
VOLUME 46, NUMBER 2  SPRING 2019

Master Beekeepers
CERTIFICATION EXAM

Honey Bee Health Coalition
LATEST REPORT

EAS 2019
GEARING UP FOR THE EAS 2019
SOUTH CAROLINA CONFERENCE
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WELCOME, From the Desk of the President

March 30, 2019

Dear Friends,

The day was August 4, 2017 during the EAS conference at the University of Delaware, Newark, Delaware. At 11:16 AM, I was appointed the EAS Vice President for 2018 from South Carolina. What a day to remember! I had driven up to the conference and was staying with my niece, whose son was enrolled as a senior at the University. I was the Delegate from South Carolina and although I had attended several prior EAS Conferences, it soon became clear that I had much to learn about the Job of EAS President.

Upon my return to South Carolina, I met with the South Carolina Executive Board and we began to lay the groundwork for EAS 2019. The President at the time appointed the Chairmen of the various Committees at that meeting. There was a lot of excitement about South Carolina hosting the EAS Conference for the first time ever.

We formulated a Conference Committee which now comprises 32 individuals from EAS Officials, former EAS 2018 Committee Members, and beekeepers from South Carolina. We met every other Wednesday evening and currently meet every Wednesday evening for 1 ½ hours to discuss the Status of Projects or Agenda.

We immediately began our search for the venue. All of the Universities in the area were contacted, but unfortunately either the space available was not adequate or those that could accommodate the EAS 2019 Conference were committed to other events that conflicted with our time frame. We settled on a date of July 14-19, 2019, because that was the date that the South Carolina Bee Association normally held their Summer Conference. We finally selected the Hilton Hotel and the Site Committee paid their initial visit and agreed on the site. Work began in earnest to prepare for the Conference and over the next year, all plans took shape.

Several members from South Carolina attended the EAS 2018 Conference in Hampton, VA where a very successful Conference was held. In light of the increasing attendance at the EAS Conferences, a decision made to seek a larger venue. Fortunately, the Greenville Convention Center was still available and a second site visit resulted in the decision to move the venue from the Hilton Hotel to the GCC.

We began arranging the location for our Apiary of 30 colonies of bees and reconfirming our partner Hotels. The GCC is larger so there was not much of a problem of laying out all the rooms we were to use for the Short Course and Conference (Monday, Tuesday, and Wednesday) with the Conference (from Wednesday to Friday). An exciting group of Keynote Speakers as well as approximately 35 other speakers, have been engaged and some delicious lunches and evening meals have been arranged between the GCC and Hilton Hotel.
Organizing the Silent and Live Auctions, arranging for the Children’s Program, planning all the Tours, planning the Honey Show and Honey Exchange, and calculating the Budget, are among the many other necessary projects that go into the production of an EAS Conference.

At present, we are some three and one half (3 ½) months away from the day of the EAS 2019 Conference and we are putting the final touches on the Conference Registration and Sign Up Genius by which many volunteers sign up for spots needed to insure a smooth-running Conference.

We are nearing the finish line and it has been a very information, educational, and rewarding experience. I have made many new friends and renewed many others. We are making the final arrangement for the Master Beekeepers & continue to publicize the Conference.

There have been many dedicated individuals who have worked very hard and diligently to bring this Conference to completion for a tremendous success and it is to them that I applaud, am proud of, and express my appreciation. Thank you for your attention and I hope you will make every effort to join us on July 15-19, 2019 in Greenville, SC for the EAS 2019 Conference.

With Kind Regards,

Ralph C. (Buddy) May Jr.
EAS President (2019)
HONEY BEE HEALTH COALITION

Honey Bee Health Coalition releases new guide, tool to help beekeepers make informed hive management decisions

by Dewey M. Caron and Tammy Horn

The Honey Bee Health Coalition (HBHC) has developed new resources for beekeepers — a best management practices guide for hive health; a decision support tool for varroa management; and best management practices for growers of corn and canola that include protecting bee health.

An expert team of beekeepers, entomologists, extension and regulatory agents, bee suppliers and apiary inspectors produced and reviewed Best Management Practices for Hive Health: A Guide for Beekeepers. The Coalition contracted Dewey Caron, Emeritus Professor of Entomology and Wildlife Ecology at the University of Delaware and Affiliate Professor at Oregon State University’s horticulture department, to draft the 85-page guide, available for free download at honeybeehealthcoalition.org/hivehealthbmps.

“The guide includes information about safety considerations, apiary setup and maintenance, pesticide exposure, pests and diseases, queens and nutrition,” Caron said. “These best management practices will be updated periodically to ensure beekeepers have access to the best possible resources and strategies.”

American Honey Producers Association Vice President Chris Hiatt praised the guide:

“Learning and understanding these techniques is vital for beekeepers, and there is a lot of questionable information out there that’s not based on the latest best practices,” Hiatt said. “The guide both promotes in-hive practices that strengthen bee populations and encourages beekeepers to communicate and work with farmers and landowners to improve bee health.”

Kentucky State Apiarist Tammy Horn Potter, EAS representative for EAS and member of HBHC Steering Committee, said, “These best practices will help beekeepers — from hobbyists to commercial — establish and maintain the conditions necessary for healthy colonies. The guide is full of helpful photos and graphics, and the Key Points to Remember summary following each chapter will especially benefit new and small-scale beekeepers.”

The HBHC also launched a new free, mobile-friendly Decision Tool to accompany its Tools for Varroa Management. The Varroa Tools, also drafted by Dewey, was first released in 2015; Dewey and Tammy, with a sub-committee, have revised it; it is now in its seventh edition. The manual helps beekeepers implement practical, effective techniques to control Varroa mites, one of the honey bees’ most destructive pests. The tool can be found at honeybeehealthcoalition.org/varroatool.

“The Varroa guide is downloaded thousands of times every month, but in talking to beekeepers, we find many are still confused about navigating which treatments are right for their situation and conditions,” said Mary Reed, Texas Apiary Inspection Service Chief Apiary Inspector. “With this new tool, they can input their hive conditions and management preferences and receive a list of management techniques and treatment options that fit. They can then study their options using the provided information and videos before making a decision.”

“The tool asks beekeepers five basic questions and has links to background information if individuals are unsure of their answers,” Caron said. “The tool and the full download recommends that beekeepers regularly monitor and manage Varroa mites.

Two Honey Bee Health Coalition member organizations — the National Corn Growers Association and the U.S. Canola Association — recently unveiled Best Management Practices (BMP) for corn & canola growers to help protect bees in and around corn and canola fields. Visit the HBHC website to view these BMPs.

“While corn does not rely on honey bees for pollination, bees depend on neighboring plants for forage,” said
Nathan Fields, National Corn Growers Association Vice President of Market Development. “As good stewards of the land, corn growers can follow these BMPs to help protect honey bee health, ensuring productive agricultural systems for all.” Corn growers who rotate with soybeans could also see added benefits from their pollinator stewardship because bees can increase soybean yields by up to 18 percent. The HBHC published a Soy BMP last year.

Canola is an important crop for pollinator protection because canola flowers are very attractive to bees. “Canola is an excellent source of nutrition for bees, which are essential for hybrid canola production,” said Rob Rynning, U.S. Canola Association President. “These beneficial pollinators also increase seed germination and encourage higher canola yields with better ripening.”

Both the corn and canola guides feature season-long BMPs for growers and beekeepers and a summary of key practices. These include:

- communicating about hive locations, crop management practices, and any related concerns and coordinating with beekeepers
- checking extension recommendations, considering multiple strategies for pest control, and verifying in-field needs before applying pesticides
- planting and preserving flowering plants in non-crop areas

The Honey Bee Health Coalition, a project of the Keystone Policy Center, is a nationally recognized nonprofit that brings together diverse stakeholders to find collaborative, actionable solutions to public policy challenges. The organization includes beekeepers, growers, researchers, government agencies, agribusinesses, conservation groups, manufacturers, brands and other key partners to improve the health of honey bees and other pollinators. Its mission is to corroboratively implement solutions that help achieve a healthy population of honey bees while also supporting populations of native and managed pollinators in the context of productive agricultural systems and thriving ecosystems. The Coalition focuses on accelerating the collective impact of efforts in four key areas: forage and nutrition; hive management; crop pest management; and communications, outreach and education.

The Honey Bee Health Coalition (HBHC) is a diverse group of nearly 50 organizations (including EAS, WAS, ABF and AHPA) working to improve the health of honey bees and other pollinators in the context of production agriculture.

Bee Day in Jeff Clark’s North Plains Apiary, Tualatin Valley Beekeepers Association.
MASTER BEEKEEPERS

By Landi Simone

2019 Master Beekeeper Certification Exam

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 5 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, EAS Secretary, 60 Rolling Hill Drive, Naples ME 04055. The application and recommendation forms can be downloaded from the EAS website or requested from the Certification Committee. The deadline for application is June 1st. All documents must be in by this date. We cannot make exceptions. Please note that this is a month earlier than the usual deadline because the conference is earlier this year. More information about the Master Beekeeper Certification application process and the exam can be found on the website (www.easternapiculture.org) by hovering over Master Beekeepers and then clicking on Certification.

This year’s schedule at the conference will include an open Q & A session on Monday afternoon, July 15, 2019. The written and oral exams will take place on Tuesday, July 16, 2019 and the laboratory and field exams on Wednesday, July 17, 2019.

The Master Beekeeper Certification Committee will be happy to answer questions; our email address is mbcertification@easternapiculture.org
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A Honey of a Reunion

by Karla Eisen

The EAS 2018 Honey Show was one of the best in recent memory. We all had such a great time that a group of ten of us (yes 10) comprised of a sample of judges, stewards and even two honey show entrants had a honey of a reunion at the recent University of Florida, Institute of Food and Agricultural Sciences, Honey Bee Research and Extension Laboratory (UFIFAS HBREL) Welsh Honey Judge training program given alongside the South Florida Bee College in March, 2019. All of us who did not already have certification, received a Welsh Honey Judge certification and George H. Wilson received the Senior Welsh Honey Judge certification. Congratulations to all. Pictured (from left to right): Roy Smith, George H. Wilson, Kaija Hurd-Parks, Jennifer Holmes, Michael Young, Mark Fiegl, Sandy Good, Karla Eisen, Taffee Oakes, and Marilyn Parker.

Interest in organizing and judging honey shows appears to be gaining momentum and those of us who promote excellence in the craft couldn’t be more pleased. There are few training programs for honey judges in the United States, and those that exist consist primarily of shadowing an experienced honey show judge. In 2001, the University of Georgia in connection with the Young Harris College, Beekeeping Institute started the American-based Welsh Honey Judge certification program built on British methods and judging criteria. In 2008, this program was adopted by Florida (UFIFAS HBREL) and the program is currently being tested as an independent program in Alabama. The name can be quite confusing, so following is an attempt to clarify a few things based on the wisdom of Senior Welsh honey judge, A. “Brutz” English who refers to “some strange truths” in an attempt to corral the “rumor round up.” First, the American-based Welsh Honey Judge certification is not a program used in Wales, and there is not a separate honey judge program specifically for Wales. Second, the American-based Welsh Honey Judge certification program is not affiliated with the Welsh beekeepers nor with any honey judge program in the United Kingdom (note the British Beekeepers Association have their own very rigorous requirements to become a honey judge); and third, the American-based Welsh honey judge certification program came here via Northern Ireland. The two judging systems have much consistency in judging criteria and what to look for when judging various classes in a honey show although some of the assessment and scoring methods differ. Some refer to the different methods in terms of a qualitative vs. a quantitative approach or sensory vs. analytic. There are several unique items found in a Welsh honey judge’s kit that judges in the American system do not usually use such as a long piece of string and a spring scale. Finally, yes, American-based Welsh Honey Judges are required to wear a white coat and hat during judging; the same uniform as worn by food inspectors and honey judges in the U.K. Look for more articles on honey judging and running a honey show in future EAS journals.

P.S. Don’t forget to share the excellence of the craft and enter the Honey Show where you live and at EAS 2019.
Pollen

by Linda A. Mizer

Spring is arriving at different rates throughout the states and provinces of EAS. As we watch for our busy workers seeking the first pollen and nectar to raise their brood we are sure to notice a plethora of pollen grains in their pollen baskets. It is always fun to try and link the pollen we see to the plants that our honeybees visit. Many thanks to the beekeepers of South Carolina who submitted images for this journal.

Flowers:
A. Redbud (Sheryl Brousseau)  B. Yellow Crownbeard (Megan Pearson)  C. Blue Mist Flower (Megan Pearson)  D. Pear (Jamie Bova)  E. Galanthus woronowii (Snowdrop) (Lind A. Mizer)  F. Crocus (Linda A. Mizer)

Pollen:
Crocus speciosus

Pollen photo Copyright UDEL / www.discoverlife.org

Flowers:
March 6, 2019

Dear Friends,

Welcome To The Sunny South!

The Beekeepers of South Carolina welcome the opportunity to host the first ever EAS Conference in our State. We have been preparing for this conference and enjoying each and every moment in preparing for the occasion. The beekeepers have rallied around the vast number of topics where meetings take place and plans begin to materialize.

We adopted, for EAS 2019, the theme of “Healthy Honey Bees, Healthy Planet”. We acknowledge the vast importance of the honey bee and have developed our program around these areas of importance. In the Short Course on Monday and Tuesday, we have six (6) tracks of discussion to include: Beginner, Intermediate, Advanced, Intermediate Advanced, Queen & Colony Management and Apiary. On Wednesday we begin our Conference which will include renowned Keynote Speakers each morning with Break Out Sessions after lunch for the remainder of the day with five (5) tracks simultaneously. In addition, we will have a special session for 4 hours which will be designed to educate our children. During all these events we will have the Honey Show proceedings, The Certified Master Beekeeping Exams, in excess of 40 Vendors located in a 15,000 square foot location, painted hives by volunteers with proceeds going to Charity, Auctions, both live and silent taking place, Special Tours taking place, the participation of the American Beekeepers Federation Honey Princess and all capped off with the banquet on Friday evening.

In order to arrange these activities, we have 15 groups performing certain tasks for about one year before the Conference along with representatives from the Eastern Apicultural Society Board of Directors helping to guide us in the vast project. Everyone is sincerely interested in making this First Ever appearance in South Carolina a very successful occasion.

Ralph (Buddy) C. May Jr.
EAS President
Greenville, SC

TO REGISTER
Go online or mail in the registration form found of page 52 of this Journal
## Short Course Schedule

**Sunday, July 14**  Registration open from 4:00-7:00pm

**Monday, July 15**  Registration opens at 7:30am and continues all day

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>BEGINNER</th>
<th>INTERMEDIATE</th>
<th>ADVANCED</th>
<th>Intermediate - Advanced</th>
<th>Queen &amp; colony Management</th>
<th>APIARY</th>
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</thead>
<tbody>
<tr>
<td>ROOM/ TIME</td>
<td>104 A</td>
<td>104 B</td>
<td>102 A</td>
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<td>102 C</td>
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<tr>
<td>9:25</td>
<td>10 min Stretch Break</td>
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<tr>
<td>9:35-10:30</td>
<td>BEE BASICS – Starting a New Hive Jennifer Lund, ME</td>
<td>The Frame Game – Tales of Mixing and Matching Kevin Inglin, NJ</td>
<td>Finances of Bees David MacFawn, SC</td>
<td>Beekeeping Agrotourism Kerry Owen, SC</td>
<td>Classic Doolittle Cell Building Discussion (\text{GO TO APIARY}) Greg Rogers, NC</td>
<td>Doolittle Cells and Queen Rearing Greg Rodgers, NC</td>
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<tr>
<td>10:30</td>
<td>30 Min Break</td>
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<tr>
<td>11:00-12</td>
<td>(\text{GO TO APIARY})</td>
<td>To Feed or Not to Feed, and Why, When, and How Landi Simone, NJ</td>
<td>Appalachian Beekeeping Collective of WV Cindy Bee, WV</td>
<td>Honey Bee Waste Management Walt Perrin, SC</td>
<td>Treat Smarter &amp; Feed More Surviving in Age of Mite Bombs &amp; Severe Weather Greg Rogers, NC</td>
<td>BEE BASICS for Beginners EAS Bee Wrangler &amp; Dr Weir, SC</td>
</tr>
<tr>
<td>12:00-1:30</td>
<td>90 Min Lunch Break (\text{Rm 202C - Master Beekeepers, Meet and Greet, 1:30-3:00pm Q &amp; A + Study})</td>
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<tr>
<td>1:30-2:25</td>
<td>Basics of Bee Biology Cindy Hodges, GA</td>
<td>Producing &amp; Processing Honey Danny Cannon, SC</td>
<td>Sustainability in Beekeeping Erin Forbes, ME</td>
<td>Determining the Status of the Queen Rick Coor, NC</td>
<td>Bee Basics Wranglers David Weir, SC</td>
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<tr>
<td>2:25</td>
<td>10 min Stretch Break</td>
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<tr>
<td>2:35-3:35</td>
<td>Reading Brood/Honey Frames Staci Siler, SC</td>
<td>Pollination Glenn Tyler and Wes Bonner, SC</td>
<td>Bee Products Making the Most of the Cool Stuff Your Bees Make Landi Simone, NJ</td>
<td>Strategies for Success with Brood Nest David Arnal, SC</td>
<td>Mating Yard Set Up and Maintenance Rick Coor, NC</td>
<td>Monitor for Varroa in Bee Yard w/ Brad Cavin &amp; Lewis Cauble SC/NC inspectors</td>
</tr>
<tr>
<td>3:35</td>
<td>30 min Break</td>
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<tr>
<td>4:05-5:00</td>
<td>Putting It All Together – Discussion Panel of 3 Walt Perrin, Staci Siler &amp; Cindy Hodges</td>
<td>Should You Incorporate Justin Kay, NC</td>
<td>How to Find Good Nectar Harvests Danny Cannon, SC</td>
<td>Splits &amp; Varroa EAS MB Bill Hesbach, CT</td>
<td>(\text{GO TO APIARY}) Queen Castles for Honey Production G. McAllister, NC</td>
<td>Queens in the Bee Yard w/ Rick Coor, NC</td>
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<tr>
<td>6:00</td>
<td>Dinner on your own; Greenville tour</td>
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**Tuesday, July 16**  Registration opens at 7:30am and continues all day

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<tr>
<th>TIME</th>
<th>LEVEL</th>
<th>BEGINNER</th>
<th>INTERMEDIATE</th>
<th>ADVANCED</th>
<th>Queen Rearing</th>
<th>Master Beekeepers</th>
<th>APIARY</th>
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</thead>
<tbody>
<tr>
<td>8:30-9:25</td>
<td>ROOM/TIME</td>
<td>104 A</td>
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<td>102 A</td>
<td>102 B</td>
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<tr>
<td>9:25</td>
<td>10 minute stretch break</td>
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<tr>
<td>9:35-10:30</td>
<td></td>
<td>Seasonal Management</td>
<td>Nucs the Next Step</td>
<td>Miticide Application: Do’s and Don’ts</td>
<td>Queens (continued)</td>
<td>Written Exam</td>
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<tr>
<td>10:30</td>
<td>30 minute break</td>
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<tr>
<td>11:00-12:00</td>
<td>ROOM/TIME</td>
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<tr>
<td>1:30-2:25</td>
<td></td>
<td>Benefits From Beginner Beekeeping Blunders</td>
<td>Teaching Apiaries Using MP 3 and BMPs</td>
<td>Bee Nutrition</td>
<td>Queens (continued)</td>
<td>Oral Exams (continued)</td>
<td>Nucs/Splits with James Alverson, SC</td>
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<tr>
<td>2:25</td>
<td>10 minute stretch break</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>2:35-3:30</td>
<td></td>
<td>Lewis 101 Beekeeper</td>
<td>Safety/Sanitation in Apiary and Honey House</td>
<td>Thermo-regulation and the Condensing Colony</td>
<td>Queen Rearing Wrap Up (continued)</td>
<td>Oral Exams (continued)</td>
<td>Top bar hives with Chris Rucker SC</td>
</tr>
<tr>
<td>3:30</td>
<td>30 minute break</td>
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</tr>
<tr>
<td>4:00-5:00</td>
<td></td>
<td>Putting it all Together Discussion Moderator</td>
<td>Bee Cutouts/Transfers</td>
<td>Comb Honey Production - A Boutique Addition to the Apiary</td>
<td>Local Selection</td>
<td>Oral Exams (continued)</td>
<td>Apiary Discussion With EAS Master Beekeepers + Bee Wranglers</td>
</tr>
<tr>
<td>6:00</td>
<td>Informal Event – visit local brewery</td>
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The Children’s Program will be at the Greenville Convention Center, in room 102 C, on Tuesday, July 16.
- Older children, ages 8-14 will meet at 9:00am until 11:30am.
- Younger children ages 4-7 will meet from 1:30pm until 3:30pm.
### Conference Schedule

**Wednesday, July 17**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30</td>
<td>Registration opens continuing all day</td>
</tr>
<tr>
<td>8:30</td>
<td>EAS Master beekeeper Lab test; Field exams begin 10:45 continuing in afternoon</td>
</tr>
<tr>
<td>8:30-8:45</td>
<td>EAS Conference Opening and Introductions (Buddy May, SC Presiding)</td>
</tr>
<tr>
<td>8:45-9:15</td>
<td><strong>KEYNOTE 1</strong> Dewey Caron - Best Management Practices</td>
</tr>
<tr>
<td>9:15-9:45</td>
<td>Matthew Mullica - Honey Bee Health Coalition</td>
</tr>
<tr>
<td>9:45-10:45</td>
<td><strong>KEYNOTE 2</strong> Roger A. Morse Extension, Regulatory Teaching Award – Jennifer Berry, Oxalic acid trials (and tribulations) - Go with what we know works</td>
</tr>
<tr>
<td>10:00</td>
<td>Self-guided tours of Heritage Green, Greenville</td>
</tr>
<tr>
<td>10:45-11:15</td>
<td>30 MIN Break – visit vendors; Honey Show entries; show closed for judging all afternoon</td>
</tr>
<tr>
<td>11:15-12:00</td>
<td><strong>Special Invited presentation:</strong> Mike Gardner, Spell Bee – 51 years later – I’m still learning</td>
</tr>
<tr>
<td>12:00-1:30</td>
<td>LUNCH 202C</td>
</tr>
</tbody>
</table>
| ROOM/TIME| Microbes and B sex  
104 A  
104 B  
102 A  
102 B  
102 C | Programs on Bees  
Bee Health  
Beekeeping  
Zika and bees  
Master Beekeeper |
| 1:30-2:30| Future of Microbials  
Jay Evans, USDA  
NC Born & Bred Queen Program Rick Coors, NC  
Foulbrood Disease in Honey Bee Colonies  
Meghan Milbrath, MI  
Encouraging Propolis Collection for Healthier Bees  
Cindy Hodges, GA  
Beekeeping in the Era of ZIKA  
David Arnal, SC  
Field exams (continued) |
| 2:30     | 30 min BREAK: Vendors close at 3 PM                                                        |
| 3:00-4:00| What We Need to Know About Bee Viruses  
Lewis Bartlett, GA  
NH Honey Bee Diagnostic Network  
Dave Priebe, NH  
Beekeepers as Environmental Advocates  
Stuart Anderson flow Hive inventor Australia  
Small Scale Apiary - 5-15 Colonies  
James Alverson, SC  
Pesticide Issues in SC  
Brad Cavin SC Apiary Inspector or Pesticides Division rep  
Field exams (continued) |
| 4:00     | 10 min stretch break                                                                       |
| 4:10-5:10| Honey Bee Flight & Sexual Reproduction  
Bill Hesbach, CT  
Reaching Unique Beekeepers  
Wes Bonner, SC & Jen Berry, GA  
Comparison of 4 Management Systems  
Justin Kay, NC  
Appalachian Beekeeping Collective  
Cindy Bee, WV  
Bee Toxic Pesticides Impact on Bee Forage, Mosquito Control, and Stakeholder Communication  
Michele Colopy, Stewardship Council, OH  
Field exams (continued) |
| 6:30     | Cash bar and Dinner at Hilton Hotel                                                       |
### 2019 EAS ANNUAL CONFERENCE THURSDAY JULY 18

**All day**  
Registration; honey show open; silent auctions, honey exchange

**8:30-8:45**  
Opening and Introductions  
*David MacFawn Program co-chair presiding*

**8:45-9:40**  
*KEYNOTE 1: Kirsten Traynor, MD – 2 million blossoms – Protecting our Pollinators*  
10 min stretch break

**9:50-10:40**  
*KEYNOTE 2: Jay Evans, USDA- Genes, Germs, and Stress: Helping bees to help themselves*  
30 min break

**11:10-12:00**  
*J.J. HAMBLETON RESEARCH AWARD: Reed Johnston, Ohio State Univ. Solving Problems at the Intersection between Bee Foraging and Pesticide Application*

**12:00-1:30**  
**LUNCH**  
Registrants for tour to Bee Well Honey Farm board busses

## TRACK

<table>
<thead>
<tr>
<th>ROOM/TIME</th>
<th>Special presentations</th>
<th>Honey Bee Health</th>
<th>Keynoters Encore</th>
<th>Pollination</th>
<th>Apiary</th>
<th>Honey show</th>
<th>Tours/spec programs</th>
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<tbody>
<tr>
<td>104 A</td>
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</table>
| 102 A     | Varroa Mite Impacts on Queen Quality and Genetic Diversity in the Hawaiian Islands.  
*Lauren Rusert, NC State Student Award Winner* | Small Hive Beetle A to Z  
*Mike Hood, SC* | Good Science in Your Backyard: How to Test New Products for Varroa Control  
*Kirsten Traynor, MD* | Pollination Finance  
*David MacFawn, SC* | Open Apiary with Bee Wrangler |                    |
| 102 B     |                       |                  |                  |             |        |            |                     |
| 202 B     |                       |                  |                  |             |        |            |                     |
| 101 B     |                       |                  |                  |             |        |            |                     |

### TRACK Special Presentations

**1:30-2:30**
- **Varroa Mite Impacts on Queen Quality and Genetic Diversity in the Hawaiian Islands.**  
  *Lauren Rusert, NC State Student Award Winner*
- **Small Hive Beetle A to Z**  
  *Mike Hood, SC*
- **Good Science in Your Backyard: How to Test New Products for Varroa Control**  
  *Kirsten Traynor, MD*
- **Pollination Finance**  
  *David MacFawn, SC*
- **Open Apiary with Bee Wrangler**

**2:30**
- **30 min Break – Visit Vendors**

**3:00-4:00**
- **Polyandry - The Neglected Step-child of Bee Breeding**  
  *Keith Delaplane, GA*
- **The Enigma of Nosema-Exploring our Understanding of an Invisible Disease.**  
  *Dorinda Priebe, NH*
- **Novel Control Strategies for Bee Viruses.**  
  *Jay Evans USDA, MD*
- **Pollination in SC**  
  *Glenn Tyler &/or Wes Bommer SC*
- **Small Hive Beetle in Practice**  
  *Mike Hood, SC*
- **Honey Show Open**  
  *(continued)*

**4:00**
- **10 min Stretch Break**

**4:10-5:10**
- **An Overview of Honey Bee Pesticide Testing and Regulatory Toxicology**  
  *Reed Johnson. J.J. Hambleton Winner*
- **Bee Sex and Neonicotinoids**  
  *Geoff Williams, AL*
- **Splits for Swarm Control**  
  *Meghan Milbreath, MI*
- **Beyond Honey Bees: A World of Other Pollinators**  
  *Jon Zawislak, AR*
- **Testing for Nosema Show and Tell**  
  *Dave & Dorinda Priebe, NH*
- **Honey Show Open**  
  *(continued)*

**6:30**
- **Hilton Hotel Buffet meal; Honey show winners; Benefit Auction**

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**Evening Activities**

- **3:00-7:00pm** - Silent Auction  
- **5:00-9:00pm** - Cash Bar  
- **6:30-8:00pm** - Hilton Hotel Buffet Dinner  
- **7:30-8:30pm** - Live Auction

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Conference program schedule subject to minor changes. View speaker bios and photos on EAS 2019 website.
# Friday, July 19

## 2019 EAS Annual Conference

### Friday, July 19, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>8:30</td>
<td>Registration open until noon; honey show &amp; Vendors open until after lunch</td>
</tr>
<tr>
<td>8:30</td>
<td>Opening and Introductions <a href="#">Dewey Caron</a>, Program co-chair presiding</td>
</tr>
<tr>
<td>8:35</td>
<td><strong>KEYNOTE 1</strong> <a href="#">Meghan Milbrath</a>, MI The Greatest Generation: protecting our winter bees</td>
</tr>
<tr>
<td>9:35</td>
<td><strong>KEYNOTE 2</strong> <a href="#">Geoff Williams</a>, AL What BeInformed Survey says about Bee Health</td>
</tr>
<tr>
<td>10:25</td>
<td>25 min BREAK – last chance to visit vendors – they breakdown following lunch</td>
</tr>
<tr>
<td>10:50-11:10</td>
<td><a href="#">Honey Princess</a> – <a href="#">Nicole Medina</a>, NJ Maine Promo - <a href="#">Peggy McLaughlin</a>, ME</td>
</tr>
<tr>
<td>11:30</td>
<td><a href="#">EAS Member Meeting</a> Award winners II</td>
</tr>
</tbody>
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<tr>
<td>ROOM/TIME</td>
<td>Award winners II Bee Health Bees around the globe Our hosts Apiary</td>
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<tr>
<td>104 A</td>
<td>104 B 102 A 102 B 101 A</td>
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<tr>
<td>1:30-2:30</td>
<td>Stressor Interactions: When Parasites &amp; Pesticides Collide Geoff Williams, AL Its all About “Jeans” (DNA) Fleming Mattox, SC Beekeeping in Lithuania David Arnal, SC Lighter Side of Beekeeping Mike Hood, SC Last Chance for Apiary Bee wranglers</td>
</tr>
<tr>
<td>2:30</td>
<td>30 min Last Break; Pick up Honey Show entries</td>
</tr>
<tr>
<td>3:00-4:00</td>
<td>Beekeeping in Paradise Lauren Rusert EAS Student award winner What Bees in Nature Can Teach Us About Colony Health Keith Delaplane, GA Beekeeping Support in Malawi Bob Kloss, NJ TBA TENTATIVE New BEE Hire Clemson Univ MB Exams Reviews Deb Delaney, DE</td>
</tr>
<tr>
<td>4:00-5:005</td>
<td>Honey as Medicine: What Does the Science Say? Kirsten Traynor, MD Common Beekeeper Mistakes Jon Zawislak, AR Audience Sharing of Bee Travel Stories Interpretative Bee Program Martin Bouknight Discovery Place Nature Charlotte, NC</td>
</tr>
<tr>
<td>6:00</td>
<td>Banquet at Hilton Hotel: MB Awards &amp; Thanks, Bee Tales Dewey Caron</td>
</tr>
</tbody>
</table>

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[NOTE: Conference program schedule subject to minor changes. View speaker bios and photos on EAS 2019 website.]
OTHER ACCOMODATION OPTIONS

HYATT PLACE, GREENVILLE – HAYWOOD
40 West Orchard Park Drive, Greenville, South Carolina, 29615
Contact: 864-232-3000 • GM.greenville@hyatt.com
Distance: 2.2 miles from Convention Center
EAS Group Code: G-SCEA
EAS Rate: 2 Double Bed or King Bed…$119 + Tax

LA QUINTA INN AND SUITES
65 West Orchard Park Dr., Greenville, SC 29615
Contact: 864-233-8018
Distance: 2.4 miles
EAS Group Code: 01721649
EAS Rate: $109 + Tax - King with pull out Sofa or Two double Beds
http://www.laquintagreenvillehaywoodroad.com/

COMFORT INN, HAYWOOD MALL AREA
246 Congaree Road, Greenville, SC 29607
Contact: 864-288-1200
EAS Group Code: EAS 2019
EAS Room Rate: Two Queens or One King Bed  $90 + Tax
https://www.choicehotels.com/south-carolina/greenville/comfort-inn-hotels/sc543

QUALITY INN AND SUITES, HAYWOOD MALL AREA
50 Orchard Park Drive, Greenville, SC 29615
Contact: 864-254-6383
Distance: 0.3 miles from Convention Center
EAS Group Code: EAS 2019
EAS Rate: Two Queens or One King Bed $90 + Tax
https://www.choicehotels.com/south-carolina/greenville/quality-inn-hotels/sc150

HAMPTON INN, HAYWOOD MALL
Address: 255 Congaree Road, Greenville, SC 29607
Contact: 864-516-2400
Distance: 1.8 miles
EAS Group Code: EAS
EAS Rate: 2 Queen Beds $105 + Tax

PREFERED 2019 EAS ACCOMODATION CHOICE

HILTON, GREENVILLE
Address: 45 West Orchard Park Drive, Greenville, South Carolina, 29615-3548
Phone: 864-232-4747 FAX: 864-235-6248
Distance: 2.5 miles from Greenville Convention Center
EAS Group Code: EAS19
EAS Room Rate: $115 + Tax
Flat rate up to 4 guest per room

Book your accommodations at the Hilton Greenville, using the EAS Group Code #EAS19 and receive a complimentary breakfast each morning.
Meal Options - EAS 2019

This year’s meal options do not include an onsite cafeteria. Breakfast is on your own at your choice of lodging. If you are staying at the conference hotel, Hilton Greenville, EAS has arranged a complimentary breakfast for you in the Blue Ridge room if you booked your room using the EAS discount code.

We are offering boxed lunches at the convention center for $19 each with your registration. All boxed lunches include a sandwich, choice of beverage, chef’s choice of side salad (potato, pasta, orzo, vegetable, etc.), potato chips and a cookie. Vegetarian options are offered daily and the convention center can handle special dietary requests if notified in advance. Please be aware that there are no restaurants within walking distance of the convention center. If you wish to eat lunch onsite, kindly indicate your lunch selections when you register.

Dinner is also on your own Monday and Tuesday which is a great opportunity to explore the many restaurants in downtown Greenville. With over 100 dining options, Greenville has a restaurant to fit every taste and budget. From chain restaurants to fine dining, barbecue joints, soul food, pubs, and sweet shops, you’ll enjoy a tasty night on the town. If you are staying at the Hilton, avail yourself of their shuttle which is a free transportation service within a 5-mile radius of the hotel.

Our Wednesday dinner is $30 per person by ticket. The Southern Buffet features chicken barbecue with a choice of South Carolina’s signature mustard-based sauce or Apple-infused sauce and all you care to eat of traditional side dishes including coleslaw, macaroni & cheese, potato salad, green beans, rolls, and cookies. Beverages include sweet tea, unsweetened tea and water as well as a cash bar. Live entertainment will be provided so wear your dancing shoes and waggle the night away. Kindly purchase a ticket with your registration to participate.

Our Thursday Awards Dinner is $40 per person by ticket and features a buffet of both Chicken Marsala and Pasta Primavera (vegetarian), Garden Salad with Italian or Ranch dressing, Chef’s Selection of Starch and Seasonal Vegetable, Rolls with Butter, Coffee, Tea and Water plus a dessert of both Blondies and Brownies. A cash bar is open the entire evening. Please make sure to purchase your dinner ticket with your registration as we cannot guarantee tickets will be available at the door.

Our Friday Annual Banquet is a plated dinner at $50 per person by ticket and features your choice of entrée. Choose from Herb Marinated Chicken Breast fire roasted with a Chablis plumped sundried tomato veloute; Fire Roasted Flank Steak, a house recipe marinated with a forest mushroom demi-glace; or Vegetable Crepes stuffed with garden vegetables and ricotta in house-made Pomodora sauce (vegetarian). Dessert is a choice of New York Cheesecake or Triple Chocolate Mousse Cake. All plated dinners include a Garden Salad with Italian or Ranch dressing, Chef’s Selection of Starch and Seasonal Vegetable, Roll with Butter, Coffee, Tea and Water. A cash bar will be open the entire evening. Please purchase tickets for the Friday dinner with your registration.
2019 EAS Honey Show
by Steve Genta

Welcome to Greenville, SC. I want to encourage every attendee to consider entering our EAS Honey Show this year. As always, we have many categories to choose from that will allow you to show off your talents in every aspect of beekeeping. Whether you suit up and get into your colonies, or prefer to show off your talents in photography or artistic endeavors, the Honey Show is for you.

It can be fun and rewarding competing against other beekeepers for awards and bragging rights, but the honey show is more than that. It is an educational opportunity, a way to help you improve your products and increase your profits. Our judges are highly trained and willing to share their knowledge to help you produce products of the highest quality.

The EAS Honey Show is actually 7 shows, with multiple categories in each show. I am certain there is a category that will interest you. Each class has the potential of six ribbons to be awarded, so you have a great chance at winning a coveted EAS ribbon. We will also award SILVER awards for Best in Show, the Sweepstakes Award, and Silver plates for:

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

The following are the general rules that our judges will be using this year. Please read the rules carefully. Your entry is not being judged against the other entries, but against a perfect entry.

Good Luck
- Steve Genta
Honey Show Superintendent
1. Entries shall be registered at the EAS Honey Show in the Greenville Convention Center on Tuesday from 3:00-6:00 PM and on Wednesday from 8:00-11:00 AM.

2. 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.

3. Only one entry in each class may be exhibited by an individual, that individual’s family, or that individual’s apiary.

4. At the time of entering, the stewards will place a small label, with the exhibitor's number, inconspicuously on the entry. The purpose of these small numbered labels is to keep track of entries in a registration book in case of ownership disputes. One label shall be affixed to the Entry Form, one label shall be affixed to the Judging Sheet, and one label shall be given to the exhibitor, in order to reclaim their entry after the Honey Show. Required 3” X 5” cards will also be numbered at the time of entry registration.

5. Separate section or class rules will apply.

6. 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.

7. The exhibitor must choose the class in which to place entries. Judges, under the direction of the Honey Show Superintendent, may adjust classes at their discretion.

8. Entries can only be made during the hours published.

9. Entries must be left intact and on display until released by the Show Superintendent.

10. No commercial products or displays are permitted.

11. No EAS entry may be resubmitted for a period of three years.

12. The decision of the judges in all cases will be final.

13. Entries will not be accepted by mail or commercial carriers but may be hand delivered, on behalf of a qualified entrant, by another person attending the conference.

14. The Show Superintendent has the authority to accept, reject and classify entries in accordance with the show policies, rules and judging criteria.

15. Any exhibitor wishing to protest must do so to the Show Superintendent within one hour of the public opening of the show.

16. 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.

17. Entries not claimed by the end of the conference will be disposed of by the Show Superintendent.

For specific rules pertaining to individual categories, see the complete rules posted on the website.
EAS Auctions and Sponsorships

By Linda A. Mizer

What a wonderful way to fill that craving for bee-related goods and have your money support EAS-sponsored research. This year marks the return of the very popular Daily Silent Auctions that will be set up in the Greenville Conference Center each day. Smaller items, both functional and fanciful will be laid out and your bids are welcome on the accompanying sheets. Drop by between classes and on the way to the vendors to ensure your chances at being the winning bidder. New items are offered twice daily and the auction provides a delightful way to find that special something for yourself or others.

On Thursday evening, there will be two auctions that will be held in conjunction with the banquet at the Greenville Hilton Inn. The first will be a Silent Auction that will start prior to dinner and close as dinner finishes. Items are donated by conference goers, bee-supportive groups and our vendors and sponsors. The items are laid out for viewing and bidders record their bids on the accompanying sheets. You will need to keep an eye on your items of interest to make sure you are not outbid!

The second auction is a Live Auction that will commence as dinner finishes. Items are laid out for display prior to dinner and then auctioned off one at a time by a professional auctioneer – usually with a lot of laughter, fun and good-humored competition. In the past, items have included books, hives, quilts and other bee crafts, the blue-ribbon winners of the honey show, queen bees, and wonderful “State/Provincial and even International Baskets” donated by EAS member state associations, vendors, sponsors and individuals.

If you have a bee-related item that you would like to bring to donate for the Thursday evening auctions, please do so. Details on where and when to drop off auction items will be provided at Registration. In an age of “Tidying Up,” the EAS Conference Auctions provide a great second home for the treasures you are passing on.

NOTE TO HONEY SHOW ENTRANTS:
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 classes are encouraged to donate their entry if they so desire.

If you enter the Black Jar contest, we ask you bring an additional 1lb jar with your label on it to be auctioned off at the Thursday banquet should your honey be the blue ribbon winner of the Black Jar contest category.
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TOUR 1
GREENVILLE HISTORIC WALKING TOUR AND RESTAURANT EVENING

MONDAY, JULY 15 2019
6:10-7:15pm

Transportation by attendees to and from downtown Greenville. Parking found at the following facilities:

1. River St Garage, 414 River St
2. Riverplace Garage, 300 River St
3. Parking Lot, 201 River St

Meet at the corner of Main St. and Fall Park Dr. in downtown Greenville. This tour begins at the very birthplace of Greenville: Falls Park. Less than a handful of American cities can boast such allure that this gorgeous 40’ waterfall casts on visitors today. Tour attendees will receive a chronological history of our city beginning with a view at the falls from the newest icon of the city’s cityscape-the award winning pedestrian Liberty Bridge. You will discover the context surrounding the revitalization of Greenville’s downtown over the last 40 years.

Tour guide, John Nolan, is a noteworthy guide for Greenville’s first tour company and author of A Guide to Historic Greenville.

Food and drinks are available after the tour from nearby mid-priced restaurants. A suggested list follows (reservations suggested):

1. Smoke on the Water, 1 Augusta St, #202
2. Hall’s Chophouse, 550 S Main St
3. Jianna, 600 S Main St, #2
4. Pomegranate on Main, 618 S Main St
5. Soby’s, 207 S Main St

Optional dessert (cupcake, cookie and coffee) voucher is $3.50/person.

Cost: This tour costs $12/person by reservation. Tour limited to 40 people.
IRON HILL BREWERY TOUR AND RESTAURANT EVENING

TUESDAY, JULY 16 2019
6:00-9:00pm

Transportation will be by the attendee, carpooling preferred

Iron Hill Brewery
741 Haywood Rd
Greenville SC 29607

(One mile proximity to the Hilton; walking not advised due to traffic).

Iron Hill is a regional brewpub chain with national acclaim dispensing scratch beers. Personal tour of facility is by the brewmaster and includes 2oz tasters. Food will be from the mid-priced Iron Hill Restaurant's craft kitchen featuring an eclectic menu with a variety of choices.

Cost will be attendee's meal and drinks (alcohol or not) and transportation only.

Attendance limited to 200.
MUSEUMS ON HERITAGE GREEN TOUR
AND/OR VISITATION

WEDNESDAY, JULY 17 2019

Transportation will be by the attendee, carpooling preferred. All museums are within walking distance of each other.

1. Greenville County Museum of Art
420 College St
Greenville SC 29601
Open from 10am - 5 pm
Cost: free, parking extra

Self-guided tours of this premier American art museum home to the world’s largest public collection of watercolors by iconic American artist Andrew Wyeth and of a collection of paintings and prints by contemporary artist Jasper Johns.

2. Upcountry History Museum
540 Buncombe St
Greenville SC 29601
Open from 10am - 5 pm
Cost: $9 adult, $8 senior/veteran

Self-guided tours of regional history displays of 15 upstate SC counties from 18th century to the present.

3. Carolina Music Museum
516 Buncombe St
Greenville SC 29601
Open from 10am - 5 pm
Cost: $6 adult, $5 senior/veteran, parking extra

Self-guided tours of historic keyboard collections and featured historic musicians and instruments.

4. Children’s Museum of the Upstate Greenville
300 College St
Greenville, SC 29601
Open from 9am - 5 pm

Self-guided tour targeted for children under 12 years of age. This large museum has multiple hands-on galleries plus camps and programs and a restaurant. 2.5 hrs
BEE WELL HONEY FARM

THURSDAY, JULY 18 2019
12:15pm - 5:00pm

Transportation will be by means of Clemson University vans and drivers to and from the Greenville Convention Center Lobby.

Bee Well Honey Farm is in Pickens, SC and is roughly a 25 mile trip from Greenville. It celebrates 20 years of family owned and operated beekeeping and honey business under the direction of Kerry and Donna Owen. Bee Well Honey Farm sells raw, unfiltered honey to many private and commercial individuals, in addition to packaged bees, nucs, queens and beekeeping supplies.

You will be greeted by the owners, Kerry and Donna Owen, and presented with a short video on the Bee Well story. The tour will consist of 15,000 square feet of honey extraction, bottling, and distribution; candle making, soap making, mead making, infused honey, pollinator garden and 2 retail locations. Covered picnic tables will provide seating for lunch. We will then board buses and travel 1 mile to 205 Hampton Ave for coffee and snacks and tour the Bee Well Natural Market and Coffee Shop. Where visitors can shop and grab a latte for the ride home.

Cost: $25. Price includes a Build Your Own Sandwich Lunch Buffet from an assortment of lunch meats, cheeses, veggies and breads, plus chips, cookies, apples and soft drinks.
Children’s Program

By Cathy Vorisek

Cathy grew up on a dairy farm in northwestern Pennsylvania. She earned her teaching degree in Early Childhood Education at Edinboro University, Pa. Her oldest daughter began beekeeping as a Future Farmers of America (FFA) enterprise in 1992. Two FFA daughters kept the beekeeping enterprise for nine years. Cathy and her husband, Charlie, were named Honorary FFA members with five children receiving the highest award in Pennsylvania, the Keystone Degree and four receiving American FFA Degrees.

Cathy and her husband have co-chaired the Apiary Department at the Crawford County Fair since 1997. And have actively chaired the Pennsylvania Farm Show exhibit and Apiary Learning Station since 2010.

Each year, Cathy sets weeks aside to fill requests at local and regional elementary schools to teach about honeybees and related agriculture. In 2015, they were awarded “Educator of the Year” from the Crawford County Conservation District.

Cathy has served the Pennsylvania State Beekeepers on the Pennsylvania Honey Queen committee and hosted American Honey Queen visits to Crawford County. She has presented workshops at the annual Pennsylvania beekeeper’s conference offering her experience with teaching about honeybees to children.

Cathy works for the Pennsylvania Friends of Agriculture Foundation, a charitable organization sponsored by Pennsylvania Farm Bureau. There she teaches on the Mobile Ag Ed Science Labs and brings fun ways of learning agriculture to schools across the region and state.

Cathy is a board member of the Crawford County Farm Service Agency. She is also on the board of Crawford County Farm Bureau and is District chairperson for Pennsylvania Farm Bureau Promotions Committee.

Vorisek’s Backyard Bee Farm provides pollination services for local growers, supply replacement bees for regional beekeepers and are the only full time beekeeping operation in their 10 county agricultural region. They operate around 200 colonies, producing seven to eight tons of honey, which is all marketed locally.
Hello all EAS members! Nansemond Beekeepers Association in Virginia is returning again this year bringing a variety of painted hive boxes to the EAS convention for all to enjoy. This is our 6th annual painted hive body competition for our club.

For those of you not familiar with our hive body competition, the competition is a project in which individuals from schools and the community express their creativity by painting bee hive boxes. It is open to school-age children, amateur adults, and professional artists. Our club members started this year’s project in October, 2018 by assembling and priming the hive boxes at one of our fellow member’s home. This gave us an opportunity to teach new beekeepers how to assemble woodenware and share bee stories. We toasted with mead and enjoyed our barbecue potluck at the end of our day after completing approximately 80 boxes. Over the past several months, the boxes have been painted and will be returned to be displayed throughout several areas in the local community starting in April, 2019.

The painted hive boxes will be on display at five different venues this year for the public to view and participate in a silent bid. These venues provide us with an opportunity to teach the public about honey bees. Before arriving at the EAS, a panel of judges will decide on the winning boxes in each category. Proceeds from the silent bids that will run until the end of the EAS Conference are used to fund bee research.

Students participating in bee research can apply for assistance by following our club’s application process listed on our website https://www.nansemondbeekeepers.org. Applicants are reviewed and approved by a vote of club members. Last year we were able to assist two students involved in bee research. We are looking for potential candidates for this year and are open for suggestions.

We are so proud of the members in Nansemond Beekeepers Association for all their support and time in keeping this competition going for the past six years. It’s a fun and educational experience that takes a lot of volunteer time and effort in making this painted hive-box competition a success. We are so excited to share our painted hive boxes with you this year in Greenville, South Carolina, and hope everyone will be ready to join in our friendly competition and bid on their favorite box to take home.
DOWNTOWN:
Start with a stroll down our award-winning Main Street. Cruise through the one-of-a-kind boutiques and shops. Step out onto the Liberty Bridge at Falls Park on the Reedy and gaze down at the waterfalls. Restaurants, public art, theater, galleries, shopping, and more!

THE VILLAGE:
The hip factor has been driven up with the emergence of the Village of West Greenville. Anchored by historic buildings, lovingly renovated and updated, The Village is home to more than 65 businesses including galleries, retail stores, and restaurants. Think SoHo gone Greenville!

AUGUSTA ROAD:
Awe-inspiring antebellum homes are a good indication you’ve found yourself immersed in the “05.” (That’s local speak for this zip code.) Lots of shopping can be done in this charming and historic part of town. There are more than 75 shops and eateries to enjoy.

CHERRYDALE POINT:
An expanding business district known for its services, shopping, and range of fast and casual dining options, Cherrydale also serves as a gateway to nearby Furman University, Travelers Rest, and all points north. A multi-screen cinema and growing residential areas are here, too.
What is it about downtown Greenville that attracts millions of visitors to spend an afternoon, a day, or a weekend in our charming metropolis? Maybe it’s the countless warm, welcoming storefronts that line the tree-shaded sidewalks, offering everything from chic designer fashions to handmade souvenirs, gourmet provisions to one-of-a-kind jewelry and artwork. Or perhaps it’s the fragrant, multi-flavored aromas of some 100+ coffee shops, cafes, and restaurants wafting across Main Street and beyond. Or it could just be those twinkling lights glistening in the trees that line the boulevard, especially when the horse-drawn carriages are clip-clopping along underneath them. But really, we like to think it’s a combination of all these things that set this place apart.

As one of South Carolina’s most rapidly growing urban areas, the city has experienced continuous evolution over the years, progressing into a culinary, commercial, and cultural capital that blends cosmopolitan cool with traditional Southern charm. And while we could rattle off the numerous glowing accolades we’ve earned from top publications like The New York Times, Wall Street Journal, and National Geographic Traveler, (to name a few) we invite you to come see for yourself what the fuss is all about. Around every corner, down every block, at every turn, a new and exciting experience is waiting to be discovered. You just have to know where to look!
While Greenville’s modern downtown landscape may look significantly different than the days of yore—we’ve thankfully paved the roads and installed stoplights since then—the more contemporary additions to the city’s textured scenery, layered with murals and memory-evoking nods to history, creates an enduring legacy all its own. The pedestrian-friendly layout is designed to promote walkability, and that makes it easy to create your own personal tour of Greenville’s most iconic and distinctive landmarks.

FALLS PARK ON THE REEDY

The most recognizable of all our iconic sites is located right in the center of downtown—in the West End Historic District. The 345-foot long Liberty Bridge curves fluidly through the treetops to provide unimpeded aerial views of Falls Park on the Reedy (considered one of the “Top 10 Parks in America” by TripAdvisor) and the Reedy River Falls below. The park’s expansive 32 acres provide a permanent greenspace enhanced by walking paths and swinging benches, kaleidoscopic rock-walled gardens, thousands of gorgeous flowers, and downstream rivulets carved by the Reedy River’s flowing waters. When the weather’s just right, Falls Park also plays host to a number of outdoor events: kick it English Renaissance-style (minus the lace collars and petticoats) at live performances of the Bard’s greatest hits during the Upstate Shakespeare Festival in summer and cozy up under the stars for Fidelity Investments Moonlight Movies in May and September.

MAIN STREET

Since its establishment more than five centuries ago—first as a county in 1786 and then later as a chartered city in 1869—Greenville has taken on many forms, and nowhere is this pattern of transformation and growth more evident than on Main Street. By 1960, Greenville was known as the “Textile Capital of the World,” and today the town is still a lively, diverse, and engaging hub of energy. Bolstered by architectural innovation, the resurgence of dining and small business, and the growth of residential development, downtown Greenville has never been more alive. The good news? Main Street serves as the main artery (pardon our pun) for accessing all of the entertainment, eateries and activity downtown has to offer! Let’s take a walk, shall we? At the northern part of Main Street, just outside the Hyatt Regency Greenville and Roost Restaurant, you’ll spot NOMA Square—it’s pretty hard to miss with all those neon green chairs sitting around. This is the place where you’ll raise a stein in prost for Oktoberfest, feel a little lucky at the St. Patrick’s Day Parade and Irish Festival, and rock out to free live concerts featuring regional and national musicians during Thursday night’s Piedmont Natural Gas Downtown Alive and Greenville Heritage Main Street Fridays.

But wait, there’s more! This urban playroom is home to invigorating yoga and Pilates classes, swing dancing lessons, and a monthly, pup-friendly Yappy Hour.

Heading farther south down Main Street will bring you to ONE City Plaza. A spacious, inviting...
gem dotted with ample outdoor seating and unique design accents, ONE City Plaza is flanked by the Aloft Greenville Downtown hotel, popular food and drink spots Tupelo Honey, Sassafras Southern Bistro, Basil Thai Cuisine, SIP Whiskey & Wine Bar, and the gourmet market Caviar & Bananas, as well as the nearby Mast General Store, Orvis sporting gear, and boutique retailer Anthropologie. Stroll through the plaza to Methodical Coffee for a hot roast or nab a cold juice from Southern Pressed Juicery and take your seat under the trees for a little afternoon reboot. After all, people-watching is always fun and always free!

As the Reedy River starts to come into view, so too does another jewel in Main Street’s crown: the Peace Center. When the 2,000+ seated theater opened its doors in 1990, it helped kickstart the downtown area’s cultural rebirth, acting as a conduit and enabling a variety of Broadway touring productions, acclaimed artists, and well-known public figures to reach area audiences. The Peace Center has since transformed into a multi-venue performing arts complex that boasts the smaller, intimate Gunter Theatre and the outdoor TD Stage. It also serves as the permanent home stage for resident performing groups the Greenville Symphony Orchestra, Carolina Ballet Theatre, South Carolina Children’s Theatre, Greenville County Youth Orchestra, International Ballet, Greenville Chorale, and the South Carolina Governor’s School for the Arts and Humanities.

Look out across the river directly from the Peace Center (preferably through the two-story glass windows of Genevieve’s, the Peace Center’s theater lounge—great for cocktails and light bites) and you’ll catch a glimpse of RiverPlace. Encompassing 10 downtown acres, the multimillion-dollar development is comprised of four private residential communities, two luxury hotels, office space, a mix of upscale and locally owned restaurants and hangouts including the Mediterranean fare-based Lazy Goat, Halls Chophouse, Larkin’s on the River, Papi’s Tacos, O-CHA tea bar, and Blues Boulevard Jazz. Greenville’s vibrant creative community has also flocked to set up shop along RiverPlace’s colorful walkways; be sure to check out the RIVERWORKS Gallery, Art Crossing co-op spaces, and the assorted studios situated by the river’s edge.

If you were raised in the South, chances are you’ve heard of Duke’s Mayonnaise—and consider it a cardinal sin to use anything else. Besides having a monumental impact on our sandwiches, company founder Eugenia Duke helped spur the movement for women’s equality in 20th-century Greenville. With the dedication of the Eugenia Duke Bridge—a pedestrian walkway linking the Peace Center complex and RiverPlace—in March of 2018, her legacy will continue to inspire generations of residents and visitors alike.

Long before it became hailed as one of Greenville’s most sought-after event venue, the historic Wyche Pavilion (at one end of the Eugenia Duke Bridge) lived two previous lives: first as a carriage factory paint shop, and then as home to Duke’s Mayonnaise’s very first factory. These days, the open-air brick structure enjoys its current role as a stylish site for newlyweds to celebrate their nuptials against the picturesque panorama of the adjacent Reedy River (and it’s just as inviting for kids in need of a place to run free and wild).

Listen closely: do you hear the crack of a baseball bat? The roar of the crowd as the batter rounds third and heads for home? Then you’ve probably passed by more fabulous shopping boutiques, spas, and dining (or imbibing) places in the historic West End like Rick Erwin’s West End Grille, Smoke on the Water, The Velo Fellow, and Encore Gastrolounge; you’re now nearing the home stadium of Greenville Drive baseball—Flour Field at the West End. In keeping with the spirit of the minor league team’s affiliation with the Boston Red Sox, Flour Field was designed to replicate Fenway Park in Boston, complete with a 30-foot “Green Monster,” manual scoreboard, and renditions of the Neil Diamond classic “Sweet Caroline” ringing through the stands during the eighth inning. And can you really call yourself a baseball fan if you don’t order a hot dog?

Did you know that there are more than 70 pieces of public art sprinkled throughout the downtown area? The diverse collection ranges from towering abstract steel sculptures planted in parks and in front of local lodgings to hand-painted murals adorning the façades of historic buildings, life-size bronze incarnations of Greenville’s most prominent founders, and instrumental figures—look for the “Father of Greenville” Vardry McBee as he keeps a careful watch on Main Street in the square beside Soby’s New South Cuisine—to fountains and water walls. It’s an art museum done alfresco-style. And remember to watch your step—the nine little Mice on Main like to play their spirited game of hide-and-seek. Think you can find them? Grab the clues on the pull-out postcard located between pages 48 and 49 of this guide.

CHECK THAT OUT!
EAS UPDATES

EAS State Meetings

EAS would like to share the upcoming meetings of our various states. Many thanks to the state directors who were able to provide these details. Many of us live within a relatively easy commute to other state meetings and I hope you will be able to attend as many as you wish.

**ALABAMA**

Bill Miller

The Alabama Beekeepers Association has three events in the designated May-October timeframe:

May 4, 10 am - 2 pm: Annual Picnic – Alabama Wildlife Center, Millbrook AL

August 17: North Alabama Beekeeping Symposium, Calhoun Community College, Tanner AL

September 20, 21: Annual Meeting – Clanton Performing Arts Center, Clanton AL

After that, the next meeting will be the Alabama Cooperative Extension Service's Beekeeping Symposium on Feb. 1, 2020.

**CONNECTICUT**

John C. Baker

June 1 at Lockwood Farm, CT Agricultural Experiment Station in Hamden

October 5 at Memorial Hall in Bethlehem, CT

November 23 (SNEBA) at Groton Inn and Suites, Groton, CT

**DELAWARE**

Robert Bauer

The Delaware Beekeepers Association has monthly meetings in each of its three counties. The meetings are open to the public; you do not need to be a member to attend. The meeting information is as follows:

Sussex County Beekeepers meet the first Tuesday of the month at 7:00 p.m. in the meeting room at the University of Delaware Research & Education Center located at 16684 County Seat Highway, Georgetown, DE 19947. For more information, contact Carla Lewis at CLewis4863@Gmail.com or (302)236-4115.

Kent County Beekeepers meet the second Tuesday of the month at 7 p.m. at the Paradee Center in Dover (69 Transportation Circle, Dover, DE 19901). For more information, e-mail Mary Randall at handsrforever@yahoo.com

New Castle County Beekeepers meet each month at 7:00 p.m. in the Community Room at the Delaware State Police Troop 2, 100 LaGrange Ave., Newark, DE 19702. For more information, contact Ray Walker at ray.m.walker@gmail.com

The current president of the Delaware Beekeepers Association is Ray Banks and he can be reached at RAYMONDBANKSL@gmail.com or his cell 302-339-5072.

**GEORGIA**

Linda Tillman


**INDIANA**

Debbie Seib

June 15th is our Purdue Field Day. We are hosted by Purdue Bee Lab and we get into the hives at the Lab. Cost is $25 per person that includes coffee/juice/donuts in the morning and a lunch of smoked meats with salads.

August 2 through August 11 is our State Fair. We have a booth setup in the Ag Horticultural building that has honey ice-cream, honey lemonade and of course all other items from the hive. In addition, we have an observation hive that is very popular and each day at 11:00 am we put on a children’s program and at 5:00 pm we do a stage presentation about our industry. Our second building is the Pioneer Village. Started in 1961, this village is a
building that is filled with the 1800’s artistry from loom weaving to broom making. We make beeswax candles here and show all who stop how we do this.

Our October, 2019 through May 2020.

October 25/26 is our Fall Conference and Workshops. Our guest speaker is Randy Oliver and it will be held at French Lick Springs Hotel, French Lick, Indiana. Cost is $35 and includes a Wrap Buffet Lunch on Saturday.

February 29th 2020 is our Indiana Bee School XVIII. It will be held at Decatur Central High School, Indianapolis, Indiana. This is attended by over 1,000 beekeepers. We have a special school for brand new beekeepers that is limited to 200 people. Cost is $35 and includes lunch with a choice of Italian or Pulled Pork with sides.

KENTUCKY
Tammy Horn Potter

SUMMER EVENTS 2019

July 8, 9, and 10—Heartland Apiculture Society, Western Kentucky University, Bowling Green. For more details, see the website:  http://www.heartlandbees.org/


Aug. 15-25.  KSBA Honey Booth at the Kentucky State Fair

KY State Beekeepers Association will be meeting on November 3, at Bullitt County High School, in Shepherdsville, KY. Jim Tew is our featured keynote speaker.

MAINE
Peggy McLaughlin

The Maine State Beekeepers Association will hold their annual meeting on Saturday, October 12, 2019.

Guest speaker: Dr. Jamie Ellis
Location: TBD
mainebeekeepers.org

MARYLAND
Patti Wong

June 15 - at University of Maryland, College Park
Nov 16 - in Annapolis at the Dept of Agriculture

MASSACHUSETTS
Mary Duane

Saturday, June 1st 2019 (9:00 am –12:00 noon), To honor Lorenzo Langstroth’s life, each year Greenfield and other Franklin County towns celebrate Bee Week. This year is the tenth annual Greenfield Langstroth Bee Festival, being held at Second Congregational Church in Greenfield on June 1 from 9 a.m. to 12:00 noon.

The Massachusetts Beekeepers Association is holding its Annual Field Day at the UMASS Agricultural learning Center on Saturday June 15th, 2019. There will be lectures on numerous beekeeping topics from beginner to advanced levels. Several hives will be opened to explain many management topics.

The next Massachusetts Beekeepers Association State Meeting is November 16th. Steve Repasky and Larry O’Connor will be the presenters. The meeting will be held in Medway MA and hosted by jointly by MBA and the Norfork Beekeepers Association.

NEW HAMPSHIRE
Dorinda Priebe

NHBA Summer Picnic
Musterfield Farm Harvey Rd, North Sutton, NH 03260
June 15, 2019, 10 am - 3 pm
Hosted by the NHBA
Please bring your own chairs and a side or dessert to share

The NH Beekeepers Association’s annual summer outing featuring a variety of beekeeping and beekeeping related topics with BBQ lunch on us! Speakers TBD - please check the website nhbeekeepers.org or our Facebook page for more information as the date approaches!

NHBA Annual Fall Meeting
Camp Carpenter 300 Blondin Rd, Manchester, NH 03109

October 19, 2019, 9 am - 3 pm
Hosted by Capital Area Beekeepers’ Association
Please bring a breakfast dish to share

The fall meeting will feature the renowned Jamie Ellis, Gahan Endowed Associate Professor of Entomology in the Department of Entomology and Nematology at the University of Florida and our honey tasting contest, so please bring a sample of your best crop! Please check the website nhbeekeepers.org or our Facebook page for more information as the date approaches!
NEW JERSEY

Eloise Naylor

Saturday May 18 - Spring State Meeting at Doane Academy in Burlington, hosted by Mid-State, South Jersey and Jersey Cape Keynote speaker: Gary Reuter, University of Minnesota Bee Lab

Saturday June 29 - Summer Picnic/Auction at Bob Hughes’ in Groveville (Mercer County)

Saturday, November 9 - Hosted by Northeast Branch at Ramapo College. Keynote speaker: Dr. Christina Grozinger, Penn State University

NEW YORK

Ben Carpenter

ESHPA summer picnic is July 27th in Oxford NY, more details to follow on ESHPA.org

ESHPA fall meeting will be Nov 8 & 9, 2019 at the embassy suite’s 311 Hiawatha Blvd W, Syracuse, NY 13204, more details to follow on ESHPA.org

NORTH CAROLINA

Doug Vinson

NCSBA 2019 Summer Meeting to be held at the Hickory Metro Convention Center, Hickory NC. August 8-10, 2019

Please see NCSBA website for updates. www.ncbeekeeper.org.

PENNSYLVANIA

Vincent Aloyo

Announcing the 2019 PSBA Summer Picnic and Membership Meeting – Mark Your Calendar!

The North Western Pennsylvania Beekeepers Association has volunteered to sponsor the 2019 PSBA Summer Picnic and Membership Meeting and the date and location have been set. As always, the picnic is a FREE event. Come see old friends or make some new ones.

Date: Saturday, 13 July 2019
Sponsor Club: North Western Pennsylvania Beekeepers Association
Host Location: W. Fisher Bee Farm, 1 Queen Bee Lane, McVeytown, PA 17051

The Executive Committee will meet at 10:00 AM. Clubs are encouraged to send a representative.

Lunch will be served around 12:30 PM. The North Western PA BKA will provide the entrée and W. Fisher Bee Farm or PSBA will provide smoker grills, stove, tabling, and cooking supplies, drinks, cups, plates, cutlery, and napkins. Members are requested to bring a side dish or dessert to share.

W. Fisher Bee Farm allows you to bring your favorite alcoholic beverage, especially if it is a honey product. People are welcome to stay into the evening hours to hang out. Anyone wishing to camp out at the site should contact Aaron to coordinate a spot.

Planning is ongoing and additional details will be provided as they become available.

There will be a Queen Swap and Sale, so bring your best genetics to trade or prepare a queenless colony before the picnic and purchase a queen to improve or diversify your stock. Remember, queens reared after the summer solstice will be less likely to swarm next spring.

VIRGINIA

Karla Eisen

Virginia State Beekeepers Association (VSBA) Spring meeting is Friday and Saturday, May 31 - June 1, 2019, Fredericksburg Hospitality House Hotel, Fredericksburg VA.

https://www.virginiabeekeepers.org/

Sister Regional Meetings:

HEARTLAND APICULTURAL SOCIETY
July 8-10, 2019
Bowling Green, Kentucky
http://www.heartlandbees.org/has-2019-schedule/

WESTERN APICULTURAL SOCIETY 2019 CONFERENCE
July 12-14, 2019
Ashland Oregon
https://westernapiculturalsociety.org/the-2019-was-conference/

World Wide Meeting

APIMONDIA INTERNATIONAL APICULTURAL CONGRESS
September 8-12, 2019
Montreal, Quebec, Canada
https://www.apimondia2019.com
EAS BOARD OF DIRECTOR’S MEETING MINUTES
March 16, 2019
Via WebEx

Erin MacGregor-Forbes called the meeting to order at 7:07 pm.

STATES/PROVINCES IN GOOD STANDING
Alabama, Connecticut, Delaware, Florida, Georgia, Indiana, Kentucky, Louisiana, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia, West Virginia, District of Columbia

STATES/PROVINCES WITH EXPIRED DUES
Illinois (vacant), Michigan, Mississippi (vacant), Wisconsin (vacant), Canadian Maritime, (vacant), Ontario (vacant), Quebec (vacant)

ELECTION OF DIRECTORS
The following nominations were received and approved by the Board:

- Sam Golston – WV (2020)
- David Hocutt – IN (2022)
- Marilynn Parker – AL (2019)

PROXIES
None

ROLL CALL OF OFFICERS AND DIRECTORS
Attending via WebEx: Erin MacGregor Forbes, Chairman; Linda Allen Mizer, Vice Chairman; Carol Cottrill, Secretary; Buddy May, President, SC; Pam Fisher, President Emeritus; Jim Bobb, Chairman Emeritus; Marilynn Parker, AL; Bob Bauer, DE; David Hocutt, IN; Tammy Horn Potter, KY; Patty Wong, MD; Mary Duane, MA; Steve Repasky, Master Beekeepers; Lou Naylor, NJ; Ben Carpenter, NY; Vincent Aloyo, PA; Sam Golston, WV; Peter Scott, Washington DC.

Absent: Jack Hildreth, Treasurer; Peggy McLaughlin, Vice President, ME; John Baker, CT; Jennifer Holmes, FL; Linda Tillman, GA; Wesley Card, LA; Rich Weiske, MI; Dorinda Priebe, NH; Doug Vinson, NC; Jane Dennison, RI; Michael Coulter, TN; Karla Eisen, VA; Keith Inglis, Webmaster.

Guests: Steve Genta, 2019 Honey Show Chair; Landi Simone, Master Beekeeper Certification Chair

SECRETARY’S REPORT- Carol Cottrill
The minutes of the October 20, 2018 Board of Director Meeting were distributed via email. A motion was made to approve the minutes as distributed, voted and passed.

States with Directors terms expiring August 2019 that need nominations sent to the Secretary:
- New Jersey
- Rhode Island – Jane Dennison (eligible for re-election)
- District of Columbia – Peter Scott (eligible for re-election)

States currently vacant
- Illinois
- Mississippi
- Ohio
- Vermont
- Wisconsin
- Canadian Maritime Provinces
- Ontario
- Quebec

TREASURER’S REPORT – Erin MacGregor Forbes for Jacky Hildreth
EAS yearly costs exceed the dues collected so the annual conference needs to make up the difference and the income from the 2018 conference in Virginia did. The Financial statements show income loss for the Del. Comm. Foundation. This is an investment loss due to the decrease in the fund balance because of market fluctuations in the last quarter of 2018. EAS has money in liquid assets and about $330,000 in endowments with some money in short term CDs. Financial reports are attached.

CHAIRMAN’S REPORT – Erin MacGregor Forbes
Historically the past chair has decided what their role will be; Erin will focus on fund raising for the endowments.

PAST PRESIDENT’S REPORT (EAS 2018) - Pam Fisher
We continue to receive positive feedback on the 2018 EAS Conference in Virginia from attendees and speakers.
I am assisting with EAS 2019 conference planning as requested.
The Hampton Convention and Visitors Bureau contacted me asking if EAS would like to return to Hampton for 2022, the 400th anniversary of honey bees’ introduction to North America. Karla Eisen, the Virginia State Director, and I discussed it and we do not feel it is feasible for either of us to plan another conference at this time. We will refer the invitation to the Virginia State Beekeepers Association.
I am writing an article on EAS conference planning for the EAS journal per the editor’s request. The purpose of the article is to document the conference hosting process and encourage other member states to volunteer as conference hosts.

PRESIDENT’S REPORT (EAS 2019) – Buddy May
The EAS 2019 Conference Committee was formed and began meeting every other week since the latter part of August in preparation for the Conference. Following is a summary of the events taking place.
been meeting via WebEx once every two weeks and will begin once every week for 1 ½ hours each.

**Vendor/Sponsorship Registration** has been completed and placed on the EAS Web Site. We have received a number of Sponsors and Vendors to date. Our Vendor Chairman has met with Decorator and plans have been developed for layout of area with 15,000 square feet to house 40 Vendors.

**Short Course and Conference Registration** Work continues, with the Short Course and Conference Program complete with approximately 40 speakers being arranged, along with speaker’s subject topics and room assignments complete. Tours are nearing completion with Tours of Historic Greenville, Breweries, Museums of Art Galleries, Music, and History, as well a tour of a local Commercial Beekeepers Location. We have an EAS Food Committee arranging for the selection of food items for the breaks & meals to be served at the Greenville Convention Center as well as breakfast and evening meals to be served at the Hilton Hotel.

**EAS 2019 Budget** We have had a slight delay in preparing the EAS 2019 Budget with two Conference Treasurer’s resigning. Jack Hildreth has arranged for Ned Morgan to complete the Budget. All quotes and necessary financial and other data have been transmitted to Mr. Morgan who is finalizing the Budget.

**Honey Show** All aspects of the Honey Show are on track.

**ABF Princess** We have been in contact with the Representative of the American Bee Federation and they have arranged for Nicole Medina, the American Princess to join us. Ms. Medina will be traveling to SC with her parents from NJ. Ms. Medina will be active in the many of our activities to include the Children’s Program will be given a speaking engagement.

**Apiary** Arrangements are currently planned for 30 colonies of bees to be in close proximity of the GCC.

**Hotel Accommodations** We have the primary Hotel, The Hilton, as well as five (5) other Hotels in close proximity of each other partnered with EAS to house the conference attendants.

**Live and Silent Auctions** These auctions are being developed.

**Activities Currently Being Planned** Volunteers, Special Events-Tours, Children’s Program, Room Monitors, Painted Hives, Honey Exchange in Vendor Area.

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**VICE PRESIDENT'S REPORT (EAS 2020)** – Peggy McLaughlin

EAS 2020 will be held August 3-7, 2020 at the University of Maine, Orono

The Maine 2020 planning team has been meeting regularly since last fall. A major portion of the program, both Short Course and Main Conference, has been developed and speakers contacted. Plenary session speakers have been confirmed including Dr. Ernesto Guzman and Dr. Samuel Ramsey. A number of hands-on workshops will be offered during the general session. The University of Maine Conferences & Institutes staff continues to work with us on a regular basis and the various spaces and venues for nearly all aspects of the conference have been selected. The C & I staff will join our meetings this fall. Work by our committee chairs is underway for publicity, vendors, registration, honey show, evening programs, and field trips. A Children's Program will be offered by Sarah Red Laird (Bee Girl), and the team is working with the University to offer educator CEUs.

**SITES:**

- **2021** – no state association has offered a proposal as of the meeting.
COMMITTEE AND OTHER REPORTS

Awards – Peggy McLaughlin, chair
The following were chosen as this year’s award recipients:
- Hambleton - Reed Johnson – Ohio State University
- Morse - Jennifer Berry – University of Georgia
- Student - Lauren Rusert – North Carolina State University

Divelbiss – Carol Cottrill
The deadline for nominations is April 30th. This award is presented to that person or couple who has reached out to the non-beekeeping public to explain the value of honey bees in our lives. Although the main criteria are edification of the public, the nomination may also include activities such as other instructional work toward educating beekeepers and prospective beekeepers.

Finance Committee – Sam Golston is interested in serving on this committee

Membership – Lou Naylor
Wild Apricot reports membership bundles with individuals under the bundles – there are currently 1,564 bundles that contain 2,498 members. There are 1,488 active members at this time. There have are 1,062 renewals that are overdue and 29 new members have joined in the past 29 days.
Registration for the conference: Bob Bauer has volunteered to do mail in registration and Lou Naylor will do the phone calls.

Historian – Albert Chubak from New Mexico has expressed interest, but it might be better to have someone who lives east of the Mississippi store the historical materials and records.

Honey Bee Health Coalition – Tammy Horn Potter
The EAS website has information from the HBHC posted. In January two tools were released: Varroa Management and Best Management Practices for Beekeepers. The documents can be downloaded and are free for anyone to access and use.
The Spring meeting will be in Kentucky and no travel and lodging funds will be needed for Tammy to attend. She requested that the allocated funds for that meeting be used to go to the steering committee meeting that will be held at Apimondia in Montreal. A motion was made to reallocate the funds to the fall meeting at Apimondia, seconded, voted and passed.

Honey Show 2019 – Steve Genta
The South Carolina Honey Show Committee proposed three changes:

General Show Rules
1. Entries shall be registered at the EAS Honey Show in the Greenville Convention Center on Tuesday from 3:00-6:00 PM and on Wednesday from 8:00-11:00 AM.

Honey Show Class Descriptions
Black Jar
H10 Minimum 6 ounces of extracted honey. EAS Honey Show will provide the jar.
Black Jar of Honey
Class H10
To be judged solely on the merits of its taste. Entries will not be returned.
George Wilson, 2018 Honey Show Chair proposed four additional changes:

**Class H specifications - add**
Entries in class H9 must be a frame suitable for comb honey OR a frame suitable for extraction (with wired foundation and/or cross wired). No plastic foundation is permitted.

**Beeswax Show Class Description - add and modify**
B4 Candles, novelty, single or coordinated set, containing pure beeswax (with no color or embellishment permitted)

**Arts and Crafts Class Descriptions - add and modify**
A3 Novelty beeswax with additives, embellishment and color permitted

**Photography Class Descriptions**
Prints must be 5” x 7” inches or larger, mounted on a mounting board or beneath a photo mat that extends at least one inch beyond the print on each side. No glass frames are permitted. Essay prints may be mounted on one mounting board.

Steve indicated that SC would like to implement only the three changes they submitted and defer implementation of the rest to EAS 2020 in Maine.

A motion was made to accept all the changes submitted with implementation of the changes as requested, the motion was seconded, voted and passed.

There was a question on a class for Ross Rounds that Steve will research.

**Honey Bee Research** – Jen Lund, chair
- Pierre Lau, Alexandria Payne, Dr. Juliana Rangel - Texas A&M: Optimizing macronutrient ratios in honey bee (Apis mellifera) diets as a mechanism for pathogen defense (amount requested $6,000)
- Emma Mullen, Dr. Christina Wahl, Dr. Bryan Danforth - Cornell University: Honey bee viruses found in comb from dead overwintered colonies (amount requested $5,319)

The total amount requested is $11,919 and the amount budgeted is $10,000. A motion was made to approve $1,919 additional to fully fund the requested projects. Motion seconded, voted and approved.

**Journal** – Linda Mizer
The Spring Journal should be ready to go out in early April. Articles are being submitted by Karla Eisen and Pam Fisher. State Directors have been contacted for information from their region and several have responded. Information on the Honey Show, the Short Course and Conference schedules will be included in this issue. The Registration form should be ready for this issue as well. Although we discussed having four Journals a year, making three deadlines so far is more realistic.

**Life Membership** - Mary Duane
The speaker for the Life membership lunch will be Betty Mencucci who will show her presentation on 30 years of EAS Conference attendance.

**Mann Lake EAS Scholarship** – Landi Simone reporting for Brenda Kiessling
The application due date April 30th and one person has applied.
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Visit our website to receive more information on locating available land and how to get started today.
Master Beekeepers – Steve Repasky
Linda Mizer requested something from the Master Beekeepers for both the spring Journal (deadline April 1) and the Conference Program.

Master Beekeeper Certification - Landi Simone
The deadline for application is June 1st and eleven retest and 2 new candidates have applied.

Policy & Procedures – Carol Cottrill
The Honey Bee Research Committee suggested changes to the current policy as follows:
Grant funds may be used for supplies, equipment, salaries, travel necessary for data collection or other research tasks, or other appropriate uses by the recipient. As a nonprofit organization, the EAS Foundation does not pay overhead on funded research grants.
The total amount to be awarded in YEAR is $AMOUNT. The awards will be announced at the EAS YEAR Conference but available by April 1, YEAR. The principle investigator may be invited to present their findings at the YEAR EAS Annual Conference; travel and lodging costs associated with presenting will be covered by EAS; and we will publicize the award to aid in solicitation of additional funds for subsequent years. An article for the EAS Journal summarizing the research and results must be submitted by September 1 YEAR.

The changes were proposed to clarify that grant money can be used for travel needed as part of the research and that the total amount awarded may be split between multiple proposals (the current wording specifies that one award will be given). EAS may invite the principle investigator to the conference as a speaker (the current wording specified that that principle investigator must present at the next conference) gives flexibility in scheduling speakers who live long distances from the conference location. Adding the requirement for an article assures that EAS members will have access to the results of funded projects.
There was a suggestion to only fund one project for the maximum amount and to require a presentation at the conference with video conferencing used to eliminate the need for expensive travel. The video could possibly be used on the website or shown at club meetings. A motion to accept the changes presented was made and seconded, the motion was voted and approved, but it is suggested that we keep working to improve the HBR Procedure.

EAS needs a policy for access to Wild Apricot and Sign Up Genius to assure member privacy. Wild Apricot has a lot of member information, but Sign Up Genius has only email addresses. Each year some members of the Conference Committee will need access to Wild Apricot as part of their assignments. A committee will be formed to work on this issue. Pam Fisher and Peter Scott have volunteered to serve on the committee.

Webmaster
Keith Inglin has been working on the conference speaker portion of the website to make it more user friendly. Conference attendees will be able to use an app to do searches by topic or speaker name and create their own schedule for the talks.
NEW BUSINESS

Strategic Plan – Lou Naylor

As EAS Chair, I fully agree with and will promote the Mission Statement of EAS:
Education and Conferences, Master Beekeeper Certification, Honey Bee Research Grants

In order to advance our mission, I propose the following plan.

Promotions Fund Create a marketing and promotion fund. Establish an advertising budget for EAS to have year-round presence in national journals, bee and equipment suppliers, and other bee associations, using reciprocal arrangements whenever possible. EAS promotes the state meeting in the EAS Journal and we would like the states to promote EAS.

Director’s Promotional Responsibilities EAS will develop and provide material for directors to hand out in their state. Our Vice Chair will direct this effort.

Brochures EAS will evaluate the possibility of including EAS information in with shipments from bee and equipment suppliers. In addition to brochures, EAS will provide posters to retail bee equipment stores promoting the EAS Conference these will include a QR Code that will take you directly to our website.

Lapsed Memberships The EAS Membership Chair will provide a report quarterly for each director containing the lapsed members in their state/province with the expectation that the director will contact those members and encourage them to rejoin EAS and update any outdated contact information. EAS will develop a short survey asking why they let their membership lapse.

Standing Committees In order to provide continuity and not reinvent and rediscover best practices for each conference, we need to establish/re-establish standing subcommittees for aspects of conferences that require a steep learning curve and may cause financial loss to the Society. I would suggest standing subcommittees for meals, breaks, venue negotiation, paid advertising, and vendors. Of course, local representative(s) will be invited and will be appointed to the subcommittees as appropriate. This is actually a recommendation from my Vice Chair, Linda Mizer, whose idea I wholeheartedly concur.

Working Together We should all be on the lookout to recruit donors to promote our mission, also we need to fill the Vacant Director seats. I ask everyone to check their social media bee groups. If you see someone posting things you agree with, check them out. They may be the right person to fill an empty seat. Be aware of those who might be donors – those who benefit from honeybees.

Unity and Goals EAS to me should be an enjoyable experience, as well as an educational one. Like any hive, we are stronger because of our diversity of ideas. We bring together our unique talents and perspectives of beekeeping. EAS gives us an opportunity to share our ideas and experiences and to learn from each other, to become friends, and to support each other. I want to promote the concept that we are all EAS -we all belong. We should all feel empowered to reach out to welcome our new members, and to promote EAS to our local clubs, organizations, and communities. I look forward to working hard with all of you to achieve these goals.

Questions submitted – not addressed above:
How do you plan keep up to date – given all that is happening in beekeeping and translate those trends back to the organization? As it is important to have a “finger on the pulse” of key trends,
not only in beekeeping practices and apiary management, but major changes in vendor and business structures that effect the EAS membership (primarily small sideliner and hobby industry) – how do you plan to keep apprised of trends and changes and be able to translate back to EAS to inform the organization?

*I attended ABF for five of the last six years and plan on attending Apimondia this year. I am very active in my state meetings and two of the surrounding states. I read posts from Catch the Buzz daily and am on many social media websites for beekeeping. I am interested in natural beekeeping, backyard beekeeping techniques and commercial methods and as a sideliner I am open to new beekeeping practices and ideas from all groups.*

Do you have a vision for using any of the data EAS currently collects from the membership or have a plan to survey the membership to help inform the organization and conference planning (i.e., type of beekeeper – hobby, sideliner, commercial, geographic location, conference attendance, etc.)

*I think the surveys are already being collected at the conferences and I believe they influence the future choice of speakers. I feel that Wild Apricot is collecting information that we need about geographic information and this information should be used to evaluate states making bids for future conferences. I think we need to look at states that have larger memberships or encourage states if they are thinking of having a conference in a few years to increase their membership ahead of time. It is very difficult for a state with a small membership to recruit enough volunteers to be successful. And I hope with the membership surveys we are better able to access how to retain our membership. Whatever information we collect, I want to make sure our members are comfortable giving it to us. People are concerned about their privacy and we want to make sure the data is secure.*

Election of Chairman: a motion was made and seconded to elect Lou Naylor as EAS Chair. The motion passed unanimously.

**ADJOURNMENT**
The meeting was adjourned at 9:08 p.m.

Submitted by Carol Cottrill
EAS Secretary
Discover the difference of Flow®

We all know the Flow Frames make honey harvesting easier; what we didn’t expect was the number of Flow beekeepers saying that their customers, friends and family prefer the flavour of single origin, pure honey. Flow takes the hard work out of honey harvesting, just turn the key and harvest up to three kilograms of honey per frame. No extractor or filtering necessary. Used by tens of thousands of beekeepers in over 130 countries, from tropical to cold climates. Come and meet the team to view our patented Flow Frames, Supers and Hives.

10% discount on Flow Hive Classic, Flow Super, Flow Frames or Flow Protection Wear Range. CODE EASFLOW10%

Expires 5pm August 20, 2018

Go in the draw to win a Flow Hive by entering your email address at our stall.

Flow Hive Classic Araucaria 7 Frame
Complete hive containing 7 Flow Frames featuring our revolutionary honey harvesting technology.
### Eastern Apicultural Society of N.A.,
### Profit & Loss Previous Years Comparison

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<thead>
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<th>Jan - Dec 18</th>
<th>Jan - Dec 17</th>
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### Other Income

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<th>Category</th>
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<th>2018</th>
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<td>Raffle Tickets</td>
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<td>Short Courses</td>
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### Other Expense

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<th>2018</th>
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### Net Other Income

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### Net Income

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### Eastern Apicultural Society of N. A.

#### Balance Sheet Previous Year Comparison

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#### LIABILITIES & EQUITY

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<td>2,060.25</td>
</tr>
<tr>
<td>Fund</td>
<td>Beginning</td>
<td>Ending</td>
<td>Ending</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>-----------</td>
<td>--------</td>
<td>--------</td>
</tr>
<tr>
<td>Ed Holcombe Distinguished Fund</td>
<td>14,000.00</td>
<td>14,000.00</td>
<td>14,000.00</td>
</tr>
<tr>
<td>Ed &amp; Anita Weiss Memorial Fund</td>
<td>1,000.00</td>
<td>1,000.00</td>
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<tr>
<td>Honeybee Research Fund</td>
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<td>2,708.00</td>
<td>15,051.00</td>
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<tr>
<td>MB Youth Scholarship Fund</td>
<td>3,952.00</td>
<td>3,117.00</td>
<td>2,117.00</td>
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<tr>
<td>Roger Morse Award Fund</td>
<td>0.00</td>
<td>-54.00</td>
<td>997.00</td>
</tr>
<tr>
<td><strong>Temporary Restricted</strong></td>
<td><strong>18,952.00</strong></td>
<td><strong>20,771.00</strong></td>
<td><strong>32,165.00</strong></td>
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<td><strong>Unrestricted Net Assets</strong></td>
<td>383,168.83</td>
<td>370,107.63</td>
<td>351,428.11</td>
</tr>
<tr>
<td><strong>Translation Adjustment</strong></td>
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<tr>
<td>Net Income</td>
<td>-19,210.31</td>
<td>11,242.20</td>
<td>7,285.52</td>
</tr>
<tr>
<td><strong>Total Equity</strong></td>
<td>382,910.52</td>
<td>402,120.83</td>
<td>390,878.63</td>
</tr>
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**TOTAL LIABILITIES & EQUITY**

<table>
<thead>
<tr>
<th></th>
<th>Beginning</th>
<th>Ending</th>
<th>Ending</th>
</tr>
</thead>
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<tr>
<td></td>
<td>386,079.52</td>
<td>406,571.07</td>
<td>392,938.88</td>
</tr>
</tbody>
</table>
EASTERN APICULTURAL SOCIETY
Greenville Convention Center & Hilton, Greenville, South Carolina

EAS Short Course and Conference Registration Form
Monday, July 15 to Friday, July 19,

2019 Important Information before you begin...

- For application and vendor questions please call Lou (Eloise) Naylor at 856-234-1799
- You can save time with on-line registration at www.easternapiculture.org
- If you are registering by US Mail, WE MUST RECEIVE YOUR FORM BY July 1, 2019. Do not mail this registration form after July 1; instead bring the completed form to the EAS conference venue or register online.
- Each conference attendee must register separately and be a current EAS member in good standing.
- Conference attendees may register guests for evening functions and special activities.
- After Monday, July 1st, you can still register on-line or directly at the conference, however a $25 administration fee will be charged, and some meals and special events may not be available.
- Please register early! Pre-registration will avoid delays at check-in and online registration is preferred.

<table>
<thead>
<tr>
<th>Name</th>
<th>First Name</th>
<th>Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>State/Prov.</td>
<td>Zip/Postal</td>
</tr>
<tr>
<td>Your Contact</td>
<td>Your Phone Number</td>
<td>Your Email</td>
</tr>
<tr>
<td>Emergency Contact</td>
<td>Emergency Contact Name</td>
<td>Emergency Contact Phone Number</td>
</tr>
</tbody>
</table>

EAS Dues must be current to attend, membership includes up to 3 additional family members

<table>
<thead>
<tr>
<th>Membership (choose one)</th>
<th>$25 Annual Dues</th>
<th>$45 Two-Year</th>
<th>$0 (if current member)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$50 Corporate Dues</td>
<td>$65 Three-Year</td>
<td>$250 Life Membership</td>
</tr>
</tbody>
</table>

Name Tag Information (optional)

<table>
<thead>
<tr>
<th>Name for Name Tag</th>
<th>First Name</th>
<th>Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apiary or Business</td>
<td>Apiary or Business Name</td>
<td></td>
</tr>
</tbody>
</table>

Registration (your dues must be current to attend) – choose one of the following

- FULL WEEK: SHORT COURSE AND CONFERENCE – all five days, one price! $260
- SHORT COURSE ONLY – Three-Day Course (Mon July 15 – Wed July 17) $180
- CONFERENCE ONLY – Three-Day Conference (Wed July 17 – Fri July 19) $180
- DAY PASS ($70 per day, select days): Mon Tue Wed Thu Fri _____ x $70
- ADMINISTRATION FEE (if registering after July 1) $25

Page 1 Subtotal (sum up the values from the lines above) $
**Lunch Selections** (meals are not included with short course or conference registration)

Boxed lunches include Chef’s Choice of Side Salad, Potato Chips, Cookie and Soft Drink

<table>
<thead>
<tr>
<th>Day</th>
<th>Boxed Lunch (select one)</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chipotle Grilled Chicken Wrap</td>
<td>Sliced Grilled Chicken Breast, Tomato and Corn Salsa, Shredded Cheddar Cheese, Crisp Romaine, and Roasted Red Pepper Mayonnaise</td>
<td>$19</td>
</tr>
<tr>
<td></td>
<td>Chipotle Beef Wrap</td>
<td>Sliced Roast Beef, Tomato and Corn Salsa, Shredded Cheddar Cheese, Crisp Romaine, and Roasted Red Pepper Mayonnaise</td>
<td>$19</td>
</tr>
<tr>
<td></td>
<td>Vegetarian Wrap (Vegetarian)</td>
<td>Black Bean and Quinoa, Shredded Cheddar Cheese, Crisp Romaine, Sliced Tomato, and Roasted Red Pepper Mayonnaise</td>
<td>$19</td>
</tr>
<tr>
<td><strong>Tuesday</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Chicken Salad Wrap</td>
<td>House Smoked Chicken Salad made into a Savory Chicken Salad Wrap with Sliced Tomatoes and Crisp Romaine</td>
<td>$19</td>
</tr>
<tr>
<td></td>
<td>Roast Beef Wrap</td>
<td>Sliced Roast Beef and Cheddar Cheese, Lettuce, Tomato, and Horseradish Sauce</td>
<td>$19</td>
</tr>
<tr>
<td></td>
<td>Vegetarian Wrap</td>
<td>Tofu Egg Salad with Sliced Tomatoes and Crisp Romaine on a Whole Wheat Wrap</td>
<td>$19</td>
</tr>
<tr>
<td><strong>Wednesday</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Smoked Turkey Sub</td>
<td>Smoked Turkey with Sliced Tomato, Provolone Cheese, Crisp Romaine and Tomato</td>
<td>$19</td>
</tr>
<tr>
<td></td>
<td>Italian Antipasto Sub</td>
<td>Sliced Ham and Salami tossed with Pepperoncini’s, Black Olives, Sliced Tomato, Provolone Cheese and Crisp Romaine</td>
<td>$19</td>
</tr>
<tr>
<td></td>
<td>Vegetarian Antipasto Sub</td>
<td>Chopped Pepperoncini, Black Olives, Artichoke Hearts tossed in Italian Vinaigrette, Sliced Provolone, Sliced Tomatoes and Crisp Romaine on a Sub Roll</td>
<td>$19</td>
</tr>
<tr>
<td><strong>Thursday</strong></td>
<td></td>
<td>Please also select a boxed lunch if you are attending the Life Member Luncheon</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mediterranean Wrap</td>
<td>SELECT A BOXED LUNCH IF ATTENDING THE LIFE MEMBER LUNCHEON***</td>
<td>$19</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Choice of: Roasted Chicken, Feta Cheese, Hummus, Sliced Tomatoes and Crisp Lettuce</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Turkey and Bacon Wrap</td>
<td>Smoked Turkey and Bacon with Pimento Cheese, Crisp Lettuce, Sliced Tomato and Rosemary Aioli</td>
<td>$19</td>
</tr>
<tr>
<td></td>
<td>Vegetarian Wrap</td>
<td>Mediterranean Chickpea Filling with Cucumber, Carrot and Celery, Lettuce and Sliced Tomato</td>
<td>$19</td>
</tr>
<tr>
<td><strong>Thursday</strong></td>
<td>Life Members Only</td>
<td>Special luncheon for Life Members only. Please also select the boxed lunch you would like during the luncheon.</td>
<td>$0</td>
</tr>
<tr>
<td></td>
<td>Life Member Luncheon</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Friday</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pesto Chicken Salad Sandwich</td>
<td>Grilled Chicken, Celery, Mayonnaise, Diced Red Onion and Parmesan Cheese, Sliced Tomato, and Crisp Lettuce on Whole Grain Bread</td>
<td>$19</td>
</tr>
<tr>
<td></td>
<td>Ham &amp; Cheese Sandwich</td>
<td>Sliced Ham and Swiss cheese, Sliced Tomato and Lettuce on Whole Grain Bread</td>
<td>$19</td>
</tr>
<tr>
<td></td>
<td>Vegetarian Wrap</td>
<td>Tofu Egg Salad with Sliced Tomatoes and Crisp Romaine on a Whole Wheat Wrap</td>
<td>$19</td>
</tr>
</tbody>
</table>

Page 2 Subtotal (sum up the values from the lines above)
**Dinners** (meals are not included with short course or conference registration)

Enjoy a dinner with your fellow beekeepers. Cash Bar with Bartender available before and during dinner.

<table>
<thead>
<tr>
<th>July 17: Wednesday Southern Buffet</th>
<th><strong>Enjoy a classic Southern Buffet, including:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash Bar: 5:00 pm</td>
<td>• Pulled Chicken Barbecue, buns on side, choice of Sauce (South Carolina Mustard or Apple-infused BBQ Sauce)</td>
</tr>
<tr>
<td>Dinner: 6:30 pm</td>
<td>• Cole Slaw</td>
</tr>
<tr>
<td></td>
<td>• Potato Salad</td>
</tr>
<tr>
<td></td>
<td>• Macaroni &amp; Cheese</td>
</tr>
<tr>
<td></td>
<td>• Green Beans</td>
</tr>
<tr>
<td></td>
<td>• Assorted Cookies</td>
</tr>
<tr>
<td></td>
<td>• Sweet tea, unsweetened tea, and water</td>
</tr>
<tr>
<td>Includes live entertainment</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>July 18: Thursday Buffet Dinner</th>
<th><strong>Buffet includes the following:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Silent Auction</td>
<td>• Classic Garden Salad with Italian or Ranch Dressings</td>
</tr>
<tr>
<td>Cash Bar: 5:00 pm</td>
<td>• Rolls with Butter</td>
</tr>
<tr>
<td>Dinner: 6:30 pm</td>
<td>• Chicken Marsala: seasoned and pan roasted chicken with a Marsala scented pearl onion &amp; forest mushroom ragout</td>
</tr>
<tr>
<td>Live Auction to follow</td>
<td>• Pasta Primavera: seasonal fresh vegetables with Chef’s pasta selection and finished with Chablis Butter Emulsion</td>
</tr>
<tr>
<td></td>
<td>• Chef’s Selection of Starch and Seasonal Vegetable</td>
</tr>
<tr>
<td></td>
<td>• Coffee, Tea &amp; Water</td>
</tr>
<tr>
<td></td>
<td>• Blondies &amp; Brownies</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>July 19: Friday Plated Dinner</th>
<th><strong>Plated dinners include:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash Bar: 5:00 pm</td>
<td>• Classic Garden Salad with Italian or Ranch Dressings, Chef’s Selection of Starch and Seasonal Vegetable, Roll with Butter, New York Cheesecake or Triple Chocolate Mousse Cake, Coffee, Tea and Water</td>
</tr>
<tr>
<td>Dinner: 6:30 pm</td>
<td>• Herb Marinated Chicken Breast Fire roasted with a Chablis plumped sundried tomato velouté.</td>
</tr>
<tr>
<td></td>
<td>• Vegetable Crepes Roasted garden vegetables and ricotta stuffed crepes with house-made Pomodoro sauce</td>
</tr>
<tr>
<td></td>
<td>• Fire Roasted Flank Steak House recipe marinated with a forest mushroom demi-glace</td>
</tr>
</tbody>
</table>

**Guest Information** (if you are bringing a guest to a dinner or event, please enter them here)

<table>
<thead>
<tr>
<th>Guest #1</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Guest #1 First Name</td>
<td>Guest #1 Last Name</td>
</tr>
<tr>
<td></td>
<td>Guest #1 Phone Number</td>
<td>Guest #1 Email</td>
</tr>
<tr>
<td>Guest #2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guest #2 First Name</td>
<td>Guest #2 Last Name</td>
</tr>
<tr>
<td></td>
<td>Guest #2 Phone Number</td>
<td>Guest #2 Email</td>
</tr>
<tr>
<td>Guest #3</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Guest #3 First Name</td>
<td>Guest #3 Last Name</td>
</tr>
<tr>
<td></td>
<td>Guest #3 Phone Number</td>
<td>Guest #3 Email</td>
</tr>
<tr>
<td>Emergency Contact</td>
<td>All Guests Emergency Contact Name</td>
<td>All Guests Emergency Contact Phone Number</td>
</tr>
</tbody>
</table>

Page 3 Subtotal (sum up the values from the lines above) $
Special Events
Children under 18 must be accompanied by an adult at all times, including events. Reserve these early, as tickets are sold on a first come basis and some events are limited. Take advantage of these great opportunities to socialize with fellow beekeepers and short course and conference speakers. Guests are welcome (please add guest contact info).

**Monday, July 15: Greenville Historic Walking Tour** (registration required)

Meet at 6:10 pm at the corner of Main St and Falls Park Drive in downtown Greenville. This one-hour tour begins at the very birthplace of Greenville-Falls Park. Less than a handful of American cities can boast such allure that this gorgeous 40’ waterfall casts on visitors today. Tour attendees will receive a chronological history of our city beginning with a view at the falls from the newest icon of the city’s cityscape, the award-winning pedestrian Liberty Bridge. You will discover the context surrounding the revitalization of Greenville’s downtown over the last 40 years.

Tour guide, John Nolan, is noteworthy guide for Greenville’s first tour company and author of A Guide to Historic Greenville.

Attendees are responsible for transportation to and from downtown Greenville. Parking facilities (may be a fee): (1) River St Garage, 414 River St; (2) Riverplace Garage, 300 River St; (3) Parking Lot, 201 River St

Food and drinks are available after the tour from nearby mid-priced restaurants. See EAS Spring Journal or Program for details.

<table>
<thead>
<tr>
<th>Number of people ____ x $12</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>(limited to 40 people)</td>
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</tr>
</tbody>
</table>

**Tuesday, July 16: Iron Hill Brewery Tour and Restaurant Evening** (registration required)


741 Haywood Rd
Greenville SC 29607
Any time 6 pm to 9 pm

Iron Hill is a regional brewpub chain with national acclaim dispensing scratch beers. Personal tour of facility is by the brewmaster and includes 2-ounce tasters. Food will be from the mid-priced Iron Hill Restaurant’s craft kitchen featuring an eclectic menu with a variety of choices.

Attendees are responsible for transportation and cost for drinks and meals; walking not advised due to traffic.

<table>
<thead>
<tr>
<th>Number of people ____ x $0</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>(limited to 200 people)</td>
<td></td>
</tr>
</tbody>
</table>

Page 4 Subtotal (sum up the values from the lines above) $
More Special Events
Children under 18 must be accompanied by an adult at all times, including events. Reserve these early, as tickets are sold on a first come basis and some events are limited. Take advantage of these great opportunities to socialize with fellow beekeepers and short course and conference speakers. Guests are welcome (please add guest contact info).

Thursday, July 18: Bee Well Honey Farm (registration required)

Bee Well Honey Farm
Pickens, SC
12:15 pm to 5:00 pm

Bee Well Honey Farm is in Pickens, SC and is roughly 25 miles from the Greenville Convention Center. This year (2019) celebrates 20 years of family owned and operated beekeeping and honey business under the direction of Kerry and Donna Owen. Bee Well sells raw, unfiltered honey to many private and commercial individuals, packaged bees, nucs, queens and supplies.

We will tour their main headquarters, operation and retail store.

Transportation provided to and from the Greenville Convention Center Lobby.

Buses board at 12:15 pm from the Conference Center and will return by 5 pm.

Price includes a Build Your Own Sandwich Lunch Buffet served at the Farm from an assortment of Lunch Meats, Cheeses, Veggies and Breads, plus Chips, Cookies, Apples and Soft Drinks.

Number of people _____ x $25 (limited to 200 people)

Charitable Donations (EAS is a 501(c)(3) nonprofit organization. Donations are tax deductible.)

Auction Donation: please consider donating an item to EAS that we can use in our Thursday auction event. Any item, large or small, is appreciated. Just bring your item to the registration desk when you check in. Receipts are available.

EAS Donation: donors are listed in the EAS Conference Program, if donation is received by May 15, 2019. (donations after May 15 will appear in the Daily Waggle and the Fall Journal)

<table>
<thead>
<tr>
<th>EAS Donation</th>
<th>Drone Level Donor</th>
<th>$25</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Worker Level Donor</td>
<td>$50</td>
</tr>
<tr>
<td></td>
<td>Queen Level Donor</td>
<td>$100</td>
</tr>
<tr>
<td>Colony Level Donor</td>
<td>(specify amount, minimum $200)</td>
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</tr>
</tbody>
</table>

Other Donations: support EAS research and speaker activities. Select your amount (minimum $10, please)

<table>
<thead>
<tr>
<th>Research Donation</th>
<th>Donate to the EAS Foundation for Honey Bee Research Fund</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speaker Donation</td>
<td>Donate to the EAS Speaker and Education Fund</td>
</tr>
</tbody>
</table>
Payment

Payment is available by check or credit card. Credit card information can be provided on this form or using online registration at www.easternapiculture.org.

Note: South Carolina Beekeepers Association members, please check your web site for more information on EAS

Payment Totals

<table>
<thead>
<tr>
<th>Page Subtotal</th>
<th>$</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 1 Subtotal</td>
<td>(copied over from page 1)</td>
</tr>
<tr>
<td>Page 2 Subtotal</td>
<td>(copied over from page 2)</td>
</tr>
<tr>
<td>Page 3 Subtotal</td>
<td>(copied over from page 3)</td>
</tr>
<tr>
<td>Page 4 Subtotal</td>
<td>(copied over from page 4)</td>
</tr>
<tr>
<td>Page 5 Subtotal</td>
<td>(copied over from page 5)</td>
</tr>
<tr>
<td>Grand Total</td>
<td>(sum of page 1-5 subtotals)</td>
</tr>
</tbody>
</table>

(please pay this amount)

Registration questions? Email us at register@easternapiculture.org or call Lou Naylor at (856) 234-1799 (8am-8pm). To discuss any restrictions or special accommodations required, please call Lou Naylor at (856) 234-1799 (8am-8pm).

Pay by Credit Card (to pay by credit card, please complete the following information)

<table>
<thead>
<tr>
<th>Credit Card Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Name as it appears on Credit Card</td>
</tr>
<tr>
<td>Credit Card Number</td>
</tr>
<tr>
<td>Expiration Date</td>
</tr>
<tr>
<td>Signature</td>
</tr>
</tbody>
</table>

* The Security Code is the 3-digits that appear on the back of your credit card

Pay by Check (to pay by check, please follow these instructions)

<table>
<thead>
<tr>
<th>Check Payment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mail this registration form along with a check made payable to EAS to the following address</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Payment Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS Registration, c/o Bob Bauer</td>
</tr>
<tr>
<td>210 Effendi Drive</td>
</tr>
<tr>
<td>Middletown, DE 19709</td>
</tr>
</tbody>
</table>
Cancellations and Refunds

All cancellations of short course and conference registration; purchase of meals; and social events must be made in writing to the registrar at registrar@easternapiculture.org. Each short course and conference registration cancellation received by 5 PM ET on Friday, July 5, 2019, will receive a refund of 100% of the registration cost, including meals and social events, less a $25 administrative fee.

Cancellations received after 5 PM ET on Friday, July 5, 2019 will be refunded at the discretion of EAS, less a $25 administrative fee. Any meals and social event guarantees made on your behalf will not be refunded.

Any refunds will be processed within two weeks of the conclusion of the conference.

No refunds will be issued once the short course and conference begins.

No-Shows

Refunds will not be granted for no-shows (registrants who do not attend the short course and conference with no prior notice of cancellation).

Contact Information

If you need to cancel your registration, please contact the registrar in writing at registrar@easternapiculture.org.
EAS Executive Committee, Directors, and Contacts

**EAS EXECUTIVE COMMITTEE**

**Chairman of the Board**
Erin MacGregor Forbes (2019)
188 Capisic Street
Portland, ME 04102
207-772-3380
chairman@easternapiculture.org

**Vice Chairman of the Board**
Dr. Linda A. Mizer (2019)
1279 Spring St. Ext.
Groton, NY 13073
607-227-4449
vicechairman@easternapiculture.org

**President**
Buddy May (2018)
100 Birnam Court
Greenville, SC 29615
864-430-0318
president@easternapiculture.org

**Vice President**
Peggy McLaughlin (2019)
62 Littlefield Road
Springvale, ME 04083
207-370-2215
vicepresident@easternapiculture.org

**President Emeritus**
Pam Fisher
PO Box 5206
Chesapeake VA 23324
757-620-0945
presidentemeritus@easternapiculture.org

**Chairman Emeritus**
Jim Bobb
2011 Shearer Road
Lansdale, PA 19446
610-584-6778
chairmanemeritus@easternapiculture.org

**Secretary**
Carol Cottrill (2019)
60 Rolling Hill Drive
Naples ME 04055
207-693-9226
207-441-1492 (cell)
secretary@easternapiculture.org

**Treasurer**
Jacky B. Hildreth (2019)
3 Summit Terrace
North Yarmouth, ME 04097
treasurer@easternapiculture.org

**EAS DIRECTORS**

**Year indicates expiration of term as director**

**Alabama**
Marilyn Parker (2019)
7148 Shell Road
Winston, GA 30187
770-949-6640
director.al@easternapiculture.org

**Connecticut**
John C. Baker (2022)
52 Headquarters Road
Litchfield, CT 06759
860-567-8427
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