My young friend, for best success get pure stock. Keep tab on every pound of honey taken from each colony. Then breed from the best stores that are all right in color and temper.

Yours,

C. C. Miller

1/31/16.
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The EAS Journal, Summer 2015

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Greetings from Ontario!

We are fast approaching this year’s conference, and I am looking forward to seeing many of you here. It has been 21 years since EAS was held in Ontario, so I hope you are booked to come, as we will be much older and greyer when it comes around to visiting Canada again.

The program is jam packed with almost 100 sessions for you to attend. Apart from a knockout bunch of “A” list speakers, we have some fun and entertainment planned, too! Every morning, you can get the day started right with Morning Yoga with a certified instructor. Monday afternoon, University of Guelph Research and Apiary Manager Paul Kelly will be hosting the beekeeper Bee Olympics. Tuesday evening is the Propolis, Etc… Pig Roast with all the fixings sponsored by Propolis, Etc…, a local beekeeping outfitter also offering a tour of their Guelph facilities. Do not miss the Wednesday evening, Emerging Issues in Pollinator Health and Agriculture Panel Discussion. This will include the status and importance of pollinators in Ontario and worldwide; the results and strategies of monitoring programs in Europe (Italy) and some of the recent agricultural trends including neonicotinoid seed treatments. This panel is of particular interest given the recent regulatory action in Ontario on treated seeds and the opportunity to balance IPM in agriculture and the multiple stressors in pollinators that must be addressed. And of course, Thursday evening will be the BBQ Banquet, Auction, and Live Band hosted by local apiary Dutchman’s Gold. It has also come to my attention that we will have 5 different EAS 2015 honey brews available for your consumption! We wrap up the week with the Friday Night Award Banquet.

While you are in Ontario you may want to take a look around. There is a lot to see and do, from the hustle and bustle of Toronto to the quiet relaxation of the Muskokas in the north.

Did you know that the birth of the commercial beekeeping industry took place here in Ontario? World renowned bee breeder and beekeeping pioneer David Allanson Jones came to Clarksville, Ontario which, in 1874, was renamed Beeton (now Beeton). Jones searched the old world for species of bees and brought queens for isolated breeding to the islands of Georgian Bay. In 1881, Jones became the first president of the Ontario Beekeepers’ Association and founding editor of the Canadian Bee Journal. Jones holds credit for being Canada’s first major commercial honey producer. And it all happened here in Ontario, a few kilometres down the road from my apiary. A walk down Beeton’s Main Street is like stepping back in time with attractions like the Old Bee Town Honey Museum, showing the town’s roots in the bee industry.

Whether you come for just the conference or stay a little longer to enjoy the scenery, I promise you will not be disappointed.

André Flys

Call for Silent Auction Items

One of the things I look forward to each year is the silent auction. I love looking through the list of unique items and hoping my bid will allow me to take a few home.

Just a reminder that we are always looking for donations for the silent auction. It is you and your generous donations that make the silent auction a success and a great fundraiser. Your donations don’t have to be expensive or fancy. The auction volunteers will be bundling smaller items together into larger packages. So if you have t-shirts, hats, membership offers, or literature from your local, provincial, or state organizations, we would be happy to receive them. Products from your apiary are always a hit, too. Candles, lip balms, skin creams, and your own honey are always welcome. If you have items you would like to donate, please bring them to the registration desk. Thanks.

André Flys
As each term must come to an end, this will be my last missive to you as EAS Chairman. I would like to thank each and every one of you for offering me the opportunity to serve you over the past eight years.

As I reflect on the years with EAS, my greatest joy has been the opportunity to meet and talk with so many of you. I was walking through Washington Square Park in New York City a while back, and I came across students sitting on inflatable furniture with a sign that read, “Free Conversation.” EAS is like that (without the inflatable sofas)—you may find that the most valuable information comes from discussions with fellow attendees.

The running of EAS is made possible by a relatively small group of dedicated volunteers who spend hours of time (and often their own finances) to make the conferences, master beekeeper examinations, awards, and research grants run so seamlessly. EAS is a team effort and as such, I cannot take personal credit for any of the past accomplishments. I have been so very lucky to work with the most talented people in the beekeeping community; they deserve all the credit.

The original Executive Committee included John Tulloch, Treasurer; Loretta Surprenant, Secretary; Kim Flottum, Past EAS Chairman; and Kathy Summers, Vice Chairman. These four officers have had over 75 years of EAS leadership combined between them. They made sure that conferences ran smoothly and EAS traditions were not forgotten.

Financial Health
EAS now has over three times the assets of eight years ago and is in strong financial health. John Tulloch prepared a financial plan in 2008 to put EAS on firm footing. (One of the prior conferences lost $21,800 and it was feared that EAS might not survive one or two more conferences with similar losses.) The plan was to develop two endowment funds, one to raise $100,000 for Honey Bee Research (HBR), and a second to raise $200,000 to cover conference expenses in the case of an emergency, with the interest from the fund paying for the EAS administrative overhead each year. As a result of donations and several very financially successful conferences, the HBR Fund is fully funded and the Conference and Education endowment stands at 75%. EAS can now reevaluate the funding of honey bee research, perhaps adding a second grant for practical or applied research.

EAS Mission Statement
One accomplishment, that may now be obvious but was not clear before, is the development of the EAS mission statement. When asked what EAS did or stood for, few members would describe EAS the same way. The statement below succinctly describes the goals of EAS.

Our Mission Is:
Education and Conferences,
Master Beekeeper Certification,
Honey Bee Research Grants

Once the mission statement was adopted, the board of directors was then able to establish board level committees to manage each of these three goals.

EAS Conferences
The EAS Executive Committee works with the host state/province President and the local team each year. Each conference has had its own educational emphasis and social flavor.

It has been a pleasure to work with each of our presidents over the past eight years: Kent Williams (Kentucky), Bee Culture (New York), Will Hicks (North Carolina), Everett Zurkinden (Rhode Island), Bill Mares (Vermont), Linda Betlejeski (Pennsylvania), Tammy Horn (Kentucky), and André Flys (Ontario). These are the people and organizations who worked so hard, each dedicating over a year of their time, to bring you a conference. It also goes without saying that each of these presidents had their own volunteers and committees who assisted them in planning and running the conferences. There are too many to mention, but they should not be overlooked. So, as the African proverb states, “It takes a beehive to make a convention.” [I have translated the Afrikaan into beekeeper-speak for you.]

Master Beekeeper (MB) Certification
The MB Certification Committee is a board level committee that assists the MB Advisor to prepare, administer, and evaluate the examination for the MB candidates. Carol Cottrill, EAS Director from Maine, has been instrumental in developing the committee and been the chair since its inception. Carol and her committee spend many long hours streamlining the exam administration. EAS thanks Carol and the committee for their hard work.

When Clarence Collison retired four years ago, Diana Sammataro and then Dewey Caron served as MB Advisors. The seamless transition and quality examinations, which makes the EAS Master Beekeeper Certification the leading beekeeping certification program in the world, is a direct result of these three advisors.

Honey Bee Research (HBR) Grants
The Honey Bee Research Committee recommends the amount of HBR grants and evaluates the proposals each year. David Tarpy, former EAS Director from North Carolina, had chaired the committee for many years. When his directorship was over, he agreed to continue to chair the HBR Committee for an additional three years. EAS thanks David for his leadership in this role for more than eight years.

Special Recognition
Next month, Kim Flottum will have served on the EAS board for over 24 years. Kim served for eight years as Vice Chairman under Dewey Caron, eight years as Chairman, and most recently, eight years as Past Chairman. When I was EAS president in 2004, Kim and I spent hours into the night talking on the phone, planning EAS Seven Springs. Of course, we often went off topic; I learned much from those conversations. Kim has been a mentor and friend to many, many of us in the EAS Society and the beekeeping world. Kim has been the heart and soul of EAS for nearly a quarter century.

Kathy Summers, Vice Chairman from 2007-2013, had assisted Kim in planning and running EAS conferences for many, many years prior to 2007. Kathy served EAS for her 6 years as Vice Chair with the responsibility to make sure that all of the conference details were taken care of. As presidents change each year, Kathy made sure that each conference ran smoothly.
My greatest regret as chairman was that Kathy and I could not finish out our eight years together. There was a disagreement over the transition path for the remaining two years of the term, lines were drawn in the sand, and no compromise could be found. As in most cases in life, there was neither a right nor wrong path, just a difference of ideas. Kathy did an exceptional job working with our EAS presidents and her expertise will be missed.

**John Tulloch** retired as EAS treasurer three years ago. To put it bluntly, the treasurer transition did not go smoothly after he left. After a year, we asked John to come back to pay outstanding bills and get our books and accounts in order. It has taken us some time to find a qualified treasurer. In the interim, Maureen Pearson filled in as treasurer, and now Jacky Hildreth is the acting treasurer for EAS. Jacky has been wonderful. Bills are being paid on time. Our audit committee of John Baker and Dan Conlon is just finishing the review of 2014 and our books now appear to be in order. We should all thank John for coming back out of retirement to get EAS back on firm footing.

**Loretta Surprenant**, EAS Secretary, has also come back from retirement to finish the last two years of my term together. Loretta had served as EAS secretary for several decades, retiring four years ago. I asked Loretta to come back to help and she has been wonderful, communicating with the board and performing many of the tasks that had been handled previously by the Vice Chairman.

When you meet or talk to any of these exceptional people, please give each a warm thanks for their time and dedication to our community.

**The Next Four Years**

The next administration is already shaping up to be an exciting team. **Erin MacGregor-Forbes** has been elected by the EAS Board as the new chairman. Erin has been shadowing me as she “learns the ropes” and takes over the leadership. She has a wonderful energy and is filled with ideas. It will be exciting to see where she leads EAS.

**Jacky Hildreth** and **Carol Cottrill** have been nominated for the Treasurer and Secretary positions, respectively. We may have finally found two candidates capable of filling the very large shoes of John Tulloch and Loretta Surprenant.

Also on the Executive Committee, **Jeff Burd** is on the slate to be EAS President and **Debbie Delaney** to be Vice President for 2016. Jeff is planning EAS 2016 in New Jersey and Debbie, EAS 2017 in Delaware. **André Flys** will be staying on the leadership team for one more year to offer his sage advice to Jeff and Debbie.

Erin needs two more members to round out the leadership team—she has still to choose a Vice Chairman to assist her and a Journal Editor.

**EAS Journal**

For the past two years, the journal has been a collaborative effort from the leadership. My second regret over these past two years is that I have not been able to gather the information needed to get the journal out on fixed quarterly schedule. The fault for this lies squarely on my shoulders. But, I am sure that the next Journal Editor will be timelier in the journal releases.

Speaking of publications, I cannot close without mentioning **Penelope Malish** of the company Malish and Pagonis. Penelope has been designing and publishing the EAS Journals and three of the conference programs. She takes what we give her and makes it a beautiful piece of art. She has been my friend for many years and shares my interests in beekeeping and plants. And, Penelope has done all of this work for EAS as a volunteer. So, please thank her when you see her at a beekeeping event.

**The Big Wrap Up**

It is my hope that you have enjoyed EAS, its accomplishments and conferences. I am very thankful that you gave me the opportunity to serve the EAS Society in such a way. And I have, at times, been humbled—just ask the EAS Board.

The future of EAS is full of excitement. EAS is in good hands.

Next month, when you come to EAS 2015 in Guelph, please stop by and say hello. I am often at the registration desk. Just ask for me there. It will be good to see all of my long-time friends, and to make some new ones, too.

See you in Guelph. Cheers.

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**Panel Discussion:**

**Emerging Issues in Pollinator Health**

On Wednesday evening, August 12, at 7:30pm there will be a special panel discussion addressing some of the emerging issues in pollinator health and agriculture. This will include the status and importance of pollinators in Ontario and worldwide, the results and strategies of monitoring programs in Europe (Italy), and some of the recent agricultural trends, including neonicotinoid seed treatments. The panel is of particular interest given the recent regulatory action in Ontario on treated seeds and the opportunity to balance IPM in agriculture and the multiple stressors in pollinators that must be addressed.

**Speakers include:**

**Nigel Raine** (University of Guelph)

**Ernesto Guzman** (University of Guelph)

**Christian Krupke** (Purdue University)

**Franco Mutinelli** (Instituto Zooprofilattico, Italy)
Beekeeping Academy for Kids

A one day camp for children interested in bees, sustainable agriculture, and their environment.

What: A one day camp offered to students in the greater community of Toronto. Students will be introduced to the world of bees with hands-on activities, crafts, and games. Highlights of the day will be inspecting a honey bee hive, hunting native bees, and collecting data as a citizen scientist.

When: Wednesday, August 12, from 9:00am to 3:00pm.

Where: University of Guelph, Townsend House, 308 Stone Road East, Guelph, Ontario. The camp will take place at the University Honey Bee Research Centre and Arboretum.

Who: Sarah Red-Laird, aka Bee Girl, and University Honey Bee Research Centre staff will work with a small group of grade 4–6 students.

How Much: Students can register for $60 (CAD) through https://easbeekeepingacademy.eventbrite.com. There are also limited number of scholarships available, and we are offering a 20% discount for siblings registering together. Email sarah@beegirl.org for more information.

More Details: The Beekeeping Academy is a one day camp for kids going into grades four through six. Students will spend their day in a fun and educational immersion into the world of the bee. During the morning hours, we will take an in-depth look into bee anatomy, biology, and sociology, and their vital role in our food system. The afternoon will be spent up close and personal with honey bee hives and native bee observations. Throughout the day students will learn about challenges bees face and how they can be part of the solution in the bee's survival.

Kids are asked to bring a brown bag lunch, a snack, and a water bottle.

We will provide all of the beekeeping gear for the day.

Space is limited, so please register early. We will then be in touch shortly with confirmation of your registration.
Ten Reasons to Come to Guelph and EAS 2015

As if the Conference Isn’t Enough!

If you need even more incentive to come to Guelph for the EAS 2015 conference, here are a few unusual ideas for day trips. All are within a couple of hours, but will add light years to your experience.

1. **Go birding in a UN designated Important Birding Area.** Point Pelee is a renowned migratory stopover for neotropical migrants. As well, its Carolinian forest provides breeding habitat for species that are rarely found elsewhere in Canada. Some of the species you can expect to see in August are ruddy turnstone, alter flycatcher, black and white warbler, scarlet tanager, broad-winged hawk, osprey, and American kestral, to name a few. Google: Point Pelee birds

2. **Go geocaching at UofGuelph’s Arboretum.** There are at least five geocaches in the Arboretum. Geocaching is a worldwide game of hiding and seeking treasure. A geocacher can place a geocache somewhere in the world, pinpoint its location using GPS technology, and share the geocache’s existence and location online. But even if you aren’t into geocaching, it’s worth a visit to the Arboretum, which develops specialized gardens, botanical collections, and gene conservation programs. Uoguelph.ca

3. **Take a tour of a local brewery.** Ontario is home to some exceptional local and/or microbreweries. In Guelph alone, you can tour two local companies. Sleeman’s emerged from five generations of family breweries, founded in 1834—making their way through prohibition, brokering deals with bootleggers and gangsters like Al Capone, until they were banned—for 50 years! Tours are on Thursdays and Fridays, 6:30–8:30. Sleeman.ca

The other Guelph-based brewery, Wellington Brewery, is Canada’s oldest independently owned microbrewery. They do guided samplings every Saturday between 1 and 4 pm. Wellingtonbrewery.ca

4. **Hike a section of the Bruce Trail.** Canada’s oldest and longest marked footpath provides the only continuous public access to the magnificent Niagara Escarpment, a UNESCO World Biosphere Reserve. Running from Niagara to Tobermory, it spans more than 890 km, but there are hundreds of points to access the trail. Brucetrail.org

5. **Learn about condensed matter at the Perimeter Institute at the University of Waterloo.** The Perimeter Institute is a leading centre for scientific research, advancing our understanding of the universe at the most fundamental level. Condensed matter physics wants to answer questions like: Why is a material magnetic? What materials are good to make a reliable quantum computer? Lectures, open to the public, are on August 6, 11, and 13 at 3 pm. Perimeterinstitute.ca

6. **Listen to choro, Brazil’s original soul music, in Toronto’s Music Garden.** This delightful garden, located on the western end of Toronto’s Harbourfront, was designed by internationally renowned cellist Yo Yo Ma to reflect Bach’s Suite No. 1 in G Major. The choro concert is on August 9 from 4-5 pm in the garden. But you can go to the garden anytime and rent an audio guide that explains how the garden design relates to the music. Harbourfrontcentre.com

7. **Take the Bike Train from Toronto—London—Windsor.** Take the bike train to Windsor and Essex County and explore diverse historical cultural attractions, wineries and vineyards, parks, and bird watching areas. Pick a section of the 620 km trails that go along the shores of Lake Erie to Fort Erie in Niagara Region, through small towns, fresh water beaches, and Point Pelee National Park, world renowned for bird and butterfly migrations. Biketrain.ca

8. **Have a scavenger hunt at the Earth Sciences Museum in Waterloo.** If that’s a little kid-like for you, explore the geological garden that consists of 23 specimens representing various Ontario geological formations. Or experience what life in the Ontario mining industry was like in the past. Their tunnel is based on a 1960’s silver mine in Cobalt, Ontario. Uwaterloo.ca/earth-sciences-museum

9. **Dive into Hamlet at the Stratford Festival (or the Sound of Music, Anne Frank, or Carousel).** For more than half a century, Stratford has provided stimulating, thought provoking productions of Shakespeare’s and other plays from the classical repertoire. Have a lovely dinner at one of Stratford’s many bistros and restaurants and wander through this charming town. Stratfordfestival.ca

10. **Take a helicopter over Niagara Falls.** Seeing the Falls from above gives you a perspective like no other. On a clear day you will see the outline of Toronto to the north and the shores of Lake Erie to the south. They have regular short flights or charter flights. Want to whisk someone away for a romantic experience? This will do it. Niagarahelicopters.com

See you in Guelph!
Extracting Room Cleanup

Paul Kelly  
Research and Apiary Manager, Townsend House, Honey Bee Research Centre, The University of Guelph

As extracting season approaches I thought a few tips on washing equipment and the extracting room might be helpful for newer beekeepers.

Most beekeepers wipe down the exterior surfaces of equipment daily and wash the interior surfaces at the end of the extraction season. Fortunately, honey dissolves in water, and no soaps or cleaners are required for extracting equipment. They should, in fact, be avoided so that residues don’t contaminate your honey. Use warm—not hot or cold—water. Cold water won’t dissolve honey quickly; hot water melts beeswax and permanently bonds it to surfaces. Use plenty of water and give it time to dissolve the honey; wax cappings will then rinse off easily. Propolis can be removed by scraping with a plastic scraper or your thumbnail. Avoid using your hive tool for scraping, as it will scratch stainless steel.

Try to limit the number of bees brought into your extracting area. They are not only a nuisance, but also a hygienic risk, as they spot surfaces with bee feces. If possible, provide a window mounted bee escape in your extracting area so unwanted bees can exit. Bee feces can be difficult to remove. Wet the affected surfaces and keep them damp for some time to soften the spots; they will then scrape or scrub off readily. A long-handled wall brush works great on wall surfaces.

Window mounted bee escape

Washing and scraping the floor surfaces daily after extracting is well worth the effort. A perforated rubber floor mat at your workstation prevents wax debris from being compacted to the floor and reduces the risk of slip injuries.

We are in a sticky business! A bit of effort keeping things clean makes your work environment hygienic and more pleasant.

Paul Kelly will be providing bees for the EAS Short Course and Conference held at the University of Guelph, August 10-14. If you see Paul, he just might offer to show you the honey house and indoor hive overwintering facility at Townsend House, just on the other side of the Campus Arboretum.

Originally Published in the Ontario Bee Journal.

Honey Exchange

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

Drop off up to three jars of honey, clearly labeled, when you arrive at the Registration Desk at EAS 2015. You will receive a ticket for each jar. After noon on Friday, bring your tickets and exchange the tickets for jars of honey.

It’s as simple as that.

Free Internet Access and WiFi at University of Guelph & EAS 2015  
(Visit the registration desk for account and password.)
2015 Short Course/Conference Registration Form

ATTENTION: You may register on-line at www.easternapiculture.org starting early April. Mail registration is now open. If you are registering by mail, WE MUST RECEIVE YOUR FORM BEFORE JULY 20, 2015. After that date, you may still register on-line or during the conference. However a $25 administration fee will be charged and dorm rooms, meals, and special events may not be available after that date. PLEASE NOTE ALL FEES ARE IN US FUNDS

If you are a speaker or volunteer, please enter your Registration Code ____________

1. Contact Person: ____________________________ Phone: ______________________

EAS DUES – must be current to attend this conference. (Dues include entire family.)

☐ Dues Are Current  ☐ $25 Annual  ☐ $45 / 2-Year  ☐ $65 / 3-Year  ☐ $250 Life Membership $ _________

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

REGISTRATION

3. COMBINATION SHORT COURSE & CONFERENCE (Includes Thursday EAS Tech Tour and Thursday lunch.)
   All five days for one price!  # of people ___ X $325 = $ _________
   Name(s) ____________________________________________________________

4. SHORT COURSE Only
   Three Days Course (Mon -Wed, Aug 10-12)  # of people ___ X $175 = $ _________
   Name(s) ____________________________________________________________

5. MAIN CONFERENCE Only (Includes Thursday EAS Tech Tour, lunch, and Thursday lunch.)
   Three Days Conference (Wed -Fri, Aug 12-14)  # of people ___ X $250 = $ _________
   Name(s) ____________________________________________________________

6. ONE DAY CONFERENCE ONLY (Please specify days)  ☐ Mon  ☐ Tues  ☐ Wed  ☐ Fri
   # of days ___ X # of people ___ X $75 = $ _________
   Name(s) ____________________________________________________________

7. TECH TOUR ONLY Thursday – Lunch Included. Same rate for adults and students.
   # of people ___ X $100 = $ _________
   Name(s) ____________________________________________________________

8. STUDENT REGISTRATION (Please specify days)  ☐ Mon  ☐ Tues  ☐ Wed  ☐ Fri
   Show high school or college ID at registration. Students under 18 must be accompanied by an adult.
   # of days ___ X # of people ___ X $25 = $ _________
   Name(s) ____________________________________________________________

SPECIAL OPTIONS (Included in Registration Fee – No extra charge.)

9. I plan to bring ___ entries for the Honey Show.

10. I want to register for the Queen Production Workshop during the Short Course. Registrants must commit to attend both Monday and Tuesday, August 10 and 11. (Class size is limited to 25 attendees.) Put my name on the list:

Page 1 Subtotal (Sum up the values in the lines above.) $ _________
LUNCH

11. LUNCHES (Please specify days for lunch.) Thursday lunch is included in EAS Technical Tour

<table>
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<tr>
<th>Name</th>
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<th>Tues</th>
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12. □ I/we will attend the Lifetime Member Luncheon Friday, Aug 14. (Please purchase lunch or bring bagged lunch.)

DORM ROOMS  Please contact University of Guelph directly for room reservations. 519 824 4120 ext.52845

SPECIAL EVENTS

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

TUESDAY NIGHT - Propolis Etc. Tour of Guelph store – Free Event

WEDNESDAY NIGHT — Free Event – International researchers discuss Ontario’s Pollinator Health Plan

THURSDAY NIGHT – Free Event – BBQ and Queen Auction at Bee Farm (limited to first 350 signed up)

You must be registered for the conference or signed up for the Thursday Tech Tour to be eligible for the free Thursday night BBQ

13. FRIDAY NIGHT ANNUAL BANQUET

Indicate # of each entrée Locally themed chicken dinner ___ Vegetarian dinner ___ # of people ___ X $45 = $ ______

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

14. Donation to Honey Bee Research Fund (help us help honey bees) $ __________
15. Donation to Speaker & Education Fund (help us help beekeepers) $ __________
16. Be an EAS 2015 Sponsor  (Place a comment in the EAS 2015 Program)

Please limit each message to 50 characters

☐ Queen Level Sponsor $50 $ __________
☐ Worker Level Sponsor $25 $ __________
Message __________________________________________________

Late registration fee if after July 20, 2015 $25.00 = $ ______

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

Please list any suggestions or restrictions that we should know about to ensure an enjoyable experience at EAS 2015.

Mail this form with check, made payable to EAS 2015, or credit card information to:

EAS 2015 Registration, Lou Naylor, 633 East Main St., Unit D1, Moorestown, NJ 08057

Name on Card ____________________________

Master Card or VISA # ____________________________

Expiration Date ___ / ___ 3-digit code on back of card __________

Signature ____________________________

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

Registration questions? Email registrar@easternapiculture.org, or call Lou at 856-234-1799 (8am–8pm Eastern Time).

EAS Registration Form Ver 3.6b
Buckfast Bees in Ontario

In the first and second decade of the 1900s, devastating losses of honey bee colonies occurred in England. At the time, the cause wasn’t known. But since it seemed to have started on the Isle of Wight, the disease was named for its apparent origin. Much later it was recognized that the problem was caused by the parasitic mite *Acarapis woodi* or tracheal mite. A young monk working with bees at Buckfast Abbey in Devon England became intrigued by the tolerance or susceptibility of different races of bees to this disease. This monk, known as Brother Adam, spent the next seventy years breeding bees with a singular devotion.

Brother Adam was able to apply the recent revelations about genetics by designing a breeding system. He recognized that because queens mate with multiple drones of unknown genetic backgrounds, he would have to control the mating to achieve significant results. Fortunately Buckfast Abbey is relatively close to the Moors, an area where no trees grow, so no bees can survive in the wild. By moving colonies to this area with the drone stock he had selected, he could ensure that the virgin queens in his nucleus colonies could only mate with his selected drones. Going one step further, he inbred the drone lines and had the drone colonies headed by sister queens. The drones produced in these colonies are therefore almost genetically identical, so he could do pedigree breeding just as is practiced in all mammal breeding programs. Each year one drone line was selected and multiple queen lines were mated with it. This produced a number of combinations to test each year. Pedigree breeding allowed him to keep records of all the genetic combinations from both the male and female side, similar to the family trees people use to record their ancestry.

Brother Adam’s breeding system has a three year cycle. In the first year, a minimum group of thirty queens of each combination are produced and introduced to colonies. In the second year, the mature colonies are tested and several breeder queens are selected from each group. In the third year, larvae from breeder queens are grafted to rear new queens. The drone producing colonies are requeened in the fall if a new drone line is required the following year. Since worker bees eject drones in the fall, only drones from the new queens are present in the spring.

Brother Adam thought that bees should be productive, easy to manage, and pleasant to work with. His main selection criteria were therefore: low tendency of swarming, lack of aggression, and calmness (or what he referred to as comb
stability). He developed a simple scoring system for recording observations of these characteristics. Colonies were also required to be above average in honey production to be selected for breeding. Because all combinations were made with only one drone line each year it was most important that the drone line have all the main characteristics consistently expressed. He travelled extensively to search for strains of bees which had positive traits and crossed these with his stable drone lines. Some of these new combinations proved worthwhile, but others were abandoned even after years of re-crossing—high swarm tendency being the hardest trait to eliminate from some strains.

Many bee breeders, especially in Europe, have adopted Brother Adam’s methods and used his stock. Until 1990, however, only the Weavers of Texas had bred this stock in North America. In the 1960s, Dr. Maurice Smith of the University of Guelph brought Buckfast eggs and semen to the Weavers from Buckfast Abbey. At the time, of course, most Canadian beekeepers imported their queens from large queen rearing operations in the United States.

Tracheal mites eventually made it to the United States in the 1980s, and colony losses were extensive. Prior to the arrival of tracheal mites in Canada, our University of Guelph research program, led by Dr. Gard Otis and Dr. Cynthia Scott-Dupree at the time, did many projects in the northern United States to study the effects of tracheal mite and to test control measures. We reasoned the best control measure was to breed for resistance and started the tracheal mite resistance breeding program. We also imported Buckfast stock from Brother Adam in 1989 to gain presumed tracheal mite resistance within bees known for their beneficial attributes. This was the first time honey bees had been imported into Canada from a European country since imports were banned in 1927 due to the Isle of Wight disease. Of course, the import protocol required quarantine procedures and a great deal of effort to ensure we didn’t import foreign pathogens. Subsequent research projects demonstrated that, as suspected, Buckfast stock were highly resistant to tracheal mites.

We continued to import Buckfast stock in the following years, first from the Abbey and later from the breeder Brother Adam recommended, Keld Brandstrup of Buckfast Denmark Ltd. Ontario beekeepers Barry Davies, Paul Montoux, Rick Neilsen, and the University of Guelph all invested in purchasing breeder queens, established isolated mating stations, and became registered Buckfast breeders. Registration required a commitment to use Brother Adam’s breeding system and to
pay royalties to the Abbey. Only registered Buckfast breeders are allowed to use the term Buckfast when advertising colonies or queens for sale. The stock gained widespread approval in the province and was maintained and improved through continued selective breeding by the Ontario Buckfast Breeders. The University of Guelph is now the only original registered Buckfast breeder in Ontario. Fortunately, three other bee breeders have joined the program, and we now call our group Buckfast Ontario Breeders (B.O.B.). These breeders are Gabriella Berger of Georgian Bay Honey in Owen Sound, Bill Ferguson of Ferguson Apiaries in Hensall, and the Bryans family of Munro Honey and Meadery in Alvinston. The University of Guelph apiaries sell only breeder queens. Buckfast Ontario imported 11 breeder queens from Denmark in 2010 and seven more in 2011.

After seventy-eight years of beekeeping, Brother Adam retired in 1990 at the age of 93. His legacy of breeding productive, gentle bees is carried on internationally by many breeders. We are proud to be associated with these efforts.

**Journal Ads, Articles, and Letters to the Editor**

EAS is seeking articles and ads for our upcoming issues. Have something to say to the Society? Why not write a letter to the editor? Our journal comes out quarterly.

Email requests to Journal@easternapiculture.org for more information. For ads or ad prices please contact ads@easternapiculture.org.
Queen finding is a skill required for making splits, re-queen- ing, and many other hive manipulations. Once you learn a few tricks and gain some experience this challenging task becomes fun.

The ideal conditions for finding queens are when the weather is warm and sunny, a nectar flow is in progress, and the colonies aren’t too strong. Some practise in the spring will help you gain the confidence needed to find queens, when the hives are more populous later in the summer. It is helpful if the sun is directly overhead, but if that isn’t possible, try to work with the sun behind your back. Sitting on a low stool or kneeling beside the hive will improve your vision, comfort, and concentration. Your search image is the queen’s abdomen, as it is visibly different from the workers abdomen. Staring at a picture of a queen will help imprint this search image in your brain. Even if you think your queen is marked with paint, look for her abdomen—not the coloured dot. She may have been superseded. Work carefully, but quickly, to find her, before she wanders away from the brood area. Use enough smoke to keep the bees calm, but not so much that the workers start running. Unfortunately, the aggressive, runny colony that you most want to requeen will be the hardest to find a queen in. A day or so ahead of looking for the queen, you can move this colony to a different location in the bee yard. This will result in some of the more aggressive older bees drifting to other colonies. One key fact to bear in mind, when searching for queens, is that a mated queen always moves away from light. The following method takes advantage of this behaviour to locate the queen.

When working with a double brood chamber hive, set the hive lid on the ground, rim side up. Place the second brood chamber diagonally on top of the lid. Separating the two brood chambers prevents the queen from moving between boxes. In early spring the queen is most likely in the second brood chamber—so look there first. Remove the second frame from the side closest to you, scan your eyes over it briefly, and then lean it against a front corner of the colony. Leaving this frame out for the duration of the inspection, systematically remove and replace each frame working away from yourself. When replacing frames in the colony keep them close together to maintain your working space and prevent bees from clumping. As you remove each frame, look at the exposed side of the next frame in the brood chamber. If the queen happens to be on the next frame, you will see her working her way down the comb and away from the light. As her abdomen will be pointing up, she’ll be relatively...
Finding Queens, continued

easy to see. Hold the removed frame in good light and at an angle that reduces glare coming from the sunlit wings. Look first at the side of the frame not exposed to light when it was still in the box. Scan around the edges of the comb, then across the middle. Queens located near the edge of a frame will often duck around to the shaded backside of the frame, and then duck back when you rotate the frame. If the queen is not found in the second brood chamber, cover it up, and then look through the first brood chamber. If you don’t find the queen after looking through all the frames twice, close the colony up and come back another day, when the colony is more settled. It is of course much easier to find a queen in a single brood chamber hive. You have the confidence of knowing which box she’s in and half the number of frames to look through.

Some beekeepers install a queen excluder in between the two brood chambers to simplify locating the queen. After one week you’ll know that the box with eggs and very young larvae will also contain the queen, so she’ll be easier to find. If your goal is to split the two brood chambers and make a new hive you can simply introduce a new queen to the brood chamber with no eggs. No need to find the queen at all.

Many beekeepers despair of not being able to find queens. Make this the year you are going to improve your queen finding skills and start practising.

Paul Kelly will be providing bees for the EAS Short Course and Conference held at the University of Guelph, August 10-14. If you see Paul, he just might offer to show you the honey house and indoor hive over wintering facility at Townsend House, just on the other side of the Campus Arboretum.

Originally Published in the Ontario Bee Journal.

Wanted: EAS Historian

Our past two Historians, Richard Chapin and Kim Flottum, have digitized all of the EAS Journals, Conference brochures, and other EAS artifacts. The Historian is requested to make a presentation at every other EAS Conference. If you have any questions or could help us preserve a record of the Society’s accomplishments, please email Secretary@EasternApiculture.org.

Robert Page may be recognized as one of the authors of Queen Rearing and Bee Breeding. More recently, he has authored The Spirit of the Hive.

EAS awarded the James I. Hambleton Memorial Award, recognizing research excellence in apiculture, to Robert Page in 1988. This summer, Dr. Page will be one of the EAS 2015 keynote speakers at the University of Guelph, Ontario, Canada.
What sets our bottom boards apart from most is the fact that there is no landing board or projection at the hive entrance. The bottom board is flush with the brood chamber on all sides. Most bottom boards have this projection to give the bees a place to land prior to entering the hive. Have you ever noticed how easily bees enter a wild nest in a hollow tree with no landing strip? In my opinion, since bees don't really need this area for landing, it should be eliminated—unless it benefits the beekeeper.

The disadvantages of having the bottom board project from the hive are as follows:
1. This area tends to rot as it is constantly exposed to the elements.
2. The projection is awkward and tends to catch on things when you are moving hives.
3. It is especially important to have the hive sloped so that the entrance is lowest or rain, snow, etc. landing on the projection will run into the hive creating an unhealthy environment for the bees and further promote wood rot.
4. When using pollen traps the slope of the hive has to be reversed as the projection of the bottom board is now at the back of the hive.
5. Some varroa trap designs require that the bottom board be reversed front to back creating the same problems as with pollen traps.
6. When using plywood to construct bottom boards, two more bottom boards can be made per sheet of plywood when the projection is removed.
7. The projection prevents winter wraps from extending to the base of the bottom board. Winter wraps that go all the way to the bottom of the hive shed all precipitation and reduce drafts in the hive. It is, of course, necessary to ensure that bees have access to the bottom entrance.

The advantages of having the bottom board project include:
1. The projection can improve bee access to the entrance, if vegetation in front of the entrance is long.
2. When moving colonies, the projection helps space the hives apart on the truck bed and abutting bottom boards* provide a platform for bees to cluster on when they are hot. (With flush bottom boards the telescoping lids provide spacing)

Continued on page 26
THE EAS MASTER BEEKEEPER CERTIFICATION PROGRAM

PART 2 OF 3: THE ORAL AND WRITTEN EXAMS

IN OUR LAST ISSUE, WE FEATURED AN OVERVIEW OF THE Eastern Apicultural Society’s Master Beekeeper Program, which certifies qualified beekeepers to act as ambassadors for the beekeeping community. The four-part certification exam – which tests a candidate’s knowledge of honey bees and beekeeping – will be taking place at the EAS Conference this summer, August 10-14, on the campus of the University of Guelph. In this issue, we’re taking a look at parts one and two – the oral and written exams.

THE ORAL EXAM
As ambassadors and mentors, it is critical that Master Beekeepers be able to “stand and deliver” under virtually any circumstances. The oral exam is meant to evaluate how well a beekeeper can communicate his or her knowledge in a way that is accurate, engaging, and appropriate for the audience concerned. Candidates sit down with three testers for the one-hour exam, which consists of three or four impromptu questions as well as a short prepared presentation.

The impromptu questions approximate those a beekeeper might encounter when dealing with the press, during a radio interview, or while mentoring another beekeeper. The candidate is allowed three minutes for their answer, and testers look for a clear introduction, a concise discussion of facts, and succinct recommendations. A sample question might go something like this:
“I took the beekeeping class this year. It is August now and I have two colonies. I just checked them and one is dead. It was killed by wax moths. I don’t remember much about wax moths from class – they went over it really fast. But I’m upset and don’t want this to happen again. Please tell me what I should look for to prevent this happening again.”

The topic for the prepared presentation is assigned once a candidate’s application to write the Master Beekeeper exam has been accepted. This component tests a candidate’s ability to give a talk in front of a town planning board, a bee club, or any other organization. The presentation is five minutes in length, with a few minutes afterwards for follow up questions (simulating a real audience). Candidates are encouraged to use visual aids such as posters, handouts, and Power Point presentations to enhance their talk.

The three testers each complete an evaluation form that assesses the candidate’s accuracy and completeness, delivery and presentation, ambassadorship, preparedness, and listening skills. Each question is worth 25 points, and the candidate must earn a score of 85 or higher from two of the three examiners in order to pass.

To prepare for the exam, EAS recommends attending meetings, asking questions, and understanding what makes an effective response. Volunteering to be a speaker is good experience – ask listeners for feedback, and practice until you feel comfortable. In fact, trying out your five-minute presentation in front of an audience will help you determine how well-prepared you are, and whether your information fits within the allotted time. Remember, keeping on topic is important.
THE WRITTEN EXAM

Being well-read on the subjects of bee biology and hive management is a must, and candidates are expected to be up-to-date on current issues such as industry trends and scientific research.

The EAS website provides an extensive list of recommended resources and reference material that Master Beekeepers would be expected to have in their own collections. Public libraries are also a valuable resource, as they can bring in many of the books for you through their inter-library loan program. (Hint: most questions are based on the book *Honey Bee Biology and Beekeeping by Dewey Caron* and *The Beekeeper's Handbook* by Sammataro and Avitabile.)

The written exam is closed-book (you cannot bring any reference materials in with you) and usually takes about one hour, although candidates are allowed up to four hours to complete it. Material covers bee biology, apiary management, and contemporary issues in apiculture. Questions are presented as multiple choice, true-or-false, and fill-in-the-blank, along with some short essay-style questions. The passing grade is 85.

TEST YOUR KNOWLEDGE WITH THESE SAMPLE QUESTIONS:

TRUE OR FALSE
1. Granulation of extracted honey means honey spoilage, so consumers often throw it out— but it can still be used to feed a bee colony.

2. Bee bread is pollen stored in beeswax cells of the brood nest. It provides the 10 required amino acids, necessary cholesterol, fats, vitamins and minerals, plus most of the carbohydrates needed by larvae and newly emerged adults for normal development.

3. Extracting surplus honey requires ownership of (or access to) an extractor plus settling/bottling tank. To sell honey, the beekeeper needs to heat and ultra-filter the liquid for improved shelf life of extracted honey bottles.

MULTIPLE CHOICE
1. The mandibular gland of the queen produces a pheromone that has several functions, including:
   A. Hive orientation pheromone
   B. Queen identifying pheromone
   C. Alarm pheromone
   D. Swarming pheromone

2. The brood disease European Foulbrood (EFB) is:
   A. Most likely detected by examining capped brood
   B. Caused by a bacteria
   C. A common symptom of CCD
   D. Readily distinguished from other diseases/chilled brood by odour

3. The spring buildup of a bee colony:
   A. Can double the colony population in two brood cycles
   B. Is independent of the amount of stored bee bread reserves
   C. Is dependent upon the queen’s ability to lay 2,000 eggs per day
   D. None of these responses—spring buildup is temperature related

FILL IN THE BLANKS
1. The worker scent gland is located on the ______________ body region; it is also termed the __________________ gland. When releasing the scent, the bee’s characteristic body position is ______________._

2. Spring management initially might involve reversing of brood boxes or feeding bees a _________ sugar syrup to _____________ the colony to grow.

An alternative to reversing boxes is to checkerboard with drawn frames. What two things might reversal or checker-boarding help accomplish within the next month?
1. ___________________________________________________
2. ___________________________________________________

3. L. L. Langstroth is credited as discoverer of the first practical ________. He understood the concept that bees have ______________. This hive (or book he wrote on how to use it) was not a financial success for Reverend Langstroth. What else did he do to make money in bees? __________________________

WANT TO KNOW THE ANSWERS?
FIND THEM AT ONTARIOBEE.COM/EAS
COME ONE, COME ALL!

EASTERN APICULTURAL SOCIETY ANNUAL CONFERENCE
UNIVERSITY OF GUELPH
ONTARIO, CANADA

AUGUST 10—14
2015

KEYNOTE SPEAKER:
MARK WINSTON

WORKSHOPS INCLUDE:
MEAD AND BEER MAKING, QUEEN REARING, IPM AND NEWBEE

TOURS:
THE NIAGARA BUTTERFLY CONSERVATORY, A MEADERY,
AND A LARGE COMMERCIAL BEEKEEPING OPERATION

CHECK ONTARIOBEE.COM/EAS AND EASTERNAPICULTURE.ORG FOR UPDATES

ESSAY QUESTIONS (10% OF THE EXAM WILL BE ESSAY QUESTIONS – GRAMMAR IS NOT GRADED)

1. You just started a bee colony last year and now you want to make your bees “pay back” your investment. Develop a reasonable plan designed to allow you to recoup your initial investment (assume $500) in three years, beginning the second spring, with a single overwinter surviving bee colony (assume you have above-average survival of colonies and nucs).

2. Spring management has three distinct phases – buildup, keeping together, and adding storage space. What two things can be done to bolster slowly developing spring colonies, and when are they done? (in bee population terms – not calendar date). (2 points)

What does “keeping colonies together” mean, and how can it be achieved? (2 points)

And finally, how should extra space be added to a fully developing colony in spring? (1 point)

Candidates are expected to have a university-level knowledge of the subject, and should expect to spend three to six months preparing for the exam. Participating in an intermediate-level beekeeping workshop is recommended, as is taking a university course in apiculture – however they aren’t mandatory. Attendance at conferences and local beekeeping meetings, as well as interacting with experienced beekeepers, assists candidates in rounding out their knowledge and keeping current about the issues.

Next issue, we’ll go over day two of the exam period – the lab and field exams.

For more information about the EAS Master Beekeeper program, or for access to practice exams, visit www.easternapiculture.org.
Train-the-Trainer Workshops

The Monday morning Train-the-Trainer Workshops are designed to help beekeepers develop stronger clubs, increase availability of bee educational programs, and improve the overall education level of their beekeeping community. You will learn how individual teachers have made a difference in their beekeeping region and community. We encourage any intermediate or advanced level beekeepers to attend these sessions, so you yourself can implement the suggestions. Or you can refer back to the ideas presented, when communicating with the beekeeping educators and leaders in their own home groups.

How to Organize a Bee School
EAS MB Carol Cottrill

This session focuses on the logistics of creating a beginning (or other level) bee school in your area. We’re not talking content; we are talking planning and execution. This is an important step to consider when increasing the amount of education in your area. With over ten years of experience teaching and organizing bee schools, Carol is an EAS Master Beekeeper whose knowledge will save you time, effort, and enable you to focus on what you really need to work on—your new beekeepers!

Getting Past Lighting the Smoker
EAS MB Landi Simone

In her many years of teaching beginning bee school, Landi has realized that actual hands-on hive experience, right at the beginning of the new beekeeper’s journey into beekeeping, makes a critical difference in their confidence and overall quality as a beekeeper. Landi will discuss the logistics of how she gets new beekeepers into the apiary to inspect their first hives (not just watching her do an inspection) and the impact that makes on the quality of the new beekeepers in her region. She’ll also talk about helping new beekeepers become better observers/diagnosticians of their bees by learning to interpret the many clues the bees leave for those who know how to read them.

Stepping up to Intermediate Bee School
EAS MB Erin MacGregor-Forbes

Erin is a mover and a shaker in her beekeeping community. She realized early on that there is a gap in beekeeping education. Books and classes are focused on beginning beekeeping or advanced topics, and the realities and practicalities of building up are not well addressed. So Erin created an intermediate level bee school in Maine, designed for people with 2-7 hives and 2+ years of beekeeping, to fill the gap. This course has run for five years in Erin’s area, and in 2015, she taught it in Massachusetts as well. In this session we will discuss the how and why of teaching Intermediate Bee School. Erin will provide the PowerPoint presentation of her 6-week Intermediate School for participants to use and expand in their own area.

How to Develop and Increase High Quality Programs in a Regional Bee Club
MB Robert Sears

Bob Sears and the Eastern Missouri Beekeepers Association have developed a vibrant, motivated, well-endowed (financially), and well-educated group through their education, outreach, and niche-filling activities. Bob will discuss the how and why of the programs they offer, and the benefits that are achieved by both the individuals and the club. From the club nuc pick-up to “Extractaganza,” Bob (and the Eastern Missouri Beekeepers Association) share their successful solutions to problems that every club faces in terms of engagement, increasing education and reducing redundancy in beekeeping operations.
### EAS 2015 Conference Schedules

#### Registration & Information

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Sunday</td>
<td>3:00 p.m.– 7:00 p.m.</td>
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<tr>
<td>Monday</td>
<td>7:30 a.m.– 4:00 p.m.</td>
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<tr>
<td>Tuesday</td>
<td>7:30 a.m.– 4:00 p.m.</td>
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<tr>
<td>Wednesday</td>
<td>7:30 a.m.– 5:00 p.m.</td>
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<tr>
<td>Thursday</td>
<td>8:00 a.m.– 9:30 a.m.</td>
</tr>
<tr>
<td>Friday</td>
<td>8:00 a.m.– Noon</td>
</tr>
</tbody>
</table>

Please return your meal card and dorm keys before you leave campus; you will be billed $75 to replace each item that is not returned.

#### Master Beekeepers

<table>
<thead>
<tr>
<th>Event</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meet and Greet Candidates</td>
<td>Monday</td>
<td>1:30 p.m.– 2:30 p.m.</td>
<td>MacKinnon 107</td>
</tr>
<tr>
<td>Exam Study Groups</td>
<td>Monday</td>
<td>2:30 p.m.– 4:00 p.m.</td>
<td>MacKinnon 107</td>
</tr>
<tr>
<td>MB Exam Volunteers’ Dinner</td>
<td>Monday</td>
<td>5:00 p.m.– 7:00 p.m.</td>
<td>TBA</td>
</tr>
<tr>
<td>Exam Review</td>
<td>Monday</td>
<td>7:00 p.m.– 9:00 p.m.</td>
<td>MacKinnon 107</td>
</tr>
<tr>
<td>Written Exams</td>
<td>Tuesday</td>
<td>8:30 a.m.– 12:30 p.m.</td>
<td>MacKinnon 236</td>
</tr>
<tr>
<td>Oral Exams</td>
<td>Tuesday</td>
<td>12:30 p.m.– 4:00 p.m.</td>
<td>MacKinnon 236</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Tuesday</td>
<td>10:00 a.m.– 4:00 p.m.</td>
<td>MacKinnon 236</td>
</tr>
<tr>
<td>Tuesday</td>
<td>Tuesday</td>
<td>10:00 a.m.– 4:00 p.m.</td>
<td>MacKinnon 238</td>
</tr>
<tr>
<td>Lab Exams</td>
<td>Wednesday</td>
<td>8:30 p.m.– 12:30 p.m.</td>
<td>MacKinnon 238</td>
</tr>
<tr>
<td>Field Exams</td>
<td>Wednesday</td>
<td>10:00 a.m.– 4:00 p.m.</td>
<td>Beeyard</td>
</tr>
<tr>
<td>Annual Meeting</td>
<td>Friday</td>
<td>7:30 a.m.– 8:30 a.m.</td>
<td>TBA</td>
</tr>
<tr>
<td>Exam Review (Candidates receive scores and</td>
<td>Friday</td>
<td>3:00 p.m.– 5:00 p.m.</td>
<td>MacKinnon 107</td>
</tr>
<tr>
<td>get questions answered.)</td>
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<td></td>
</tr>
<tr>
<td>Presentation of New Master Beekeepers at Banquet</td>
<td>Friday</td>
<td>6:00 p.m.– 9:30 p.m.</td>
<td>Creelman Hall</td>
</tr>
</tbody>
</table>

#### Meetings

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS Board of Directors’ Meeting</td>
<td>Wednesday</td>
<td>Noon– 1:30 p.m.</td>
<td>TBA</td>
</tr>
<tr>
<td>(bring your lunch)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EAS 2016 New Jersey Preview</td>
<td>Friday</td>
<td>10:30 a.m.– 10:45 a.m.</td>
<td>Rozanski 101</td>
</tr>
<tr>
<td>EAS Annual Business Meeting</td>
<td>Friday</td>
<td>10:45 a.m.– Noon</td>
<td>Rozanski 101</td>
</tr>
<tr>
<td>(Everyone is encouraged to attend.)</td>
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</tr>
<tr>
<td>Life Members Banquet</td>
<td>Friday</td>
<td>Noon– 1:30 p.m.</td>
<td>TBA</td>
</tr>
<tr>
<td>(bring your lunch)</td>
<td></td>
<td></td>
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</table>

#### Vendor Schedule

<table>
<thead>
<tr>
<th>Event</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vendor Setup</td>
<td>Monday</td>
<td>8:00 a.m.– 1:30 p.m.</td>
<td>Peter Clarke Hall</td>
</tr>
<tr>
<td>Vendor Show Open</td>
<td>Tuesday</td>
<td>10:00 a.m.– 4:15 p.m.</td>
<td>Peter Clarke Hall</td>
</tr>
<tr>
<td>Vendor Show Open</td>
<td>Wednesday</td>
<td>9:00 a.m.– 5:00 p.m.</td>
<td>Peter Clarke Hall</td>
</tr>
<tr>
<td>Vendor Show Closed</td>
<td>Thursday</td>
<td>Closed</td>
<td>Peter Clarke Hall</td>
</tr>
<tr>
<td>Vendor Show Open</td>
<td>Friday</td>
<td>9:00 a.m.– 3:00 p.m.</td>
<td>Peter Clarke Hall</td>
</tr>
<tr>
<td>Vendor Tear Down</td>
<td>Friday</td>
<td>3:00 p.m.– 5:00 p.m.</td>
<td>Peter Clarke Hall</td>
</tr>
</tbody>
</table>

#### Annual Honey Show

<table>
<thead>
<tr>
<th>Event</th>
<th>Day</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drop Off Show Entries</td>
<td>Rozanski Hall</td>
<td>Tuesday, Wednesday</td>
<td>1:30 p.m.– 4:30 p.m., 10:30 a.m.– Noon</td>
</tr>
<tr>
<td>Show Open to Public</td>
<td>TBA</td>
<td>Friday</td>
<td>9:00 a.m.– 3:00 p.m.</td>
</tr>
<tr>
<td>Post-Show Pick Up of Entries</td>
<td>TBA</td>
<td>Friday</td>
<td>After 3:00 p.m.</td>
</tr>
<tr>
<td>Top Awards Presentation (at Banquet)</td>
<td>Creelman Hall</td>
<td>Friday</td>
<td>6:00 p.m.– 9:30 p.m.</td>
</tr>
</tbody>
</table>
For the last 20 years, the province of Ontario has continued provisional resources to the Ontario Beekeeper’s Association (OBA) to maintain its Tech Transfer Program (TTP). These resources have resulted in a wealth of information on beekeeping management, research, and knowledge transfer services provided by TTP. Founded by the OBA board of directors in the early 1990s, the first 10 years of the TTP were lead by Medhat Nasr, who is now the Alberta provincial apiarist, and followed by Alison Van Alten (Skinner), who has moved on to run her own successful and leading honey bee breeding, queen, and nuc business. Since 2011, the current program is lead by Les Eccles. Les took the position of TTP lead after first working for the University of Guelph honey bee research program, and then spending two years in Mexico providing knowledge transfer to beekeepers on integrated pest management (IPM) and overall best management practices (BMP).

The mandate of the TTP is to provide education and current field applied research. Annually, the TTP offers three workshops: Intro to Beekeeping, Integrated Pest Management, and Queen Production. Between the start of May and the end of June, the TTP provide approximately eleven workshops across the province that are generously hosted by local beekeepers. Through these two months alone, the TTP train approximately 250 beekeepers. The TTP has three new workshops in development to address the increasing need and demand for beekeeper training. These workshops are Advanced Integrated Pest Management, Pollination Services, and Queen Breeding. These workshops will give opportunity for beekeepers to meet the growing demand for pollination contracts and continue in their learning—new material will be integrated into these workshops as the industry changes. These workshops will first be offered during the winter of 2016.

The TTP also provide essential services to the Ontario Bee Breeders Associations’ (OBBAA) Ontario Resistant Honey Bee Selections (ORHBS) program. Bee breeders that are part of the ORHBS program receive hygienic testing services and monitoring results for varroa, nosema, and tracheal mites. The
goal of ORHBS hygienic breeders is to obtain hygienic results above 95%. The TTP additionally provide queen quality testing to access the mating and sperm viability of queens, allowing queen producers to obtain data on their mating quality. The TTP worked closely with the OBBA to develop the current ORHBS program and has recently published a standard by which members, as part of the program, use to identify breeding criteria, perform consistent collect data, and make accurate evaluation and selections.

The establishment of the TTP, and their direct involvement with beekeepers, has provided opportunities to perform applied research projects that give beekeepers practical information on best management practices and address issues facing beekeepers as they arise. Projects range from testing novel products for use in improving honey bee health, nutrition for honey bees used for pollination services, and BMPs for new invasive pests, to the adoption of new technology, such as their new Bee Yard Manager App. All of this work is performed in collaboration with industry, academia, and government to unify the skills and knowledge from all levels that feeds into the TTP’s ability to provide accurate information and updates for published best management practices and recommendations.

The drive that the TTP team has, to keep up with the high demand for beekeeping education and provide projects to improve recommendations to maintain honey bee health and pollination services, comes from their strong link to agriculture and passion for beekeeping. Not only are they technical specialists, but they also keep their own colonies in order to ensure they speak from experience and can truly apply what they preach. People often ask how the TTP team is able to keep up the energy and drive to provide such a wide range of services, information, and put in the hours to provide beekeepers with answers to their unique positions and needs. There is no doubt that they receive a great amount of support from local beekeepers, beekeeping associations, and the province as a whole; this continued show of appreciation is what motivates the TTP to continue its work.

Over the years, the TTP has trained and seen many skilled technicians move through the program to become leaders in their own right. These alumni of TTP, distributed throughout the Ontario, Canadian and international beekeeping industries, continue to provide leadership and education to many new beekeepers and industry stakeholders. The current TTP is lead by Les Eccles who depends on his tight team of technical specialists: Melanie Kempers, Daniel Thurston, Raquel Mijares González, Daniel Borges, and their accompanying 2015 summer students Maria Kolkman and Kelsey Ducsharm.

EAS 2015 at the University of Guelph, Ontario Canada, will provide an up-close experience, working with TTP specialists and others they have brought in from across Canada to teach the beginner beekeeper, IPM, and Queen rearing short courses. Attendees should take the opportunity to ask questions and dig for information from this unique resource of beekeeping specialists. That’s what we’re here for.

Les Eccles and the Ontario Tech Transfer Team will be running the EAS Short Course and assist Ernesto Guzman during the Conference at the University of Guelph, August 10-14. If you see Les, he just might offer you a free queen—or, more likely, recommend that you attend the Thursday night queen auction to bid on one of the finest queens in the world.

Les Eccles artificially inseminates a queen with his bare hands -- no not really. Perhaps, he is just marking a quality mated Ontario queen.
2015 EAS Foundation for Honey Bee Research Grant

The competition for the EAS Foundation for the Honey Bees Research Grant was highly competitive this year, with twelve high-quality proposals. After lengthy deliberations, we are pleased to announce that a research team from the University of Delaware is the 2015 recipient of the $7,000 grant. Mrs. Kathleen Evans and Dr. Deborah Delaney have been selected for their proposal, titled “Evaluation of late-summer splits on varroa mite reduction and colony productivity.” The committee recognized their request as worthy of funding in our annual effort to recognize and support bee research using funds from the EAS Honey Bee Research Foundation.

Katie Evans is a finishing MS student in Entomology & Wildlife Ecology at the University of Delaware, after having received her MS in Zoology at the University of Florida. Her thesis work has focused on IPM and non-chemical controls of varroa mites, a subject of fundamental importance to the EAS beekeeping community. Dr. Delaney, Katie’s Master’s Advisor, is an Assistant Professor in the Department of Entomology & Wildlife Ecology. She is a leading authority on the population genetics of managed and feral honey bees, providing significant insights into how we can achieve sustainable beekeeping by harnessing the power of genetics. She also has a stellar reputation as an extension apiculturist, providing a wide array of presentations and workshops on a diversity of subjects.

The committee was compelled by the impact of varroa on honey bee health, and the means to manage them sustainably. The use of applied synthetic acaricides are increasingly falling out of favor among many small-scale beekeepers, placing a great onus on the beekeeper to keep their colonies healthy and thriving. Doing nothing, in light of the varroa threat and colony death, is not an option. But, there are management techniques (often requiring significant time or labor) that can help mitigate mite population. Timely splitting, particularly later in the season so that the mite population cannot recover, shows great promise in promoting colony productivity while reducing mite load. Moreover, the project will develop and foster the citizen-science initiative Bugonia.com, which enables beekeeper participants to track their own results and compare them to others in their area.

Congratulations to Kathleen and Deborah—EAS is pleased to support their study. We look forward to practical results and recommendations to control this threat to our industry.

Roger A. Morse Outstanding Teaching/Extension Service/Regulatory Award Supported by Anita Weiss Foundation

Dr. Medhat Nasr

Medhat Nasr is the Alberta Provincial Apiculturist in the Crop Research and Extension Division, Alberta Agriculture and Rural Development, Edmonton, Alberta, Canada. His responsibilities include regulatory, research, and extension. His research program is focused on honey bee health management including breeding, pest surveillance, biosecurity and integrated pest management. He earned his doctoral degree at University of California, Davis, California, University of Guelph, Lead of Ontario Beekeepers –Tech Transfer Program, and Assistant Extension Professor at Rutgers University, NJ, USA.

The Award Committee based their decision on Medhat’s work over two decades of research, teaching, and extension as Tech Transfer Apiculturist with the Ontario Beekeepers’ Association, Extension Specialist at Rutgers University, and most recently as Alberta Provincial Apiarist.

Please join us in awarding the Roger Morse Award Supported by Anita Weiss Foundation to Medhat Nasr at EAS Ontario.
Ernesto Guzman is a Professor and Director of the Honey Bee Research Centre in the School of Environmental Sciences at the University of Guelph in Ontario Canada. He started to keep bees in 1978, got a DVM degree in 1982 and obtained M.Sc. and Ph.D. degrees in Entomology from the University of California at Davis in 1989 and 1992, respectively. Dr Guzman has worked for several research and academic institutions in Mexico, USA and Canada. Dr. Guzman has taught courses in Apiculture and Genetics and has conducted multiple research projects. His research has focused on genetics, behavior, and parasites of honey bees. His studies have contributed to the understanding of foraging behavior, defensive behavior, and the mechanisms that confer resistance to honey bees against parasitic mites, which is a critical area that addresses the most serious problem beekeepers face worldwide. Dr. Guzman also developed selective breeding methodologies with which strains of bees have been bred for honey production and low defensive behavior. Ernesto Guzman is author and co-author of more than 300 publications, including scientific and trade journal articles, as well as books, book chapters and summaries in conference proceedings. Dr. Guzman has received numerous honors and awards.

Dr. Ernesto Guzman has been selected to receive the James Hambleton Award at EAS Ontario at the University of Guelph. Ernesto received the EAS Student Award in 1992 and this year is organizing the EAS Conference speakers and program at the University of Guelph. When you see Ernesto, please thank him for all that he has done for EAS, the Ontario Beekeepers’ Association, and the beekeeping community.

*Tip: When moving hives, load the colonies with the entrances facing each other. That way bees cluster only on the front surfaces of the hive and you can handle the hives by the sides and back with minimal stinging.

Obviously, bottom board design is not one of the most burning issues of beekeeping today. But, if you happen to be replacing your bottom boards this winter, you might want to consider building them to fit flush with the brood chamber. Long bottom boards can be trimmed shorter on the table saw after nails in the line of the saw cut are removed. Use cheaper carbide tipped skill saw blade on the table saw, just in case you miss removing the odd nail. We construct our bottom boards using 1 5/8” x 3/4” pine for the rims and 1/2” thick select fir plywood for the floor. After they are glued, and nailed with galvanized nails, we soak them in hot paraffin to extend their lifespan.

Paul Kelly will be providing bees for the EAS Short Course and Conference held at the University of Guelph, August 10-14. If you see Paul, he just might offer to show you the honey house and indoor hive over wintering facility at Townsend House, just on the other side of the Campus Arboretum.

Originally Published in the Ontario Bee Journal.
Andony Melathopoulos is in the final semester of his Interdisciplinary PhD at Dalhousie University in Halifax, Nova Scotia. Using lowbush blueberry pollination in Atlantic Canada as a model, Andony’s research focuses on the broader question of how the activity of insect pollinators figures into agricultural production on a global scale. His graduate work has been featured at international forums such as the International Conference on Global Food Security and Ecosummit and published in journals such as the Annals of Applied Biology and Ecological Economics. Most recently he co-authored a book with the U.S. Sociologist Alex Stoner on environmental politics in the twentieth century.

Formerly he was the chief technician at the Agriculture and Agri-Food Canada apiculture research station in Beaverlodge, Alberta, where he worked under Stephen Pernal on projects related to bee breeding and the management of American foulbrood, nosema, and varroa mites.

He completed his Masters research at Simon Fraser University under Mark Winston on alternative pesticides for the control of parasitic mites and brood diseases.

Andony has also run a small nuc producing business in Alberta, operating up to 70 colonies out the back of his station wagon. He helped establish Dalhousie University’s Modern Beekeeper Short Course, which is now in its third year, and put together courses designed to help blueberry and apple growers increase bee habitat around their farms. He has spoken to beekeepers from the depths of downtown Chicago, to the heart of Kentucky, to furthest reaches of Northern Alberta and Vancouver. He has authored over thirty articles for beekeeping magazines in Canada, the US, and Europe.

For all of his hard work and support for the beekeeping industry, Andony Melathopoulos will receive the EAS Student Apiculture Award at EAS Ontario. Be sure to congratulate him there.

On Tuesday evening, tour the largest beekeeping store in Eastern Canada. The Guelph location for Propolis-Etc... will be hosting a social gathering for 2015 EAS participants. Attendees will be treated to a BBQ dinner, so come and have a free dinner on us!

Propolis-etc...
Beekeeping Supplies
Housing Options for EAS 2015

On Campus Accommodation

Dormitory Rooms

Traditional Residence Rooms
The Traditional Residences have either single (one twin bed) or double (two twin beds) rooms. Shared bathroom facilities are available per floor. These rooms are not air-conditioned.

East Village Townhouses
The East Village Townhouses have three floors. The ground floor has a kitchen (including stove and fridge, dishes, cutlery, etc. are not included) and living room. The first floor has two bedrooms (each with one twin bed) along with one shared bathroom. The second floor also has two bedrooms with one shared bathroom. Guests may choose to book an entire townhouse or decide to share a townhouse with up to three other guests. Each person will have a separate bedroom. Townhouses are the only residence equipped with central air-conditioning.

Daily housekeeping service is provided for Townhouse Rooms. This includes making the bed, emptying the garbage can and replacing towels. Your bed linens will be changed once per week.

On Campus Amenities
All on campus rooms include:
- single/twin beds (linens are provided)
- a small towel (it is recommended that you bring an extra towel)
- shared washroom facilities
- free parking

Room Booking Notes
If you wish to lodge with a specific person(s), please include the name(s) when you complete your accommodation registration. If you choose a Traditional student room, you will automatically be paired up with another conference student of the same gender unless you specify a roommate. All rates are quoted per person, per night and each individual must register and pay for their part of the room.

Dormitory Key Charge
Attendees will be issued a voucher confirming that their keys have been returned upon check-out. A $75.00 charge will apply to anyone who does not return their keys.

Bed & Breakfast Accommodation

You will receive a continental breakfast for each morning of your stay. More information will be provided at check-in. Rates are in Canadian dollars.

Accommodation Only

<table>
<thead>
<tr>
<th>RATE PER NIGHT PER PERSON</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traditional Single Room ............................................. $ 73.10</td>
</tr>
<tr>
<td>Traditional Double Room (Single Occupancy) - Early Bird........................... $ 65.75</td>
</tr>
<tr>
<td>Traditional Double Room for Students Room (Single Occupancy) - Early Bird........................... $ 49.65</td>
</tr>
<tr>
<td>Townhouse Room For 1-2 ppl. (Single Occupancy) - Early Bird........................... $121.00</td>
</tr>
<tr>
<td>Townhouse Room For 3-4 ppl. (Single Occupancy) - Early Bird........................... $108.00</td>
</tr>
</tbody>
</table>

Please book dormitory room accommodations directly with the University of Guelph at http://events.uoguelph.ca/ei/get-demo.ei?id=243&s=0U40WYWDR or call (519) 824-4120 ext 52845.

Hotels

- When contacting hotels be sure to mention that you are attending EAS.
- Hotels often sell out for EAS so be sure to book early. The rates are in Canadian dollars.
- You must book before July 9, 2015 to get the discount rates.

Best Western Royal Brock Hotel
http://book.bestwestern.com

716 Gordon Street
Guelph, Ontario, N1G 1Y6, CA
Phone: 519/836-1240
Toll Free Reservations: 800-780-7234

Enjoy convenient access to the University of Guelph, Sleeman Centre, OMAFRA and Guelph Arboretum while staying at this Guelph, Ontario hotel. Welcome to the BEST WESTERN PLUS Royal Brock Hotel & Conference Centre where the service is friendly, the amenities are top-notch, the location is unbeatable and the accommodations are comfortable and affordable. Guests staying at this Guelph Best Western hotel will enjoy well-appointed guest rooms featuring cable satellite television, refrigerator and free high-speed Internet access. Guests are greeted with a complimentary hot breakfast every morning. The BEST WESTERN PLUS Royal Brock Hotel & Conference Centre provides a complimentary weekday newspaper and features an outdoor swimming pool with sun deck and free parking.

When making your reservation mention the code ‘EAS Beekeepers’ to get rates starting at $93.99 (Canadian) per room, per night, plus applicable taxes. You must book before July 9, 2015.
Housing Options for EAS 2015, continued

**Days Inn Guelph**
http://www.daysinn.ca

785 Gordon St. Hwy 401 exit 299
Guelph, On N1G 1Y8 CA
Tel 1-519-822-9112

Located in Guelph, Days Inn - Guelph is convenient to University of Guelph and Alumni Stadium. This eco-friendly hotel is within close proximity of Macdonald Stewart Art Centre and Stone Road Mall. Make yourself at home in one of the 87 air-conditioned guestrooms. Complimentary wireless Internet access keeps you connected, and satellite programming is available for your entertainment. Bathrooms feature shower/tub combinations, complimentary toiletries, and hair dryers. Conveniences include complimentary newspapers and coffee/tea makers, as well as phones with free local calls. A complimentary continental breakfast is served daily. Featured amenities include express check-in, express check-out, and complimentary newspapers in the lobby. Free self parking is available onsite.

When making your reservation mention the code ‘EAS Beekeepers’ to get rates starting at $89.00 (Canadian) per room, per night, plus applicable taxes. You must book before July 9, 2015.

**Delta Inn**

50 Stone Road West
Guelph, ON N1G 0A9
Phone: 519-780-3700
Fax: 519-824-1023
Reservations: 888-890-3222

Situated in the University of Guelph Research Park, on the campus of the University of Guelph, Delta Guelph Hotel and Conference Centre offers a convenient central Guelph location. Easy access to Guelph’s major employers, The Cooperators, Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA), Linamar and Sleeman Breweries. A short walk or drive to the 140-store Stone Road Mall or Canada’s largest outdoor sculpture park, The Macdonald-Stewart Art Centre. Enjoy the modern comforts of our large banquet and conference facilities, and dine at a locals’ favorite; Fifty West Restaurant and Bar.

Guests also enjoy easy access to Waterloo Regional International Airport (YKF) and only a 45 minute drive to Toronto Pearson International Airport (YYZ) via the 401. Reserve your stay today in one of our 148 modern guest rooms and extended-stay suites, and discover the convenience and style of our Guelph hotel.

When making your reservation mention the code ‘UOFGBEE15’ to get rates starting at $135.00 (Canadian) per room, per night, plus applicable taxes. You must book before July 9, 2015.

**Holiday Inn Guelph Hotel & Conference Centre**
http://www.higuelph.ca/

601 Scottsdale Drive – Guelph – Ontario – N1G 3E7
Phone: (519) 836-0231 Fax: (519) 836-5329
E-mail: reservations@holidayinnguelph.ca

The only full service hotel in Guelph with a large heated indoor pool and free parking! Our Guelph hotel is only minutes away from downtown Guelph. A short distance from the University of Guelph campus, Linamar, Monsanto Mandel Scientific, Cargill, Nestle Waters, OMAFRA, Syngenta, CFIA, Semex, Eli Lily, The Cooperators, Sleeman Breweries and Denso. Located adjacent to Stone Road Shopping Centre.

When making your reservation mention the code ‘EAS’ to get rates starting at $109.99 (Canadian) per room, per night, plus applicable taxes. You must book before July 9, 2015.

**Camp Sites**

Camping sites are listed at Guelph Lake Conservation Area, www.grandriver.ca/index/document.cfm?Sec=44&Sub1=0&sub2=0

The GRCA offers unparalleled camping experiences at eight of twelve Grand River Parks. Experience the best the Grand River watershed has to offer!

Campsites are available on a daily, monthly, or seasonal basis. Reserving ahead is a good idea for holiday weekends or for your camping vacation. At some areas there are premium riverside campsites and radio-free campsites. Parks are open from May 1 to October 15. Pools at Byng Island and Brant Park open in mid-June.

Reserve your campsite online at www.grcacamping.ca/Web or phone 1-877-558-GRCA (4722).

**Parking**

Parking for attendees who stay overnight in the dorms is included in the accommodation rates. Residents will receive a GREEN parking pass and may park in P19 (North residences), P17 (East residences and Townhouses) or P13 (South residences).

If you are staying in one of the hotels, it is suggested that you walk from the hotel to save on parking. But if you need to drive to campus, the parking cost is $9.00 per day (including tax) or $36.00 per week (including tax). Parking permits are required Monday through Friday, from 8:00am to 5:00pm. An ORANGE conference parking pass entitles visitors to park in lots P13, P14, P15, & P19. Parking permits can be purchased at the registration desk.

Please note that the parking passes must be displayed on the vehicle’s dashboard.
### 2015 EAS SHORT COURSE, Monday, August 10, 2015 (Subject to Change)

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:45 - 7:45 AM</td>
<td><strong>Yoga for everyone</strong> @ W.F. Mitchell Building (Athletic Centre) Range Room</td>
</tr>
<tr>
<td>7:00 - 8:00 AM</td>
<td><strong>Breakfast</strong> @ University Centre Food Court</td>
</tr>
<tr>
<td>8:00-8:30 AM</td>
<td><strong>Welcome to Eastern Apicultural Society and University of Guelph</strong> @ Rozanski Hall</td>
</tr>
</tbody>
</table>

#### Queen Rearing Workshop (Hosted by Tech Transfer Specialists)
- Rozanski 107

#### Beginners Intro to Beekeeping (Hosted by Tech Transfer Specialists)
- Rozanski 105

#### Integrated Pest Management Workshop (Hosted by Tech Transfer Specialists)
- Rozanski 103

#### Advanced Beekeeping
- Rozanski 102

#### Advanced Beekeeping (Lab Session)
- Graham Hall 3309

#### Train-the-Trainer
- MacKinnon 107

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 - 9:15 AM</td>
<td>Welcome and introductions, queen and drone biology, queen rearing equipment, queen and nuc regulations</td>
</tr>
<tr>
<td>9:15 - 10:00 AM</td>
<td>Protocol for rearing queens, record keeping, timing</td>
</tr>
<tr>
<td>10:00-10:15 AM</td>
<td><strong>Coffee Break</strong> @ Rozanski Hall</td>
</tr>
<tr>
<td>10:15 - 11:00 AM</td>
<td><strong>Yard Session</strong></td>
</tr>
<tr>
<td>11:00 - 11:45 AM</td>
<td><strong>Yard Session</strong></td>
</tr>
<tr>
<td>11:45 - 1:00 PM</td>
<td><strong>Lunch</strong> @ University Centre Food Court</td>
</tr>
</tbody>
</table>

#### Advanced Beekeeping
- Rozanski 107

#### Beginners Intro to Beekeeping
- Rozanski 105

#### Advanced Beekeeping
- Rozanski 106

#### Advanced Beekeeping
- Rozanski 102

#### Master Beekeepers
- MacKinnon 107

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00 - 1:45 PM</td>
<td><strong>Apiculture in Ontario</strong> Paul Kozak</td>
</tr>
<tr>
<td>1:45 - 2:30 PM</td>
<td>With a commercial orchard design like this, who needs to rent bees? Stefan Sobkowiak</td>
</tr>
<tr>
<td>2:30 - 2:45 PM</td>
<td><strong>Coffee Break</strong> @ Rozanski Hall</td>
</tr>
<tr>
<td>2:45 - 3:30 PM</td>
<td><strong>Niagara College Commercial Beekeeping Program</strong> Al Unwin</td>
</tr>
<tr>
<td>3:30 - 4:15 PM</td>
<td><strong>Talk on bee management TBA</strong></td>
</tr>
<tr>
<td>4:30 - 5:30 PM</td>
<td><strong>Beekeeping Olympics</strong> @ Bee Yard</td>
</tr>
<tr>
<td>5:30 - 9:00 PM</td>
<td><strong>Dinner @ local restaurants</strong> (check sponsoring establishments)</td>
</tr>
</tbody>
</table>
### 2015 EAS SHORT COURSE Tuesday, August 11, 2015 (Subject to Change)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:45 - 7:45 AM</td>
<td>Yoga for everyone @ W.F. Mitchell Building (Athletic Centre) Range Room</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:00 - 8:00 AM</td>
<td>Breakfast @ University Centre Food Court</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Starts 7:30 AM</td>
<td>Registration @ Rozanski Hall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:30 - 9:15 AM</td>
<td>Stock selection and breeding</td>
<td>American foulbrood diagnosis and management Steve Pernal</td>
<td>Treatments</td>
</tr>
<tr>
<td>9:15 - 10:00 AM</td>
<td>Yard Session Station #1 Frame selection and grafting</td>
<td>Romek disease, biology and control Daniel Borges</td>
<td>OBA Tech Transfer Program</td>
</tr>
<tr>
<td>10:00 - 10:15 AM</td>
<td>Starts 7:30 AM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00 - 10:15 AM</td>
<td>Lunch @ University Centre Food Court</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:15 (pm) - 11:00 AM</td>
<td>Break with vendors @ Peter Clarke Hall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:15 (pm) - 11:00 AM</td>
<td>Yard Session Station #1 Frame selection and grafting</td>
<td>Romek identification lab session Pierre Giovenazzo &amp; Daniel Borges</td>
<td>Yard Session Station #1 Oxalic Acid, Thymovar Station #2 Formic Acid, MAQS™ Station #3</td>
</tr>
<tr>
<td>11:00 - 11:45 AM</td>
<td>Yard Session Station #2 Preparation of cell bars, grafting frames, queen cages and queen candy</td>
<td>Romek identification lab session Pierre Giovenazzo &amp; Daniel Borges</td>
<td>Antibiotics, Fumiglin-B Station #4 Apistan©, Checkmite + TM, ApiVar®</td>
</tr>
<tr>
<td>11:45 - 12:30 PM</td>
<td>Lunch @ University Centre Food Court</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00 - 1:45 PM</td>
<td>Extra grafting practice time</td>
<td>Pesticides and basic toxicology Cynthia Scott-Dupree</td>
<td>When beekeeping goes bad Phil Craft</td>
</tr>
<tr>
<td>1:45 - 2:30 PM</td>
<td>The immune system of honey bees Paul Goodwin</td>
<td>From the flower to the cell: Making nectar into honey Dennis vanEngelsdorp</td>
<td>Improving bee management: Pest surveillance and biosecurity Medhat Nasr</td>
</tr>
<tr>
<td>2:30 - 2:45 PM</td>
<td>Break with vendors @ Peter Clarke Hall</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:45 - 3:30 PM</td>
<td>Honey bee pathology Stressor effects and honey bee defenses Geoff Williams</td>
<td>Honey bee pathology Q&amp;A session Phil Craft</td>
<td>Residues in hive and honey products Steve Pernal</td>
</tr>
<tr>
<td>3:30 - 4:15 PM</td>
<td>Small hive beetle Les Eccles</td>
<td>“Ask Dr. Phil” Q&amp;A session Phil Craft</td>
<td>The antimicrobial properties of honey Karol Mathews</td>
</tr>
<tr>
<td>5:30 - 6:00 PM</td>
<td>Dinner @ local restaurants (check sponsoring establishments)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5:30 - 9:00 PM</td>
<td>Propolis, Etc… BBQ and Social (free but requires preregistration) 367 Michener Road, Guelph, ON</td>
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<td></td>
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</tbody>
</table>
### EAS 2015 GENERAL CONFERENCE -Wednesday, August 12, 2015 (Subject to Change)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>6:45 - 7:45 AM</td>
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<tr>
<td>8:00 - 7:45 AM</td>
<td>Registration @ Rozanski Hall</td>
</tr>
<tr>
<td>Rozanski 104</td>
<td>8:00 - 8:30 AM Chair and President’s Welcome</td>
</tr>
<tr>
<td>Rozanski 104</td>
<td>8:30 - 9:30 AM Keynote speaker: Mark L. Winston “Value or values: Audacious ideas for the future of beekeeping”</td>
</tr>
<tr>
<td>Rozanski 104</td>
<td>10:30 - 11:00 AM Break with vendors @ Peter Clarke Hall</td>
</tr>
<tr>
<td>Rozanski 104</td>
<td>11:00 - 11:45 AM Presentation of Hambleton Award to Dr. Ernesto Guzman</td>
</tr>
<tr>
<td>Rozanski 104</td>
<td>11:45 - 1:00 PM Lunch (EAS Board Meeting) @ University Centre Food Court</td>
</tr>
</tbody>
</table>

#### Pesticide and Bee Health Theme
- **Rozanski 101**: Field studies examining exposure and effects of neonicotinoids on bee health
  - C. Scott-Dupree

#### Biology, Pollination, & Agriculture Theme
- **Rozanski 102**: The legacy of early nutritional stress for honey bee foragers
  - H. Mattila

#### Best Management Practices Theme
- **Rozanski 103**: Creating forest-based keepership corridors
  - T. Horn

#### Hive Products and Beekeeping Development Theme
- **Rozanski 104**: Antibacterial and antioxidant activity of Canadian honeys: Main components and their mode of action
  - K. Brudzynski

#### Queen Rearing Workshop
- **Rozanski 105**: Cell starter to cell finisher

#### Master Beekeepers
- **Field Exam**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>1:00 - 1:30 PM</td>
<td>Field studies examining exposure and effects of neonicotinoids on bee health</td>
</tr>
<tr>
<td>1:30 - 2:00 PM</td>
<td>Health of honey bee reproductives: Effects of parasites and pesticides on drones and queens</td>
</tr>
<tr>
<td>2:00 - 2:30 PM</td>
<td>Honey bee stressor interactions: Nosema and pesticides, from the laboratory to the field</td>
</tr>
<tr>
<td>2:30 - 3:00 PM</td>
<td>Break with vendors @ Peter Clarke Hall</td>
</tr>
<tr>
<td>3:00 - 3:30 PM</td>
<td>Effects of neonicotinoids and varroa on honey bee health</td>
</tr>
<tr>
<td>3:30 - 4:00 PM</td>
<td>Clothianidin in corn and impact on bee survival, foraging and honey production</td>
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<tr>
<td>4:00 - 4:30 PM</td>
<td>Pesticides, parasites, pollinators: Impacts of environmental stressors on bees</td>
</tr>
<tr>
<td>4:30 - 5:00 PM</td>
<td>A season long study of pesticide exposure in Ontario and Quebec</td>
</tr>
<tr>
<td>5:00 - 7:30 PM</td>
<td>Dinner at local restaurants (check sponsoring establishments)</td>
</tr>
<tr>
<td>Rozanski 104</td>
<td>7:30 - 9:00 PM Panel Discussion - Emerging Issues in Pollinator Health</td>
</tr>
</tbody>
</table>
## EAS 2015 GENERAL CONFERENCE - Thursday, AUGUST 13, 2015 (Subject to Change)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:45 - 7:45 AM</td>
<td>Yoga for everyone @ W.F. Mitchell Building (Athletic Centre) Range Room</td>
</tr>
<tr>
<td>7:00 - 8:00 AM</td>
<td>Breakfast @ University Centre Food Court</td>
</tr>
<tr>
<td>Starts 8:00 AM</td>
<td>Registration @ Rozanski Hall</td>
</tr>
<tr>
<td><strong>BUSES LEAVE AT 9:00 AM</strong></td>
<td>Tech Tour (meet buses at P14 Lot on East Ring Rd) Niagra College, Parker Bee Apiaries, Butterfly Conservatory, and Niagara Falls Lunch on Tour</td>
</tr>
<tr>
<td>5:30 - 9:30 PM</td>
<td>Dinner and Social at John and Alison Van Alten’s Farm with Live Music and Queen Auction Dutchman’s Gold and Tuckamore Bee Company</td>
</tr>
</tbody>
</table>

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### We would like to thank

TECH TRANSFER SPECIALISTS

for hosting

Queen Rearing,

Beginners Intro to Beekeeping and

Integrated Pest Management Workshops

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ez-pry.com

Available in major beekeeping catalogues and local shops across the globe.
6:45 - 7:45 AM Yoga for everyone @ W.F. Mitchell Building (Athletic Centre) Range Room

7:00 - 8:00 AM Breakfast @ University Centre Food Court

Starts 8:00 AM Registration @ Rozanski Hall

Rozanski 101 8:30 - 9:15 AM Presentation of Student Award and Conference to Andony Melathopoulos

Rozanski 101 9:15 - 10:00 AM Presentation of Roger Morse Award and Conference to Dr. Medhat Nasr

10:00 - 10:30 AM Break with vendors @ Peter Clarke Hall

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Speaker/Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 - 10:45 AM</td>
<td>Impact and control of honey bee viruses current and future approaches</td>
<td>Rozanski 102</td>
<td>Rob Currie</td>
</tr>
<tr>
<td>10:45 - 11:00 AM</td>
<td>Responses of bees against mites and viruses</td>
<td>Rozanski 103</td>
<td>Mollah Hamiduzzaman</td>
</tr>
<tr>
<td>11:00 - 11:30 AM</td>
<td>The use of genomic tools for honey bee health</td>
<td>Rozanski 101</td>
<td>Brock Harpur</td>
</tr>
<tr>
<td>10:30 AM - 11:00 AM</td>
<td>Virus, Immunity, and Genetics Theme</td>
<td>Rozanski 102</td>
<td>Rozanski 103</td>
</tr>
<tr>
<td>Noon - 1:00 PM</td>
<td>Lunch (EAS Life Members Banquet) @ University Centre Food Court</td>
<td>Rozanski 102</td>
<td>Rozanski 103</td>
</tr>
</tbody>
</table>

1:00 - 1:30 PM Virulence factors from Paenibacillus larvae, the cause of AFB | Rozanski 102 | Paul Goodwin |

1:30 - 2:00 PM The immune system of honey bees | Rozanski 102 | Paul Goodwin |

2:00 - 2:30 PM Natural immunity and resistance of honey bees to nosema disease | Rozanski 102 | Pegah Valizadeh |

2:30 - 3:00 PM Break @ Peter Clarke Hall

3:00 - 3:30 PM Effect of miticides on bee health and behavior | Rozanski 102 | Hanan Gashout |

3:30 - 4:00 PM Drivers of colony health: Disease, chemicals, and nutrition...oh, my! | Rozanski 102 | Dennis vanEngelsdorp |

4:00 - 4:30 PM Talk on bee diseases TBA | Rozanski 102 | TBA |

4:30 - 5:00 PM National honey bee health survey in Canada: First year results | Rozanski 102 | Carlos Castillo |

6:00 - 9:30 PM Banquet and Award Ceremony @ Creelman Hall
Call to order: Chairman Jim Bobb presided over the fall Board of Director's Meeting at Guelph University, Guelph, Ontario November 15, 2014 at 6 pm Eastern Standard Time by Teleconference.

Introductions, welcome and guest: Jim Bobb welcomed all and introduced Paul Kozak, Provincial Apiarist, Ontario Ministry of Agriculture.

States/provinces in good standing:
Valid through 9/2015: AL, CT, DE, NY, ME, NJ, NC, PA, VT, VA, WV, RI, KY, NH.
Valid through 9/2016: MD, MA, OH.

Roll Call
At the University of Guelph, Ontario site, Jim Bobb, Chairman; Loretta Surprenant, Secretary; Andre Flys, President; Doug McRory, ON; Joel Leberge, QC.

Roll Call On Teleconference: Kent Williams, Vice Chairman; Tammy Horn, Past President; Jeff Burd, Vice President Interim; Mary Duane, MA; Ann Zudekoff, VA; Julian Wooten, NC; Bob Talkiewicz, NY; Vincent Aloyo, PA; David Meldrum, MA; David Mendes, FL; Carol Cottrill, ME; David Burns, IL; Debbie Seib, IN; Paul Dill, DE; Tim McMahon, MD; Erin MacGregor Forbes, ME; Maureen Pearson, Treasurer Elect.

Absent: John Tulloch, Treasurer, Pro Tem; Bill Miller, AL, John Baker, CT; Kim Flottum, Past Chairman; Lani Basberg, KY; Martin Marklin, NH; Randy Fair, LA; Art Potter, MS; Mike Palmer, VT; Peggy Garnes, OH; Buddy May, SC; Charles Walter, WV; Celeste Nadworny, RI; Mary Cahill Roberts, GA; Landi Simone, Master Beekeepers.

Guest: Paul Kozak, Provincial Apiarist, Ontario Ministry of Agriculture.

Election of Officers
A motion was moved by Paul Dill and seconded by Jeff Burd to approve the nomination of Debbie Seib as the EAS director from Indiana. Twenty-two voted in favor of the motion. Zero opposed. Motion passed.

A motion was moved by Tammy Horn and seconded by Paul Dill to approve the nomination of Tim McMahon as the EAS director from Maryland, replacing Janet Bardzik. Twenty-two voted in favor of the motion. Zero opposed. Motion passed.

Secretary’s Report: Loretta Surprenant
Approval of summer Board of Director’s Minutes: Paul Dill moved and seconded by Bob Talkiewicz to accept the July 30, 2014 Kentucky summer Board of Director’s Minutes as distributed. Twenty-two voted in favor of the motion. Zero opposed. Motion carried.

Approval of August 1, 2014 Annual Business Minutes: Paul Dill moved and seconded by Jeff Burd to accept the August 1, 2014 Annual Business Minutes as distributed. Twenty-two voted in favor of the motion. Zero opposed. Motion carried.

Treasurer’s Report: John Tulloch (absent)
Jim Bobb presented the report in the absence of John Tulloch.

The treasurer distributed the income statement along with a copy of the Society’s Balance Sheet, showing the Assets in balance with Liabilities and Equity. There were no comments or questions regarding the Balance Sheet report.

Bob Talkiewicz moved and seconded by Paul Dill to accept the treasurer’s report pending audit. Twenty-two voted in favor of the motion. Zero opposed. Motion carried.

Chairman’s Report: Jim Bobb
Jim Bobb spoke about EAS’ Mission Statement which is governed by 4 documents:
- Constitution
- By-Laws
- Policy & Procedures
- Robert Rules of Order.

He asked all directors to help promote EAS and the conference. Directors were asked to help with the EAS Journal.

The Executive Committee has been very active and meets the first Sunday of every month.

Carol Cottrill will chair the Master Beekeeper’s Certification Committee and Dave Tarpy will chair the Honey Bee Research Fund for 2014-2015.

We have been working to find a new treasurer and are pleased to present Maureen Pearson’s name in nomination.

Chairman Nomination Time Line:
The election procedures are documented in the Chairman P&P. Some questions regarding the time frame of the election processes have been presented.
The Chairman Search Committee is prepared to present a slate of candidates at this board meeting. This means that the time frame of the election process must be adjusted from the process approved in the P&P.

Therefore, we need to change the dates for the election procedures for this election cycle as follows:

Due:
- 12/15/2014 Questions from Board Members for candidates
- 01/23/2015 Strategic Plan from Candidates
- 01/23/2015 Answers to Questions submitted by Board Members
- Winter BOD Candidate Presentation to Board and Q&A
- Winter BOD Election of EAS Chairman for 2015-2019

Doug McRory moved and seconded by Jeff Burd to accept the Chairman’s time line. Twenty-two voted in favor of the motion. Zero opposed. Motion carried.

Nomination and interview of Maureen Pearson as EAS Treasurer:
The Executive Committee and John Tulloch interviewed Maureen Pearson and voted to present Maureen Pearson’s nomination as the new Treasurer to the EAS Board of Directors. Each director had the opportunity to interview Maureen Pearson.

Erin MacGregor Forbes moved and seconded by Jeff Burd to accept Maureen Pearson as the EAS Treasurer. Twenty-two voted in favor of the motion. Zero opposed. Motion carried.

EAS Secretary: Carol Cottrill has agreed to be nominated for EAS Secretary, when Loretta Surprenant retires at EAS 2015 Ontario.

Chairman Search Committee Nominations for 2015:
David Mendes presented the nominations of Kent Williams from Kentucky and Erin MacGregor Forbes for EAS Chairman.

Paul Dill moved and seconded by Tammy Horn to accept the slate presented by David Mendes. Twenty-two voted in favor of the motion. Zero opposed. Motion carried.

Kent Williams withdrew his nomination due to other commitments. Erin MacGregor Forbes was asked to submit a plan to lead EAS forward and to follow the timeline outlined above.

Special thanks were given to David Mendes, Dewey Caron, and the other Search Committee Members.

Past President’s Report: Tammy Horn
The EAS 2014 KY Annual Conference was a financial success, as well as very educational.

Tammy Horn recommended that EAS consider the invitation to become a member of the recently-formed Honey Bee Health Coalition. Tammy attended the preliminary meeting in December 2013 and the Fall Meeting on October 28-30, 2014 in Minneapolis.

The Coalition focuses on four target areas—Forage, Crop Pest Management, Hive Management, and Outreach—that are defined in the Roadmap.

The Roadmap also defines future steps, and Tammy thinks these steps will benefit EAS members greatly, not only by keeping lines of communication open to the recent research but by keeping beekeepers “visible” among the agricultural industries that are also members of the Honey Bee Health Coalition.

Both times she has participated at Coalition meetings, she was impressed by the variety of agricultural industries invited to be members such as the soybean industry, the almond industry, the canola industry, and the corn industry.

These, in addition to nonprofits and federal government agencies, make for compelling conversations and awareness. There are no membership dues at this time, so she does not see a “downside” for EAS to become a member.

Mary Duane moved and seconded by Paul Dill to become a member of the recently-formed Honey Bee Health Coalition. Twenty-two voted in favor of the motion. Zero opposed. Motion carried.

Tammy Horn recommended that 2015 EAS budget include $1000-$1200 for expenses to attend the Honey Bee Health Coalition.

President’s Report: Andre Flys
EAS 2015 Ontario will be held August 10–15, 2015 at the University of Guelph in Guelph, Ontario. A contract is being prepared for signature. They will need to work with vendors and customs to get their wares through the border. The speakers list is being confirmed. Everyone will need a passport so you need to prepare early. If you plan to use your cell phones, be sure to get a Canadian phone plan. Hotels have been reserved for the EAS Conference.

On Thursday, the Conference will be held offsite at a commercial beekeepers. There will also be tours to Niagara Falls and Rosewood Estate Winery.

Vice President’s Report: Jeff Burd
A site visit has taken place at the Stockton Seaview Hotel & Golf Club, near Atlantic City, NJ. This is a four star site and is easy to get to. Pricing is reasonable and there are still details that need to be worked out. We have also checked out Princeton University and Ramapo College.

EAS Conference Sites
The Sites Guidelines need to be revised.
- 2016: New Jersey
- 2017: Delaware
- 2018: Virginia
Committee Reports

Policy and Procedures: No report.

Publication & Promotion: No report.

Annual Honey Show:
A $100 stipend was given for the best in each category at EAS KY 2014 Annual Show in hopes of getting more entries. Along with this amount, they also received a silver plate and ribbons. The entries were light. There is no entry fee. Should (the $100 stipend) be continued at EAS ON 2015? The Honey Show Rules need to be published shortly. A teleconference call will be scheduled.

Webmaster: David Meldrum
David Meldrum requested info from EAS ON 2015 meeting along with pictures for the website. Thanks were given to Dave Meldrum for his work getting all the MB information on line.

Membership: Jeff Burd
Jeff Burd reported with the help of John Tulloch and Dave Meldrum renewal notices were sent out. One hundred forty renewed along with twelve new Life Members.

Seeing that Jeff Burd was working on EAS 2016, Bob Talkiewicz will chair the membership committee. We need to put something together for corporate membership pricing. Dave Mendes will find out how ABF handles their sponsors. Tammy Horn said that EAS needs to clarify between corporate memberships and sponsorships. A committee consisting of Erin MacGregor Forbes, Jeff Burd, and David Mendes was formed.

Dave Meldrum suggested that EAS pursue a web based membership system to facilitate easier membership registration tracking and maintenance.

Education: Vincent Aloyo
Vincent Aloyo asked what was expected of the education committee. One of the things that the Education Committee does is help to plan the “Train the Trainer” sessions. We need to know if the Education Committee will do the program next year, so that the necessary room reservations can be made. Erin MacGregor Forbes suggested using the Master Beekeepers and she would be willing to get the word out to them. It was suggested to contact Bill Mares and Dave Tarpy for their input.

Life Members: Mary Duane
There were 14 new Life Members presented with their certificates and pins at the EAS KY 2014 Life Member Luncheon. The Life Members luncheon has been well received.

Master Beekeeper Certification Committee: Carol Cottrill
There were sixteen individuals who took the exam at EAS KY 2014. We currently have one applicant for 2015. There were many changes last year and things should go easier in 2015. Special thanks were given to Carol Cottrill.

EAS Mann Lake Master Beekeepers Scholarship: Landi Simone
No reports.

Awards: Jim Bobb
Requests for award nomination will be sent out by January 1, 2015.

Foundation for Honey Bee Research: Dave Tarpy (absent)
Every year EAS offers a $5000 grant. The Executive Committee suggested that the Honey Bee Research Grant be increased to $7,000 for 2015 to keep up with inflation.

Jeff Burd moved and seconded by Tammy Horn to increase the Honey Bee Research Grant to $7,000 for 2015. Twenty-two voted in favor of the motion. Zero opposed. Motion passed.

Historian
No report. We are looking for a new historian.

Financial Audit: John Baker
The financial report was distributed by email to all directors.

Nomination Committee: Loretta Surprenant
Nominations for 2015 are needed for the following states/provincial: AL, DE, FL, IL, MS, NJ, RI, and NL.

Unfinished Business

BIP Project
Jeff Burd reported that a Bee Informed Project (BIP) update, with breakdowns on who completed their tasks and obligations, will be presented. A 50% give back to participants has already been approved. The Executive Committee recommended that the BIP project be continued in 2015.

New Business

Ed & Elaine Holcombe Donation:
Tammy Horn will touch base with the Holcombe’s regarding the Distinguished Speaker Support Fund donation before Thanksgiving.

Next Board Meeting: February 21, 2015 by teleconference.

Adjournment: Paul Dill moved and seconded by Doug McRory to adjourn the meeting. Twenty-two voted in favor of the motion. Zero opposed. Motion carried.

Submitted by Loretta Surprenant, EAS Secretary
Call to order: Chairman Jim Bobb presided over the winter Board of Director's Meeting on February 21, 2015 at 6 pm Eastern Standard Time by teleconference.

Introductions, welcome and guest: Jim Bobb welcomed all.

States/provinces in good standing:
Valid through 9/2015: AL, CT, DE, NY, ME, NJ, NC, PA, VT, VA, WV, RI, KY, NH.

Valid through 9/2016: MD, MA, OH.

Roll Call
Jim Bobb, Chairman; Loretta Surprenant, Secretary; Andre Flys, President; Tammy Horn, Past President; Jeff Burd, Vice President Interim; Julian Wooten, NC; Bob Talkiewicz, NY; Vincent Aloyo, PA; David Meldrum, MA; David Mendes, FL; Debbie Seib, IN; Paul Dill, DE; Erin MacGregor Forbes, ME; Martin Marklin, NH; John Baker, CT; Peggy Garnes, OH; Charles Walter, WV.

Absent: Kent Williams, Vice Chairman; Doug McRory, ON; Joel Leberge, QC; Mary Duane, MA; Ann Zudekoff, VA; Tim McMahon, MD; David Burns, IL; Randy Fair, LA; Art Potter, MS; Mike Palmer, VT; Bill Miller, AL; Kim Flottum, Past Chairman; Lani Basberg, KY; Buddy May, SC; Celeste Nadworny, RI; Mary Cahill Roberts, GA; Landi Simone, Master Beekeepers.

Guest: Carol Cottrill, ME.

Secretary's Report: Loretta Surprenant
Paul Dill moved and seconded by Bob Talkiewicz to accept the November 15, 2014 fall Board of Director's Minutes as distributed. Motion passed unanimously.

EAS Secretary: Carol Cottrill has agreed to be nominated for EAS Secretary, when Loretta Surprenant retires at EAS 2015 Ontario.

Treasurer's Report
QuickBooks has been sent out to the Brown Edward Agency to prepare the forms for the IRS. Maureen Pearson will stay on as treasurer until there is another treasurer. The EAS 2014 KY Annual Conference was a financial success as well as very educational.

The 2014 EAS Profit and Loss Statement along with a copy of the Society's Balance Sheet, showing the Assets in balance with Liabilities and Equity, were distributed.

Treasurer Search: Jim Bobb appointed John Baker as chairperson of the Treasurer's Search committee. Erin MacGregor Forbes, Dave Meldrum and Paul Dill offered to serve on the committee. John Baker will be contacting John Tulloch for assistance as he moves forward finding a new treasurer.

Chairman's Report: Jim Bobb
Chairman Search Questions: Erin MacGregor Forbes submitted her responses to the EAS Board Questions along with a 4-Year Plan by the January 23, 2015 deadline. Erin addressed the board and stated how important EAS is and thanked everyone for the opportunity to be considered for Chairman of EAS. The Board had the opportunity to interview Erin and ask additional questions. Andre Flys, Carol Cottrill, and Tammy Horn strongly recommended Erin for the position. A 2/3 voted was needed. John Baker moved and seconded by Paul Dill to accept the nomination of Erin MacGregor Forbes as the 2015-2019 chairman of the EAS Board of Directors Erin MacGregor Forbes was elected unanimously. Erin will nominate her Vice Chairman at a later date.

Jim Bobb congratulated Erin and the passing of the gravel will take place at the Banquet at EAS 2015 Ontario.

Past President’s Report: Tammy Horn
Tammy Horn offered no formal report from EAS 2014 KY. Ed and Elaine Holcombe made a generous donation to EAS to establish the “Distinguished Speaker Fund” which will support speaker's travel expenses. Tammy Horn is working with Ed Holcombe to charter a bus to pickup those wanting to attend EAS 2015 Ontario in Guelph.

President’s Report: Andre Flys
EAS 2015 Ontario will be held August 10-14, 2015 at the University of Guelph in Guelph, Ontario. The registration form is being worked on along with confirming the speakers and asking for their bio information. A publicity ad for EAS 2015 Ontario is just about completed. Liz Corbett is working with vendors and getting customs information together in order to make it easier for the vendors to get their wares through the border. Everyone will need a passport so you need to prepare early. If you plan to use your cell phones, be sure to get a Canadian phone plan. Hotels have been blocked out for the EAS Conference. On Wednesday evening, a Pollination Round Table discussion will take place. This will be a good draw for commercial beekeepers. On Thursday, the Conference will be an EAS Tech Tour, visiting commercial beekeepers. Also included will be tours to the Butterfly Conservatory and Rosewood Estate Winery.
A $5,000 grant has been awarded to EAS from Lush Fresh Handmade Cosmetics (LUSH) for speakers. Thanks to Les Eccles and Tammy Horn for obtaining the grant.

**Vice President’s Report: Jeff Burd**

The New Jersey Executive Board met and voted to support EAS 2016. The EAS NJ Team are still working with Stockton Seaview and Stockton College and have also checked out Princeton University and Ramapo College. Dewey Caron and members of three New Jersey Beekeepers Association Branches and NJ State Agencies will be meeting on March 18, 2015 to get things together in an organized fashion.

**EAS Conference Sites**

- 2016: New Jersey
- 2017: Delaware
- 2018: Virginia (Possible)

**Committee Reports**

**Policy and Procedures:** No report.

**Publication & Promotion:**

The EAS Journal will be going out within the next couple of weeks.

**Annual Honey Show:**

Honey Show Rules will be published shortly. We need to check to see that queen line jars were added to the Honey Show Rules.

**Webmaster: David Meldrum**

David Meldrum requested info from EAS 2015 ON along with pictures for the website. It was suggested we start promoting NJ 2016 and DE 2017. The Online Registration Form is being worked on now. Thanks were given to Dave Meldrum for his work.

**Membership: Jeff Burd**

Jeff Burd was working on putting together the EAS 2016 NJ Conference and would like to have someone take over as membership chairperson.

**Education: Vincent Aloyo**

It was decided not to hold the “Train the Trainer” program at EAS 2015 ON. We will look at holding the event at the EAS 2016 ON.

**Life Members: Mary Duane (absent): No Report.**

**Master Beekeeper Certification Committee: Carol Cottrill**

We have had to turn some good applicants away because they didn't have five years of experience. We hope to have additional applicants once the EAS Journal goes out with information on the MB exam.

**EAS Mann Lake Master Beekeepers Scholarship: Landi Simone (absent):**

The scholarship information was sent out with the Awards Nominations.

**Awards: Jim Bobb**

Requests for Award Nominations have been sent out. Deadline for all nominations are due April 1, 2015, except for the Divelbiss Award which are due by April 15, 2015.

**Foundation for Honey Bee Research: Dave Tarpy (absent):**

The call for the Foundation for Honey Bee Research has been sent out. EAS will offer a $7,000 grant for 2015.

**Historian**

We are looking for a new historian. **Note:** Karla Eisen offered assistance with the administrative aspect of logging in the historical material. She does not feel that she has time to be Historian, but would be willing to work with the new historian.

**Financial Audit: John Baker**

Jim Bobb appointed John Baker to head the Financial Audit Committee.

**Nomination Committee: Loretta Surprenant**

All that is needed to nominate a new director is a letter from your state/provincial organization nominating your representative. It should be emailed to the Secretary.

A Director serves a four-year term beginning after the election at the annual business meeting. No director shall serve more than two, four-year consecutive terms.

**Nominations for 2015** are needed for the following states/provincial: Delaware, New Jersey, Rhode Island, Alabama, Mississippi, Newfoundland, Florida, and Illinois.

**Unfinished Business**

**BIP Project**

Jeff Burd has requested someone take on the BIP Project so that he can focus on the 2016 conference. Erin MacGregor Forbes stated she would ask some of the Master Beekeepers to help out. John Baker moved and seconded by Charles Walter to offer the BIP Project in 2015. Motion passed unanimously.

**New Business:** None

**Next Board Meeting:** August 12, 2015 at noon at the University of Guelph, Guelph, Ontario.

**Adjournment:** John Baker moved and seconded by Tammy Horn to adjourn the meeting at 8:10 am. Motion passed unanimously.

Submitted by Loretta Surprenant, EAS Secretary
EAS Directors (Year indicates expiration of term as director)

Alabama
William Miller (2015)
2991 Eddins Rd.
Dothan, AL 36301
334.794.8362
director.al@easternapiculture.org

Connecticut
John C. Baker (2018)
52 Headquarters Rd.
Litchfield, CT 06759
860.567.8427
director.ct@easternapiculture.org

Delaware
Paul Dill (2015)
PO Box 571
Wyoming, DE 19934
302.249.1866
No email

Florida
David Mendes (2015)
11253 Rabin Gap Dr.
N. Fort Myers, FL 33917
director.fl@easternapiculture.org

Georgia
Mary Cahill-Roberts (2017)
534 Mountain Gerizim Road
Mableton, GA 30126
404.388.3427
director.ga@easternapiculture.org

Illinois
David Burns (2015)
14556 North 1020 East
Fairmount, IL 61841
217.427.2878
director.il@easternapicultural.org

Indiana
Debbie Seib (2018)
7784 N. Sanctuary Lane
Mooresville, IN 46158-6082
317.432.9578
director.in@easternapicultural.org

Kentucky
Lani Basberg (2016)
12 Main Street
Shelbyville, KY 40065
502.647.6081 cell
director.ky@easternapiculture.org

Louisiana
Randy Fair (2018)
611 Evans Loop
Mansfield, LA 71052
318.872.2682
director.la@easternapiculture.org

Maine
Erin MacGregor Forbes (2018)
188 Capisic Street
Portland, ME 04102
207.772.3380
director.me@easternapiculture.org

Maryland
Timothy McMahon (2018)
2717 Arvin Street
Wheaton, MD 20902
703.850.0948 Cell: 240-850-0948
director.md@easternapiculture.org

Massachusetts
Mary Duane (2016)
81 Blithewood Ave.
Worcester, MA 01604
508.335.0433
director.ma@easternapiculture.org

Master Beekeepers
Landi Simone (2017)
Gooserock Farm
101-B Taylortown Road
Boonton, NJ 07005
973.263.0674
director.mb@easternapiculture.org

Michigan
vacant (2016)

Mississippi
Art Potter (2015)
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Thursday of the conference will feature the Tech Tour, which will give registrants a chance to experience the sights of Niagara and a couple of the largest beekeeping operations in Ontario. Everyone will be bussed, so no worries about maps, carpooling, or sampling a little mead, wine or local beer.

The Thursday Tech Tour is included in the price of the Wednesday through Friday Conference registration, or the Tour can be purchased as a single day registration on Thursday for US$100.

The Tour includes five stops: Parker-Bee Apiaries, the Niagara Butterfly Conservatory, Niagara Falls, lunch and tour at Niagara College and BBQ dinner, auctions and entertainment at Dutchman’s Gold. This promises to be an interesting day that you won’t want to miss. Register early, as space is limited.

Parker-Bee Apiaries All about the Bees Tour one of Ontario’s largest apiary, Parker-Bee Apiaries, where owner Mike Parker and the Ontario Beekeepers’ Association have been working to develop an innovative osmosis unit to clean old comb. You’ll also see Parker’s unique pallet system for shipping hives for pollination.

We’ll stop and see Niagara Falls, one of the great natural wonders of the world.

We’ll visit the Niagara Butterfly Conservatory with over 2,000 colourful tropical butterflies floating freely among lush, exotic blossoms and greenery. Paths wind through the rainforest setting, past a pond, waterfall, and the emergence window, where butterflies leave their pupae and prepare to take their first flight! More than 45 species of butterflies call this beautiful space home.

Take advantage of lunch, tour of the teaching winery and brewery facilities and the gardens, greenhouses and grounds at beautiful Niagara College at the Niagara-on-the-Lake campus, which will soon be home to Canada’s first commercial beekeepers program.

Niagara College is nestled against the Niagara Escarpment - a UNESCO world biosphere reserve - in the heart of Niagara’s wine region. At this stop, you’ll enjoy lunch provided by Niagara College culinary program students using seasonal produce grown in the culinary garden, which showcases vegetables, small fruits, herbs, and edible flowers.

The grounds also offer a lush Aboriginal Garden, planted near the wetland system to demonstrate the importance of native plants for ceremonial, food, medicinal and other needs of Aboriginal groups in Canada, and a teaching Hop Yard (with 17 hop varieties), a living lab for the Brewmaster and Brewery Operations Management program at Niagara College. Beer and wine tastings will be available.

Your day will end with a BBQ dinner, silent and queen auctions and live entertainment graciously hosted by John and Alison Van Alten at Dutchman’s Gold Honey and Maple Products. Take advantage of this rare opportunity to visit the honey house of one of Ontario’s best-known apiaries, a family business since 1981. Dutchman’s Gold Staff (John and Alison Van Alten on left)
EAS Membership and Life Member Dues Payment/Address Correction Form

(Please send all money in U.S. funds)

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