hives, less hardware, for various set-ups. This would provide a higher level of information for the beekeepers to work with. This is especially important in the winter time when hives reach their minimum weight and you do not want to open the hive and expose them to inclement weather. This analysis is an area of improvement opportunity.

During this same exercise, I felt it was important to document the hive scale components. I labeled each component to match the wiring diagram provided and photographed each component for record. The beginning hive scale builder could benefit from these pictures.

The next step was to move the hive scale to the bee yard. The Stutes Farm bee yard is located about 300 feet (as the crow flies) from the house where the router and power source is. To run the 300 feet, the power and Ethernet cable provided by Mr. Dunn needed to be routed through the yard, through the flower bed, around the pool, through the garden, through the goat pasture and through the cow pasture. Or I could move the hive closer to the house. The total distance exceeded the 300 feet. There was also a tree and metal building between the line of sight from the router in the house and to the control panel. At this point I began to think beyond the initial task of data gathering and what could I do to make this project reach a little farther. I chose the more difficult route to try a wireless system.

In my installation, the control panel enclosure provided was not weather proof but was expected to go outside. I purchased a clear plastic tote large enough to contain the control panel and secured it to the fence post at the orchard adjacent the bee hives. I had three bee hives to work with on this project. The control panel was mounted inside the orchard fence so the curious cows would not intervene. At this point, we needed a power source and a wireless transmitter.

Mr. Peralta was requested to study the wireless transmitter issue. He purchased a USB plug-in wireless transmitter and we were not able to get a strong enough signal to transmit to the house. We installed a second router in the house and located it upstairs in the window to have a direct line of sight. Still not enough signal. We then put a metal pan behind the router to collect the signal and still not able to get a signal strong enough. He searched the internet and found a remote antenna that we mounted on a pole above the control panel that plugs into the control panels for power. This antenna is designed to send signals 3000 feet. As of January 2014, we now have signal strength strong enough to be received.

In Mr. Peralta’s words “The capability of adding wifi to the controller is supported by the operating system and the system configuration which had USB ports available. There were limitations in choosing the correct Wireless USB Adapter as imposed by the operating system (ie: drivers) and configuration (ie: outdoors). The Wireless USB adapter originally chosen did not provide the connectivity required for the desired distance. An alternate Wireless USB Adapter with a directional antenna was chosen to address the distance limitation of the first adapter. System configuration files were modified to support proper operation between the adapter and the controller.”

The next problem to solve was the power source. We purchased a solar panel, a voltage regulator and wired it to a car battery. The battery was installed in an old gas grille frame and located inside the orchard fence. We expected the solar panel to be able to maintain the 12 volt power source. We determined we need greater than 10.5 volts for the system to work. After two months of experimentation, the current arrangement does not provide us with the continuous supply of power we need. The system works with a fully charged 12 volt battery, we are getting less than that. More work is needed on this solution.

We also had issues in a third area with software. The system came with a preprogrammed SD card to run the Rasperry Pi computer processor. We were not getting the system to communicate properly with the router. The software available online at Hivetool.net had some issues. Again Mr. Peralta was requested to troubleshoot the software issues. Working with Mr. Volk over a 2 month period, the software code was
modified and the software to download from the Hivetool.net website was updated to create a software package that is now downloadable and repeatable. It is now possible to refer individuals with some Linux experience to the hivetool.com website where they can download and install the entire system software. With this in place, other open source members can now download, operate and update the application. These updates can then be used to improve and add capabilities to the hive tool.

This is a major milestone for being able to replicate the software on new hive scale systems. They also now have the capability to dial into the IP address of the router and troubleshoot from a remote location. This is a feature that is very important to helping startup new hive scale systems.

The software installation process documentation has been updated on the website. It is now possible to refer individuals with some Linux experience to the hivetool.com website where they can download and install the entire system software. With this in place, other open source members can now download, operate and update the application. These updates can then be used to improve and add capabilities to the hive tool.

In October, the cows were also interested in both the fruits of the orchard and the hive scale system. We will call this a natural disaster. They were able to chew through the rope securing the gate and enter the orchard. They trimmed the trees and ate all the leaves off the vegetation. They knocked over the battery system and chewed through the temperature and humidity sensor wires. Since then, wires have been replaced and three fastener systems have been installed on the gate. Several years of orchard growth have been stunted. Where were the guard bees?

SC002 is close to being on-line as a wireless system with solar power. With the software issues and wireless transmission addressed, finalizing the power system is the last hurdle. The decision to not relocate the hives was done in the interest of advancing the program. We recognize there are three basic system set-ups. Each system will be installed based on the location of the hives to the location of power and internet service. I have developed a sketch of the three Hive Scale Installation Options (See Sketch). They are:

Option 1 – Direct wired (less than 300 feet)
Option 2 – Wireless with remote 120 power source adjacent the hives
Option 3 – Wireless with Alternative power supply (Solar)

Each one has its application and cost. Going forward, we need to develop a package system to meet each of the three applications criteria. Build systems that are reproducible. The Option 1 system is the lowest cost and fits a number of installation locations. It meets the criteria to collect data. Data collection is the primary focus of the program. Options 2 and 3 are commonly found installations that we can leverage current experiences to design a system for, if the interest supports it.

I look forward to sharing this data with more beekeepers and continue to support the Hive Scale Program. To advance the program, some suggestions are as follows:

Monthly calls between hive scale participants to discuss progress and issues.

1. Update SC Hive scale program goals and request funding to support goals
2. Build reproducible systems and distribute to beekeepers across the state
3. Collect and analyze data to share with other beekeepers.
4. Post experiences on SCBA Bog and website to expand knowledge
5. Create material list and instructions for individuals to be able to build and operate their own systems.
6. Develop Hive scale program calendar with milestones for 2014 year.
7. Update the software to read and log temperature and humidity inside the hive

9. Acknowledgements:

I would like to acknowledge the following volunteers on their input for successful progress on the SC002 Hive Scale Project in 2013-14.

1. Bobby Dunn - Hive Scale Project Manager
   (864) 706-8361
   Bobby.dunn@att.net

2. Paul Volk – Hivetool.net Coordinator and software development
   paul@hivetool.org

3. Paco Peralta – Hardware and Software Specialist
   (864) 684-2821
   Frperalta1@yahoo.com

IFrom the Colonies continued
Call to order: Chairman, Jim Bobb called the Summer Board of Directors’ Meeting of the Eastern Apicultural Society of North America to order on Tuesday, August 6, 2013, at 8:36 p.m.

Member Dues: In order for a director to be able to vote their State/Provincial dues need to be paid. Memberships not up to date include the states of Georgia, Indiana, Michigan, Tennessee and members Jennifer Berry and Will Hicks.

Roll Call: Jim Bobb, Chairman; Kathy Summers, Vice Chairman; Linda Betlejeski, President; Tammy Horn, Vice President; Gregory Fariss, Treasurer; Kim Flottum, Chairman Emeritus; Bill Mares, President Emeritus; Bill Miller, Alabama; John Baker, Connecticut; Paul Dill, DE; David Mendes, FL; Kent Williams, KY; Carol Cottrill, ME; Janet Bardzik, MD; Mary Duane, MA; Jeff Burd, NJ; Bob Talkiewicz, NY; Joe Kovaleski, OH; James Blasko, PA; Steve Genta, SC; Mike Palmer, VT; Billy Davis, VA; Brenda Kiessling, MBK; Dave Meldrum, webmaster; Susan Fariss, Secretary.

Nominees Present: Buddy May, SC; Ann Zudekoff, VA; Celeste Nadworny, RI; Peggy Barnes, OH; Julian Wooten, NC; Doug McRory, ON.

Guests Attending: Dan Conlon, Dorinda Priebe, Norma McRory; Charles Walter, WV.

Absent: Jennifer Berry, GA; Will Hicks, NC; Art Potter, MS; David Burns, IL; Everett Zurilinden, RI; Gerry Fitzgerald, WV; Vincent Aloyo, PA nominee.

Nominations: The slate of nominees were presented:
- Julian Wooten, North Carolina Director
- Doug McRory, Ontario Director and Vice President
- Vincent Aloyo, Pennsylvania Director
- Ann Zudekoff, Virginia Director
- Buddy May, South Carolina Director
- Tammy Horn, President
- Celeste Nadworny, Rhode Island Director

Dan Conlon moved to accept the slate. John Baker seconded. The vote carried unanimously.

Secretary’s Report: Dan Conlon made a motion to accept the secretary’s report as given. John Baker seconded the motion. The vote carried unanimously.

Treasurer’s Report: Income and balance statements were handed out. The chairman suggested that they not be accepted, as the board did not have time to review the documents. Steve Genta made this motion. Janet Bardzik seconded. The motion passed unanimously.

John Tulloch had prepared the 2012 data. Paul Dill made a motion to table the 2013 data.

Chairman’s Report: Jim Bobb reported on changes that he made in the registration process and the pros and cons from his point of view. A conference committee was appointed to go through the registration process in a systemic manner. He appointed the executive committee and any interested board members. This list includes Bob Talkiewicz, Dan Conlon, Jeff Burd, Mike Palmer, Dave Meldrum, Dave Mendes, in addition to the executive committee.

Past President’s Report EAS 2012 VT: Bill Mares stated that EAS VT was a success and thanked all who attended. He stated that EAS VT brought a lot of people into EAS.

President’s Report EAS 2013 PA: Linda Betlejeski thanked everyone for attending EAS PA and for the discussion regarding problems at EAS West Chester. She acknowledged that a lot of people are being “beat up with time,” and noted that other than that, things are going well. She gave her cell phone number for problems or questions.

Vice President’s Report EAS 2014 Kentucky: Tammy Horn expressed excitement about EAS Kentucky. Five of the Kentucky volunteers were in attendance at EAS PA. The 2014 conference is on the Kentucky tourism website. The Eastern Kentucky University site visit went well.

There will be a picnic at Berea College, five field trips. Four will be self-guided and one will be guided by Tammy.

Sites:
Future Sites: EAS future sites include:
Ontario 2015: Kathy Summers reported on the site visit. Please see the attached written report. Doug McRory reported that Ernesto Guzman will serve as program chair for the main conference. At this time, a short course program chair has not been chosen. (Les Eccles, ON has since agreed to be the Short Course Chairman for Ontario 2015).

The conference will be in three buildings and has a huge vendor room. It will be held August 3-7, 2015.

Virginia: Billy Davis stated that he would like for Virginia to stay on the future site list. Delaware 2017: Paul Dill confirmed that Delaware is interested in hosting EAS 2017. Committees:

Awards: The J.I. Hambleton Award for Outstanding Research went to Dr. Christina Grozinger. Roger A. Morse/Weiss Teaching. Extension and Regulatory Award went to Don Hopkins, North Carolina. The Divelbiss Award for Outstanding Apicultural Contributions Educating the Public will be kept secret, as is the tradition, until the banquet. [Ted and Becky Jones.] There was no student award. Next year, we need to find students for nominations. Requests are sent out in January to apiary inspectors (AIA), AAPA, CHC, Departments of Entomology, state organizations and land grant colleges.

Editorial Report: The next EAS Journal deadline is September 15, 2013. Approximately half of our members receive this newsletter electronically.

Education Committee: Bill Mares gave the education committee a “B+” for a great first effort with Train the Trainer. This teaches how, not what, to teach. Forty-five attended the class. Some ideas are being refined. Carol Cottrill called it a very positive experience.

Foundation for Honeybee Research: In David Tarpy’s absence, Jim Bobb
Site Committee: Jim asked for a motion to accept Ontario as the site of EAS 2015. Jeff Burd made the motion. Dave Mendes seconded. Motion passed.

Website: Dave Meldrum stated that upgrades have been made to the website. He asked for photos, especially beekeeping photos. He has posted some slides from presenters. He also stated that he can set the website up so that master beekeepers can edit their section.

Next Board of Director’s Meeting: November 16, 2013, Richmond, Kentucky. The tour will be at 3:00 p.m. or 4:00 p.m. (to be decided) and the meeting will be at 6:00 p.m.

Adjournment: Buddy May moved to close the meeting. Bill Miller seconded. All voted in favor. The meeting was adjourned at 11:00 p.m.

Respectfully submitted by: Susan H. Fariss EAS Secretary

Minutes approved on November 16, 2013, Richmond, KY BOD Meeting Loretta Sprennant

Attachments: Guelph Site Visit Resolutions

Guelph Site Visit for EAS 2015

On May 12 and 13, 2013, Jim Bobb, Kim Flottum and myself visited the University of Guelph, the selected site of EAS 2015. Doug McRory will be the President for that year and he has Ernesto Guzman, Paul Kozak and Les Eccles on board to help with the programs and Paul Kelly the University of Guelph beekeeper, to assist with the bee yard.

In general the campus is equipped to handle between 400-700 for the week including ample meeting space, meals, special events and dorms.

MEETING ROOMS - There are at least three very large meeting rooms, theatre style that hold big numbers. One holds 400, a couple of them hold 200 as I recall. There were plenty of smaller size classrooms for workshops, Master Beekeeper activities, Honey Show, Board meeting and any other meetings that would come up.

IT - We’ll need to furnish computers, but there are Apple connections for ease with that. All desks in the meeting rooms have power sources for computers.

MEALS - The University provided a wonderful lunch for our small tour group, of prime rib, soup, salad, and desserts. Cafeteria meals are easy for them to do and the cafeteria is on the path from the dorm area to the meeting area. Leaving the dorm, stopping for breakfast and heading on to the meeting areas will be a smooth transition. The campus is fairly flat, no major hills to climb.

DORMS - We did look at some of the dorms, however, we will not know until closer to time exactly which dorms will be available. Some are going to be renovated over the next two years. The dorms that we saw did not have air conditioning. They are the more traditional type dorms with bathrooms and showers at the end of the hall. No pricing can be locked in until closer to the time.

HOTELS - There are two hotels that are directly across the street from campus. We stayed at the Delta while we were there and it is an extremely nice hotel - a little pricey for some of our attendees. There is also a Days Inn that is close by and several other hotels very close by. Lots of choices in the area of housing for EAS 2015.

BEEYARD & LAB - The University has a bee lab in place run by Paul Kelly, the University of Guelph beekeeper. It is a short drive from the campus. If you’re really in good shape, it might be a nice walk. There is plenty of parking at the lab but even so we might want to consider setting up some sort of bus back and forth to make it simple. It’s looking like Les and the Tech Transfer Team will be heavily involved in planning the Short Course.

SPECIAL EVENTS - Doug is planning a day trip to Niagara Falls with a stop at a Meadery, Butterfly Conservatory, and the largest beekeeper in Ontario with 8,000 hives. This would be on Thursday and we would return to John and Allison’s in Carlisle for a barbeque that they will sponsor. This would mean changing our traditional auction night to Wednesday.

VENDORS - There are a couple of different areas that are big enough to handle our vendor setup. One room, in particular, is plenty big enough to house vendors and breaks very comfortably.

TRAVEL TO GUELPH - Everyone has to have a passport for this trip and there are some restrictions as to what and how much you can transport across borders. I will be gathering as much of this type of information as I can over the next year and putting it in the journal to make travel easier for our attendees. There may be some restrictions on what our vendors can ship and/or bring also.

There is a nice big area that can be used for registration with plenty of room for folks to visit. There is room enough to set up some refreshments during that time. This building may house Short Course and there would be room for doing a box lunch in the same area. Most of the meeting will take place in a span of two or three buildings at the most. These buildings are all within easy walking distance of each other.
As time gets closer rooms, dorms, meals and all the details will start to be firm up. As soon as possible we will lock in pricing on dorms and meals.

Overall the campus fits what we need. Lisa, the conference planner at Guelph seems very easy to work with and Doug has his team pretty well firm up and they are working on their ideas. It should be a good meeting.

Submitted by Kathy Summers, EAS Vice Chair

2013 Eastern Apiculture Society Resolutions

Be it resolved that:

EAS thanks Jim Bobb along with his committee, including Mark Antunes and Vince Aloyo, for planning and organizing the EAS 2013 Short Course.

EAS thanks Maryann Frazier for planning and recruiting speakers for the EAS 2013 Conference.

EAS thanks Linda Betlejeski for her leadership as our President.

EAS thanks all of the speakers for their presentations and for working for the improvement of the bee industry.

EAS thanks West Chester University for working with us to make this year’s conference a success.

EAS thanks all who served as a committee chair and worked to make the EAS 2013 meeting a success including: Suzanne Matlock, Paul Niemczura, Linda Betlejeski, Maryann Frazier, Lee Mauger, Bob Talkiewicz, Brian Marcy, Grace Crawford, Rick Spackman, Jeff Bryer, Mark Antunes, Sharon McDonald, Don Coats, Jeff Burd, Bob Hanwalt, Ed Pieters, Lou Naylor, Dave Meldrum, Rachel Bryson, Jari Mork, Web Edwards and Scott Famous who put in countless hours to make EAS 2013 the best Conference to date.

EAS thanks all the volunteers who gave their time to assist in any way needed to create a warm welcome to our members and guests.

EAS thanks the 2013 American Honey Princess, Emily Campbell, 2013 Pennsylvania Honey Queen Elena Hoffman, and 2013 Pennsylvania Honey Princess, Jessica Aurand, for their work with EAS 2013 and for all they do to promote and educate about honeybees.

We thank Rachel Bryson for her work on the Honey Queen Committee.

EAS thanks our bee yard wranglers Don Hopkins and Jennifer Keller.

EAS thanks the EAS Executive Committee, Board of Directors, and Committees for helping to make our Organization a continuing success.

EAS thanks Dewey Caron and the Master Beekeepers for their work in promoting the Master Beekeeper Program and for working with and testing this year’s Master Beekeeper Candidates.

EAS thanks Frederique Keller and Craig Byer for presenting the day long program on Apitherapy.

EAS thanks Dave & Orpha Rose Longenecker of Petershein & Longenecker Auctioneers for their service as auctioneer at our annual Thursday evening Honey Show Awards and Auction Dinner.

EAS thanks Sharon McDonald for her help at the registration desk.

EAS thanks all the Vendors for their on-going support and sponsorship of EAS events.

EAS thanks Alice Marcy for designing and creating and donating the beautiful quilt.

EAS thanks Brian Marcy and all who acted as judges and assistants for their work on our Honey Show. We also thank the Pennsylvania Farm Show for lending of the lighted display units and the car.

EAS thanks the Pennsylvania State Beekeepers Association and the many surrounding County organizations for their help and support in making this year’s conference a success.

EAS thanks all of the newspapers, magazines, and TV stations that have continued to produce materials making beekeepers look good.

For EAS,
Linda Betlejeski, EAS 2013 President

EAS ANNUAL BUSINESS MEETING
August 9, 2013
West Chester University,
West Chester, PA

Call to order: Chairman, Jim Bobb called the 58th Annual Business Meeting of the Eastern Apicultural Society of North America to order at 11:31 a.m. on Friday, August 9, 2013.

Secretary’s Report: The secretary’s report was given by Susan Fariss. The minutes of the previous EAS BoD meeting were published in the EAS Journal. Jim Bobb gave a call for corrections or additions. None were voiced. Gus Burt made a motion to accept the secretary’s report as given. Kim Flottum seconded the motion. The vote carried unanimously.

Nominees presented were:

- Peggy Gones, Ontario Director
- Doug McRory, Ohio Director, Vice President
- Vincent Aloyo, Pennsylvania Director
- Ann Zudekoff, Virginia Director
- Buddy May, South Carolina Director
- Tammy Horn, President
- Celeste Nadworny, Rhode Island Director
- Julian Wooten, North Carolina

Gus Burt voted to accept the nominees as presented. Janet Bardzik seconded the motion. The vote carried unanimously.

The current directors and officers will keep their positions through Friday, then the new slate will become the current directors and officers.

Treasurer’s Report: The treasurer’s report was given by Gregory Fariss. EAS 2012 VT ended with a total of $67,130.87. There were 751 attendees, with approximately 52 vendors. EAS 2013 PA had approximately 780 attendees. Some walk-in paper registrations have not been processed. Barry Thompson made a motion to accept the treasurer’s report. Steve Genta seconded the motion. The motion passed unanimously.

Chairman’s Report: Jim Bobb reported on changes he had made based on suggestions from the last several years. He stated that EAS PA had:

- Found more authors for articles in the journal.
- Added modern graphic images to
EAS Business

the EAS 2013 documents.
- Coded lunches on name badges so that no one had to keep up with meal tickets.
- Added the titles of special classes on name badges for those who had signed up early enough to get into those classes.
- Changed the program booklet to include a TOC, added course descriptions and other changes asked for over the past few years.
- Received donations from PA State Beekeepers Association of $10,000 and a donation from Gamber Container that was used for a free lunch. (He stated that this will probably not be repeated due to the confusion.)
- Queen and Worker level sponsors were added for the first time.
- The map was in color.
- The short course offered both a written and a field exam.
- Electives were offered as part of the short course.
- Brainswarming was introduced.
- There were 23 paid ads, which paid for the program booklets and three breaks.
- Made changes to online registration.

President’s Report EAS 2013 PA:
Linda Betlejeski welcomed everyone to Pennsylvania. She hopes that everyone had a good time. She acknowledged that there were a few glitches and thanked the many volunteers.

EAS 2015 ON Report: Doug McRory is looking forward to EAS Ontario. He has been talking with vendors about getting their wares through the border. Everyone will need a passport, not to get into Canada, but to get back into the US. Meeting rooms are all brand new and air conditioned, with computer hook ups in each room. There will be tours. All events will have a Canadian influence. The dorm situation at Guelph is much the same as West Chester. There are many hotels, some just across the street. The dates are August 3-8, 2015.

Sites:
- Kentucky 2014
- Ontario 2015
- Virginia ?
- Delaware 2017

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

Master Beekeepers Report: Brenda Kiessling reported that the master beekeepers have been busy with testing. $1000.00 a year is needed to fund a youth scholarship that would be used for qualifying youth who are mentored and will come to EAS. There is now a mechanism in place for the treasurer to take donations for this fund.

Honey Show Report: Michael Palmer reported that 82 ribbons have been awarded as well as 10 silver platters and 1 silver bowl. There were not as many entries this year. Everyone was encouraged to participate.

Awards:
Student Award: None; J.I.Hambleton: Dr. Christina M. Grozinger; Roger A. Morse/Weiss Teaching, Extension and Regulatory Award: Donald Hopkins, North Carolina; Divelbiss Award: a secret until the Banquet. [The winner this year was a couple, Ted and Becky Jones.]

Resolutions: Pennsylvania EAS Conference (See attachment)

Foundation for Honey Bee Research: The winners of the $5000 HB Research Award went to: Thomas E. Janini, PhD and Reed Johnson, PhD, Ohio State University. “Effects of Neonicotinoid/Fungicide/Adjuvant Pesticide Combinations Commonly Encountered by Honey Bees on Pumpkins.” There is $43,444.00 in the fund. The board decides each year whether or not to fund this award.

Historian: Kim Flottum states the historical records of EAS are being digitized and are almost up to this meeting.
EAS BOARD OF DIRECTORS EMERGENCY MEETING
September 12, 2013

Call to Order: Janet Bardzik, Maryland Director, 7:49 p.m.

Members: Jim Bobb, Chairman; Kim Flottum, Chairman Emeritus; Tammy Horn, President; Linda Betlejeski, President Emeritus; Susan Fariss, Secretary; John Baker, CT; David Mendes, FL; Carol Cottrill, ME; Janet Bardzik, MD; Mary Duane, MA; Jeff Burd, NJ; Bob Talkiewicz, NY; Peggy Garnes, OH; Vincent Aloyo, PA; Buddy May, SC; Ann Zudekoff, VA; Charles Walter, WV; Doug McRory, ON and Vice President; Dave Meldrum, Webmaster.

Guests: Billy Davis, Maryann Frazier, Kathy Summers.

Absent: Greg Fariss, Treasurer; Bill Miller, AL; Paul Dill, DE; David Burns, IL; Randy Fair, LA; Kent Williams, KY; Art Potter, MS; Julian Wooten, NC; Celeste Nadworny, RI; Michael Palmer, VT.

URL: https://collaborate.wolfware.ncsu.edu/play_recording.html?recording=1336774565474-1379027903085

The emergency board meeting was brought to order by Janet Bardzik at 7:49 p.m. The board members were asked to consider the following two topics.

1. Did Jim violate the Constitution, By-laws or Policies and Procedures of EAS by relieving Kathy of her duties as Vice Chair?

   This question was not answered definitively.

   In the recording of the meeting dated September 12, 2013 at 7:49 pm [available URL provided above], Jim Bobb said that he did not relieve the Vice Chair of her duties, noting that the VC served as vendor coordinator. The Vice Chair contradicted this statement, saying she was relieved of program duties and other varia, so she was left with no option than to resign.

   Discussion ensued about the difficult transition from Vermont EAS conference to PA EAS conference due to numerous factors (i.e., the resignation of a PA EAS president, strong hometown loyalties and preferences for local buy-in). Members addressed “trouble spots” at EAS PA 2013, such as budgets, dorms, printing jobs, registration.

   Discussion also reveals a history of shifting roles and responsibilities associated with the vice chair position, including conference coordinator, Chair substitute, and vendor organizer. Some confusion about the vice chair position predates this emergency meeting because of how the position was defined by previous chairs and is now defined by the Policies and Procedures. See Section 11.4 - EAS Policies and Procedures, page 90.

   The Chair acknowledged that he should have communicated the tensions with the board and issued an apology to the former Vice Chair online on behalf of the EAS Corporation, but due to technical difficulties, it was not received. The Chair agreed to follow-up via email.

2. Do reports of disrespect from and difficulty communicating with Jim impede the optimal function of EAS?

   In the recorded discussion, the phrase “optimal function” was never defined. So this question had (has) multiple answers. Tammy Horn is moving ahead with EAS 2014 plans, and Doug McRory is working closely with Jim Bobb. Linda Betlejeski advised board members to maintain awareness and involvement to prevent the Vice Chair’s role from being marginalized as future conference planning takes place.

   Some members had technical difficulties, some members inadvertently “claimed” airspace by not turning off the microphone when finished, some members had to write comments or voice via telephone.

   Bob Talkiewicz moved to adjourn. Linda Betlejeski seconded. The meeting concluded at 9:45 p.m.
Dill to accept Loretta Surprenant as EAS Secretary. 12 votes were in favor of the motion. Zero opposed. Motion carried.

Master Beekeepers Director: Jim Bobb moved to accept Landi Simone as the new Master Beekeeper Director. 13 votes were in favor of the motion. Zero opposed. Motion carried.

Roll Call: At the meeting site: Jim Bobb, Chairman, PA; Kent Williams, Vice Chairman, KY; Loretta Surprenant, Secretary, NY; Tammy Horn, 2014 President KY; Doug McRory, Vice President Ontario; Ann Zudekoff, VA; Bill Miller, Al, Julian Wooten, NC; Peggy Barnes, OH; Paul Dill, DE.

Web Conference: Linda Betlejeski, PA; Janet Bardzik, MD; Jeff Burd, NJ; Bob Talkiewicz, NY; Vincent Aloyo, PA; Buddy May, SC; David Meldrum, MA.

Tele Conference: David Mendes, FL; Greg Fariss, Treasurer, NC; Carol Cottrill, ME; Landi Simone, MB. Guest: Barry Thompson, MD.

Absent: Kim Flottum, OH; Kathy Summers, OH; John Baker, CT; David Burns, IL; Randy Fair, LA; Art Potter, MS; Mary Duane, MA; Mike Palmer, VT; Charles Walter, WVA; Celeste Nadworny, RI.

Guest: Mary Miller, Alabama; Norman McRory, Ontario, Barry Thompson, MD.

Secretary’s Report: as distributed by Susan Fariss and Jim Bobb.

Approval of August 6, 2013 Board Meeting Minutes:
Doug McRory moved to accept the minutes with the change that Kent Williams is from Kentucky not West Va. An amendment was proposed by Doug McRory (under the Ontario 2015 report), to add Les Eccles, SC as the new Short Course Chairman for Ontario 2015. The amendment carried with 11 voting in favor of the amendment. Zero opposed. The motion as amended carried with 11 voting in favor of the motion. Zero opposed.

Jim Bobb moved to accept the corrected minutes along with the grammatical and punctuation corrections. 13 voted in favor of the motion. Zero opposed. Motion carried.

Approval of August 9, 2013 Annual Business Meeting Minutes:
Jim Bobb moved to accept the 2013 Annual Business Meeting minutes with the correction that EAS made $67,130.87 not $6700.00. 11 voted in favor of the motion. Zero opposed. Motion carried.

Approval of September 12, 2013 Emergency Board Meeting Minutes:
Tammy Horn presented a shorter version of the Emergency Board Meeting Minutes taken from the original minutes by Susan Fariss.

Janet Bardzik moved to add Doug McRory Ontario Vice President to the roll call along with the date and time (9/12/13 at 7:49 pm) under #1 paragraph 3 of the shorter version of the minutes.

An amendment was proposed by Janet Bardzik to include the minutes in its entirety. Vote: 10 no’s and 2 yes. The amendment failed. The original motion was voted on with 16 in favor of the motion. The motion carried.

Janet Bardzik moved to reference Section 11.4 Policy & Procedures Page 90 EAS Convention in the shorter version of the minutes. 9 voted in favor of the motion 4 voted against the motion. Motion passed.

Treasurer’s Report: Greg Fariss
Greg Fariss reported that he has been struggling with the treasurer’s position and was not happy with his performance. He handed in his resignation effective immediately. He will continue to support EAS. Greg will turn every thing over to John Tulloch.

Greg Fariss recommended that because of the size of EAS treasury that EAS hire a professional accountant to take care of EAS finances.

Greg Fariss stated that EAS has a total of $285,000 and he recommended that more money go toward supporting beekeepers. The conference generated about $185,000 and guesstimated a profit of around $30,000 to $40,000. No Financial Reports were distributed.

Peggy Barnes moved to accept the treasurer’s report. 15 voted in favor of the motion. Zero opposed. Motion carried.

Transfer of Profits from EAS 2012:
Jim Bobb moved to transfer profits from EAS 2012 to Delaware Community Foundation which Jim later withdrew. The board asked that we wait for John Tulloch recommendations before we move anything.

Final Payment to WCU:
Landi Simone moved that EAS pay the final bill for WCU in the amount of $32,762.62. 16 voted in favor of the motion. Zero opposed. Motion carried.

Establishment of Checking Account for 2014 and 2015:
Jim Bobb moved that EAS establish a checking account for EAS Kentucky with signatories being the EAS KY treasurer and EAS President. And, be it also moved that EAS establish a checking account for EAS Ontario with signatories being the EAS ON Treasurer and EAS Vice President. 14 voted in favor of the motion. Zero voted against. Motion carried.

Chairman Report: Jim Bobb
Payment of Conference Expenses:
Paul Dill moved and seconded by Peggy Barnes to pay for expenses for the President, Vice President, Chairman and Vice Chairman starting in 2014. 14 voted in favor of the motion. Zero voted against. Motion carried.

Jim Bobb commented that we operate under Robert Rules of Order. He asked the board to read the 2006 By-Laws, 2005 Constitution and the 2012 Policy and Procedures. The By-Laws give the Executive Committee the right to act between Board meetings. Both the 2001 Conference Guidelines and 2001 Sites Guidelines need to be revised.

There have been many changes this year. At least 7 director’s terms have expired after serving 8 years with many new board members coming on board.

Executive Committee Minutes:
Julian Wooten moved to accept the October 20, 2013 Executive Committee
Minutes as submitted and that they be filed with the Secretary. 14 voted in favor of the motion. Zero voted against. Motion carried.

List of Committees: Jim Bobb and Buddy May names will be added to the Policy and Procedures committee; Linda Betlejeski to the Resolution committee; Peggy Garnes to the Life Membership committee; Paul Dill and Ann Zudekoff to the Membership committee.

Past President’s Report (EAS 2013): Linda Betlejeski
Linda Betlejeski reported that the local bank account has been closed out and the money was forwarded to Greg Farris. Linda Betlejeski offered to serve on the Resolutions Committee.

President’s Report: Tammy Horn
Tammy Horn reported that the EAS Kentucky bank account has been opened. She is also working on getting speakers lined up for the program.

Vice President Report (EAS 2015): Doug McRory
Doug McRory reported that Jim Bobb and he have been given few minutes of the Ontario Beekeepers Association Annual meeting to report on the plans for EAS to be held at Guelph in 2015. They are going to work on getting volunteers for the 2015 EAS meeting at the OBA Annual meeting.

Sites: The Sites Guidelines need to be revised.
2014: Kentucky – Eastern Kentucky University, Richmond Kentucky, July 28 Thursday August 1, 2014.
2015: Ontario – University of Guelph, Guelph, Ontario, August 3-7 2015.
2016: Possible MA?
2017: Delaware
Virginia has withdrawn their bid for hosting EAS 2016. There seems to be some interest in MA to host EAS 2016.

Committee Reports:
Conference – Tammy Horn
Tammy Horn reported that they are working on streamlining on line registration and asked Dave Meldrum to evaluate this process.
Tammy Horn moved to authorize Dave Meldrum up to $1000 to evaluate software to handle membership and conference registration. 16 voted in favor of the motion. Zero opposed. Motion carried.

Webmaster: David Meldrum
David Meldrum reported that he is working on on-line registration for Kentucky. He also requested pictures for the website.

Membership: Jeff Burd
Jeff Burd reported that there was a big drop in membership because many of those who attended the Vermont and PA meetings had not renewed. People want to know what they get for their membership. It was suggested that a letter be sent to non-renewals. Paul Dill and Ann Zudekoff asked to be added to the Membership committee.

Life Membership: Mary Duane (absent from meeting)
Jim Bobb reported that the Life Membership Luncheon was a big success and EAS is planning to do it at EAS 2014.

Master Beekeeper Certification: Carol Cottrill
Carol Cottrill stated that they were still complaints about examiners and speakers not being able to attend the EAS Conference. They are working on changes to making it earlier in the week.

Master Beekeepers: Landi Simone
Landi Simone stated that the Master Beekeepers has formed 5 different committees. All 4 sections of the exam need improvement. They are looking at changing the exam to Tuesday and Wednesday instead of all day Thursday.

Awards: Requests of nominations will be distributed for the Student, J.I. Hambleton, Roger Morse and Divelbiss Awards in January 2014.

Foundation for Honey Bee Research: Dave Tarpy
Kent Williams moved that EAS offer one $5000 grant for 2014, with an application deadline of April 1, 2014 and funds becoming available May 1, 2014. 15 voted in favor of the motion. Zero opposed. Motion carried.

Education: Dave Tarpy stated the “Train the Trainer” program was great. He is hoping to capitalize on the momentum and keep the committee going. The common feedback seemed to be that it was difficult to recruit mentors.

Historian: Kim Flottum was not in attendance. No report.

Journal Editor: Kathy Summers was not in attendance. No report.

Nominations (Search Committee for New Chairman): David Mendes
Jim Bobb Chairman’s term will be expiring in 2015. The Search Committee is actively searching for a new chairman who must be chosen from current or previous members of the Board.


Janet Bardzik asked what kind of audit was done last year and who did it? Jim Bobb stated that there is an EAS audit and an outside agency also does an audit. Last year there was no EAS audit done.

Janet stated that the Board of Director’s is liable for everything that is done. EAS does have an Officers and Directors Liability Policy.

Policy & Procedures: Janet Bardzik
Janet stated that she worked with 5 different people and had spent 100’s of hours on the proposals.
Three Proposed Proposals were submitted: 1) EAS State Director Policy and Procedures, 2) Removal of an officer (or director) of the EAS Board of Directors from office, 3) EAS Governance Committee. (All 3 were tabled).

Janet Bardzik moved that EAS buy a Society Membership in Board Services (for non-profits) at a cost of around $250; that we hire a certified board consultant; and the Board review it before the next Board Meeting.

Paul Dill moved to table the motion seconded by Landi Simone. 14 voted in favor of the motion. 0 opposed. Motion carried.

Unfinished Business: None

New Business:
Greg Fariss has resigned and John Tulloch will help us get through to the end of the year. Jim Bobb moved to elect John Tulloch as EAS’ pro term treasurer with all stipends until we find another treasurer. 14 voted in favor of the motion. Zero opposed. Motion passed.

Kent Williams moved to elect Lani Basberg as the new EAS Board Director from Kentucky. 14 voted in favor of the motion. Zero opposed. Motion carried.


Jim Bobb recommended that the board meeting at EAS 2014 KY be held at lunch time.

Next Board Meeting: by Tele & Web Conference on February 15, 2014 at 6 pm.

Adjournment: Bill Miller moved and seconded by Kent Williams to adjourn at 9:50 pm. Motion carried.

Submitted by Loretta Surprenant, EAS Secretary
# EAS Directors

(Year indicates expiration of term as director)

<table>
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<tr>
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## Additional EAS Contacts

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EAS 2015  
Guelph, Ontario  
By Doug McRory

As you are planning your trip to EAS Richmond, Kentucky 2014, please reserve on your calendar the week of August 10-17, 2015 when EAS will convene at the University of Guelph for another great meeting of beekeepers. We are in the planning stages at the current time for this meeting that we expect to be one of the largest in EAS history. We have arranged with the University of Guelph to host the meeting on campus and they have very excellent meeting facilities that we can utilize. There are dormitories on campus and also several excellent hotels within walking distance to campus and several other excellent hotels within five miles around the picturesque city of Guelph. We hope that you will plan to come early or stay late and explore some of Ontario when you are here.

Short Course  
The short course on Monday and Tuesday will be organized by Les Eccles and his full-time team at the Ontario Beekeepers Association, the Tech Transfer Team. We are planning on having the members of other tech transfer groups from across Canada to assist with the short course. These groups put on lots of courses and we hope to work in as many hands-on experiences with the bees at the bee yard located right on campus.

Bee Yard  
The bee yard is called Townsend House and Paul Kelly, the University of Guelph beekeeper, will be our main Bee Wrangler, as they are usually called at EAS meetings. There will be many experienced tech transfer type people to help Paul with various demonstrations at the bee yard. Be sure to pack your personal protective beekeeping equipment so you can spend time with the bees. Paul breeds Buckfast stock and they are very gentle so hopefully they exhibit that trait during the week of EAS.

Short Course Test  
There will be an exam for those who elect to take it, but you can attend the short course without writing the exam if you wish. Those passing the exam will receive a certificate from the EAS Short Course Guelph 2015. Many beekeepers take the whole week attending the short course and the conference to increase their knowledge of honey bees.

Conference  
The three-day conference will start on Wednesday morning, and Dr. Ernesto Guzman, Professor of Apiculture at the University of Guelph, along with Paul Kozak, Provincial Apiarist of Ontario, are planning the speakers and topics for the conference. They are widely traveled and know all the researchers and extension people from across Canada and United States. They will be putting together an excellent program with the Canadian flavor. Hopefully you see researchers that you have not met before and have a chance to talk to them one-on-one about their research. There are many exceptional projects going on in Canada and we hope to highlight those for you at this meeting. We are hoping that many commercial and hobby beekeepers from across Canada will attend this meeting. This should be the largest gathering of beekeepers in Canada since Apimondia in 1999 in Vancouver, BC, Canada.

Thursday Afternoon Tour  
Thursday afternoon will be a tour to a honey winery and to the largest commercial beekeeping operation in Ontario. We will also do a little touring at Niagara Falls and then return to another large commercial apiary just south of Guelph for an evening barbecue dinner at their location. You will have an opportunity to tour their honey house and packing facility and meet their outstanding Queen breeder who operates independently from this facility.

Annual Honey Show  
There will be an EAS honey show, so plan on preparing honey to enter into that prestigious event. The honey for the show will be displayed in the center of a very large commercial tradeshow. The room we have set aside for the tradeshow is quite extensive and we hope to have the coffee breaks in that room along with as many commercial displays as we can pack in. We hope to convince many more companies to come and sell their wares at the EAS Guelph 2015. If you are aware of anyone that would be interested in displaying please contact us as we would like to increase the number of vendors that come to EAS.

Master Beekeeper Certification  
The Master Beekeepers will be running their program at EAS Guelph 2015 and hopefully many beekeepers will take the tests which will result in new Master Beekeepers being added to this prestigious list.

Honey Exchange  
There will be the usual honey exchange so bring a few bottles of your honey to put on the table to exchange with other beekeepers to try their honey.

Train-the-Trainer  
We expect that Train-the-Trainer will also be offered at EAS Guelph 2015. This will be a one day reserved seating course that you need to sign up for when you register. This program focuses on mentors, trainers, and those running or wishing to run a beekeeping school.

Wednesday Night Auction  
Wednesday evening will be a special dinner on campus at which there will be the Beekeeper Olympics, Honey Bee Queen Auction (Ontario Queen and Nuc Producers donate queen bees for this purpose) to support the Ontario Tech Transfer Program, and Silent Auction to support the EAS Research Fund.

Friday Night Banquet  
Friday evening will be the formal banquet at which the many prestigious EAS awards are handed out. There will be fun, live entertainment at this banquet.

We hope to see you all in Richmond, Kentucky the last week of July 2014 and then again at Guelph, Ontario in 2015.

Doug McRory will be the 2015 EAS President. (He serves as EAS Vice President this year.) Doug served as the Ontario Provincial Apiarist for over 24 years and is still active in the Ontario Beekeepers’ Association (OBA). For his work with extension and the Ontario Tech Transfer Team, Doug received the Roger A. Morse Outstanding Teaching/Extension Service/Regulatory Award Supported by Anita Weiss Foundation. You can see Doug, and his lovely wife Norma, at EAS Kentucky, supporting Tammy and making notes for EAS Ontario.

The University of Guelph is 78 miles northwest of Niagara Falls.
Don’t Miss It!

July 28-August 1
Eastern Kentucky University
Richmond, KY
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: $25
2 Year Individual/Family: $45
3 Year Individual/Family: $65
Life Membership Dues: $250

Do you want to receive quarterly EAS Journals by:

- email
- postal mail (available only for annual membership)

EAS Honey Bee Research Fund Donation
Speaker & Education Fund Donation

TOTAL

Make check to EAS or enter credit card info below and send to John Tulloch, 318 Green Dr, Blountville, TN 37617:

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

Do not send this form to EAS Journal Editor.