Get Ready For EAS 2010

At long last, we are happy to begin registration for the 2010 EAS conference and preparations are nearly complete for a fantastic meeting for everyone in Boone this summer. So many people have put so much effort into making this North Carolina project a special one and this article could run several pages simply thanking all who have helped, but keeping our space considerations in mind, we’d like to stick with telling you what you can look forward to in August.

The speakers list is far to big to list here, but Dave Tarpy and Don Hopkins have assembled an amazing group of beekeepers, bee researchers and all around bee experts to speak this summer! There are so many fascinating talks and workshops, it may be tough for some to even get to them all! Please see inside for details on the program.

Well, it’s official, Michael Young will be coming from Northern Ireland to cook with us and for us, and to provide workshops on mead making and encaustic painting. Michael Young is a frequent contributor of his many talents to EAS and we are thrilled he will be a part of our conference this summer.

The Wednesday night Barbecue at Brushy Mountain will be a fantastic evening with a pig pickin’, a bluegrass band, an antique auto exhibit, local arts and crafts and much more. Steve Forrest has promised us a night to remember and we don’t doubt him at all.

We’re bringing back the Honey Exchange Program! This is a wonderful way to taste different honey from all over everywhere. Simply bring one, two or three pounds of your labeled honey and at the end of the conference, take that same amount of someone else’s honey.

Also, bring your best honey and mead and participate in this year’s honey show. Bob Cole and Ann Harman have graciously agreed to organize this year’s show. Please consult the 2010 Winter Journal or the EAS website for rules and entry details.

So, how good of a beekeeper do you think you are, and how good of a beekeeper are you? Both of these questions can be answered at the Bee Rodeo and the Tall Tales contest! Come up with your wildest tale about something that happened in the bee yard and see how it stacks up against other beekeepers’ tall tales. Beekeepers are usually not known to exaggerate any bee story, so the truth should prevail at this event.

Next, you can participate in the Bee Rodeo and compare your skills at queen finding, smoker lighting, hive tool tossing and other valuable apiary skills.

We’ll have a busy week in August this summer and there will be many educational and social events as well as just plain fun for everyone!

The entire beekeeping state of North Carolina is looking forward to August and everyone’s arrival for the 2010 EAS conference and short course! See you in Boone!

Will Hicks
President 2010

What’s Inside

• From The Editor
• More About EAS 2010
• From The Colonies
• 2010 Registration Form
• 2010 Short Course & Conference Program

Spring 2010
All right everyone, it’s time to get ready for EAS 2010. This year has gone by fast, they seem to do that as I get older. I hope each of you had a wonderful, relaxing and happy holiday season. And now we’re all back to the business of keeping our bees. How’s that going for all of you? Ours didn’t do too bad.

We’ve gotten our packages and we’re up to eight or nine hives now. Kim and I are trying something new this summer – a Top Bar Hive. We’re putting it together and getting a package into it this week. I’ll let you know how that goes.

Will Hicks and his North Carolina team are doing a great job lining up speakers and special events for this year’s Short Course and Conference. Dave Tarpy is organizing the speakers for both and we have some folks that have never been with us and some that we welcome back that we haven’t seen for a while. Make sure you take a look at the schedules in this Journal, remembering that sometimes things change. We will try and keep you updated via the webpage and the Summer Journal of any changes that occur.

Appalachian State University is a beautiful campus right in the center of the town of Boone. Being back on a university campus gives us different options than a resort like last year. There are dorms available, which will tell me are nice and air conditioned. There will be a bit of walking as always on a college campus. They’re made for young people. But things are not difficult to get to, just allow a little extra time. We will have maps and more details in the Summer Journal.

Will has arranged for special dinner events four of the five nights so there will be no cafeteria meals in the evening. We will offer breakfast and lunch on campus and encourage you to check out the local fare Sunday and Monday nights and then join EAS for the other nights.

Tuesday evening Will has planned a catered BBQ somewhere on campus. We’re not sure of the exact location at this time. The location will be in your program book when you arrive.

Wednesday afternoon and evening we have a very special unique opportunity. Boone is located about 45 minutes away from Brushy Mountain Bee Farm. Steve and Sandy Forrest have graciously invited us to have workshops there Wednesday afternoon and then an evening of food, fun and music. You can come in the afternoon and stay for the evening or you can stay on campus where lectures and beeyard activities will also be going on and then come for the evening festivities. Please give a big thank you to Steve and Sandy and Shane when you see them.

Thursday night will be our annual BBQ night and auction. As an added attraction Will has scheduled a local group of cloggers for the evening entertainment.

Friday of course will be our banquet to wrap up a very special week. Awards will be handed out and Honey Show winners announced.

Bob Cole and Ann Harman are in charge of the Annual Honey Show this year so you know it will be a good one. Michael Young from Northern Ireland will be helping them judge some of the entries. We are excited to have Michael back with us this year. If you don’t have your Winter 2010 issue of the Journal please check the website for the official Honey Show Rules. They do change a bit every year so be sure and check the current rules.

Have you thought about volunteering to help EAS? Well if you haven’t please do. There are several ways to get involved in keeping things running smoothly. At the conference we need folks to help in several areas. We need volunteers to help our vendors load and unload, help at the registration desk, help getting folks to their dorm if they need it. So if you can help for a couple of hours please let me or Will Hicks know and we’ll get you signed up for a task. You’ll be surprised at how much fun you can have and you’ll almost always walk away with a new friend.

We also need Directors to serve on the Board of Directors to help make the big decisions. Check page 19 of this Journal and if your state doesn’t have a Director or has a Director that is about to finish their term think about joining us on the Board. We are now conducting our board meetings with electronic connections and conference calls. This past spring we had a totally electronic board meeting because the weather turned bad and we didn’t want folks travelling. It worked pretty well. We have a few bugs to work out but it’s headed in the right direction. So if travelling is an issue you may still be a director and not have to travel to every board meeting. Think about it.

I hope to see you all in August in Boone. It’s going to be a great time.
## EAS 2010 Short Course
### August 2-4

<table>
<thead>
<tr>
<th>TIME</th>
<th>INTRODUCTORY</th>
<th>ADVANCED</th>
<th>APIARY</th>
<th>MICROSCOPY</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 - 8:20 am</td>
<td>Introductions and announcements</td>
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</tbody>
</table>
| 8:30 - 9:15 | **Erin MacGregor-Forbes**
August to October: beginning the bee year | **Keith Delaplane**
Secrets of the honey bee life cycle that can help beekeepers |                                               |                                               |
| 9:30 - 10:15 | **Brenda Kiessling**
November to January: as the bees cluster | **Bob Cole**
Honey bees of the world | **Larry Connor**
Adult anatomy through the microscope: a demonstration (Sign up in advance when you arrive) |                                               |
| 10:15 - 10:45 |                                               |                                               |                                             |                                               |
| 10:45 - 11:30 | **Joe Kovaleski**
Moving into Spring: what you see and what to expect | **Michael Young**
Making mead | **Ed Levi**
Inspecting your hive like an inspector |                                               |
| 11:30 - 1:00 |                                               |                                               |                                             |                                               |
| 1:00 - 1:45 pm | **Bob Cole**
Bee pests | **Rick Fell**
Honey bee perception and pollination | **Jennifer Keller**
Marking and caging queens | **TBA**
Diseases through the microscope (Sign up in advance when you arrive) |
| 2:00 - 2:45 | **Anne Frey**
Swarms: colony dynamics, queen cells, & how to collect swarms | **John Skinner**
Getting the most of your bees during the bloom | **Claire Waring**
Photographing bees in the hive |                                               |
| 2:45 - 3:15 |                                               |                                               |                                             |                                               |
| 3:15 - 4:00 | **Ann Harman**
Pollination 101: introduction to flowers, other pollinators, and current problems | **Wyatt Mangum**
Beekeeping history in the 1800s | **Jennifer Berry**
Starters & finishers |                                               |
| 4:15 - 5:00 | **Various Speakers**
Wrap up Q&A session | **TBA**
Integrated Pest Management for Varroa | **Jack Hanel**
Working hives optimally |                                               |
| 5:00 - 7:00 | **DINNER (ON YOUR OWN)**                          |                                               |                                             |                                               |
| 7:00 - 9:00 | **QUESTION AND ANSWER SOCIAL WITH THE SPEAKERS** |                                               |                                             |                                               |

Please note that the short course does include Wednesday.

*Short Course Continued on Next Page*
### Microscopy Sessions

Last year we tried something new and it worked so well we were overwhelmed. If you’re one of the folks that didn’t get into the Microscopy Sessions taught by Larry Connor last year, this year you have several chances to get in. We have sessions going on all week, during the Short Course and during the Conference. Instructors include Larry Connor, Nick Calderone, Bob Danka, David Tarpy, Jeff Harris, and Deborah Delaney. There is no extra charge for these sessions this year, but you do have to sign up because space again is limited. If you are coming to the Short Course, you will be able to sign up Monday morning for one session you’d like to get into during the Short Course.

Then on Wednesday morning we’ll take sign-ups for the sessions offered during the Conference. We will limit each person to one session unless we do not fill up all of the sessions. This is a very popular topic and we want to give as many people as we can an opportunity to participate.

### Something Different

We have a bit of a different format this year with our workshops. Part of this change is that Brushy Mountain Bee Farm has invited us out to their place which is about a 45 drive from the campus for an afternoon of workshops and an evening BBQ, with good food, and music. Lectures and beeyard sessions will be offered on campus and also at Brushy Mountain. So you can go to Brushy Mountain for the workshops and stay for the evening or you can remain on campus for those activities offered there and join us later for the evening festivities. Check out the schedule and the registration form.
Brushy Mountain North
Second Location
New Columbia, Pennsylvania

NOW OPEN!

BRUSHY MOUNTAIN BEE FARM

We still have the Best Quality, Best Service, Best Support, but now we have shorter transit times, lower shipping costs, and another showroom.

Come see for yourself
620 Old Route 15, New Columbia, PA 17856

Brushy Mountain Bee Farm
www.brushymountainbeefarm.com | 1-800-233-7929

- BEST QUALITY - BEST SERVICE - BEST SUPPORT -
Wednesday Afternoon At Brushy Mountain Bee Farm

Wednesday afternoon you have the option to travel to Brushy Mountain Bee Farm for an afternoon of workshops, tours and an evening of fun, good food and music spent. We will have maps and directions in the next issue of the Journal and also in your program book when you arrive at EAS 2010. We encourage you to take this opportunity to visit Brushy Mountain. Steve, Sandy and Shane are putting together a wonderful afternoon and evening for us. There will be tours of the facility and workshops.

Workshop topics includes – Woodworking, Honey Extraction, Soap Making. There will be beeyard activities also including – Finding And Marking Queens; Reading Frames And Effective Hive Inspections; Varroa Sampling And Record Keeping.

Later in the afternoon after the workshop times we will have a Bee Rodeo (hive-tool throwing, queen-finding race, smoker lighting, etc…)

Then more fun begins with a BBQ, music and just spending time with your beekeeping friends. It promises to be a wonderful afternoon and evening. We encourage you to please carpool, so that parking does not become an issue.

There will also be talks going on on campus in the afternoon and in the campus beeyard. So check the program and decide what you want to do. If you choose to stay on campus for the afternoon, you can then join us for dinner and the rest of the evening.

Be sure and give a big thank you to Steve and Sandy Forrest for this opportunity.
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<tr>
<th>TIME</th>
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<td></td>
<td></td>
<td></td>
<td>Introductions and announcements</td>
</tr>
</tbody>
</table>
| 8:30 – 9:15|        |        |        | **PLENARY SESSION**  
|            |        |        |        | David De Jong  
|            |        |        |        | How Brazil adapted to AHB, and how they have adapted with diseases |
| 9:30 – 10:15| Student award winner  
|            |        | Deborah Delaney  
|            | TBA    | Bees in trees: a population genetics perspective | Zachary Huang  
|            |        | Dissecting bees | |
| 10:15 – 10:45|        | Break |        | Zachary Huang  
|            |        | Dissecting bees | |
| 10:45 – 11:30| Keith Delaplane  
|            | USDA-CAP update | TBA  
|            |        | Changes in the value of honey bees and other pollinators to U.S. Agriculture 1990 - 2008 | Steve Sheppard  
|            |        | Putting research knowledge to use | Zachary Huang  
|            |        | Dissecting bees | |
| 11:30 – 1:00|        | Lunch |        | Geoff Williams  
|            |        |        | Bart Smith  
|            |        | Measuring hives | Lab tests for diseases |
| 1:00 – 1:45|        |        |        | **AFTERNOON WORKSHOPS**  
|            |        | **SEE PAGE 12** | Juliana Rangel  
|            |        | Queen rearing | Bart Smith  
|            |        | Lab tests for diseases |
| 2:00 – 2:45|        | Break | Maryann Frazier  
|            |        | In the beeyard | Bart Smith  
|            |        | Lab tests for diseases |
| 3:15 – 4:00|        |        | Jennifer Keller  
|            |        | In the beeyard | |
| 4:15 – 5:00|        |        |        | **AFTERNOON WORKSHOPS**  
|            |        | **SEE PAGE 12** | |

*Conference Schedule Continued on Page 12*
Gettng To EAS 2010

If you are flying to EAS 2010 these are the airports near Boone, NC.

**Charlotte, NC** – Approximately 120 miles, two+ hours.
**Greensboro, NC** – Approximately 100 miles, two hours.
**Ashville, NC** – Approximately 95 miles, two hours.
**Tri-Cities, TN** (Johnson City, Bristol, Kingsport) – Approximately 70 miles, 1½ miles.

If you are driving to Boone –
- Atlanta, GA: 301 miles
- Boston, MA: 858 miles
- Buffalo, NY: 650 miles
- Cleveland, OH: 503 miles
- Louisville, KY: 351 miles
- Nashville, TN: 340 miles
- Pittsburgh, PA: 437 miles
- Portland, ME: 961 miles
- Washington, DC: 414 miles

**Hotel And Tourist Information**
To find hotels located in Boone and to find information on outdoor activities, entertainment in the area, shopping, restaurants and more visit these websites:
- [www.VisitBooneNC.com](http://www.VisitBooneNC.com)
- [www.mountainsofnc.com](http://www.mountainsofnc.com)

EAS 2010 SPECIAL EVENTS

**Tuesday Evening**
*6:00 - 8:00*
Informal Catered Barbeque – exact location will be in your program book

**Wednesday Evening**
*5:00 - 9:00*
Barbeque and Music – Brushy Mountain Bee Farm (maps and directions will be in your program book)

**Thursday**
*6:30 – 9:00*
Annual Barbeque and Auction At Legends – Sponsored By The North Carolina State Beekeepers Association

**Friday Evening**
*6:30 - 9:00*
Annual Awards Banquet – exact location will be listed in your program book

All of these Special Events do require pre-registration so we have an accurate count for the caterers. They are all listed separately on the registration form. We cannot guarantee there will be tickets for sale for these events when you arrive, so be sure and sign up early.

HAS 2010

The Heartland Apiculture Society (HAS) annual conference will be held in Cookeville, TN on the campus of Tennessee Technological University in 2010. The dates of the conference is July 8-10, 2010. For more information contact Jim Garrison, President of HAS, at jimg1850@live.com, or go to our web site for assistance.

[www.heartlandbees.com](http://www.heartlandbees.com)
EAS 2010 Short Course/Conference Registration
August 2-6, 2010
APPALACHIAN STATE UNIVERSITY, BOONE, NORTH CAROLINA

Pre-registration deadline is July 16. Register early – Banquet, Meals & Dorms not guaranteed after this date.

FIRST & LAST NAME ____________________________________________ EVENING PHONE # ___________ DAYTIME # ___________
ADDRESS _____________________________________________________ CITY __________________ STATE ______ ZIP ___________
EMAIL: ___________________________________________________________ Do you want to receive the journal by email? ______

HAS YOUR PERSONAL INFORMATION CHANGED SINCE LAST YEAR? ____YES  ____ NO

For The Name Tags – Please list name, city and state of each person attending.

a. ____________________________________________ c. ____________________________________________
b. ____________________________________________ d. ____________________________________________

DUES

1. EAS DUES $25/Annual (Single or Family); $250/Life Member (includes family); ..........$___________
   EAS Dues must be current to attend this conference.

REGISTRATION

EAS SHORT COURSE - August 2-4, 2010

Registration Fees – $100/person for all three days.
2. Level I – First & Last Name(s) ____________________________________ x $100 = $ _______
3. Level II – First & Last Name(s)____________________________________ x $100 = $ _______

EAS MAIN CONFERENCE - August 4-6, 2010

Main Conference officially begins WEDNESDAY MORNING at 8:00. Don’t Forget!
Registration Fees – $125/person or $200/family
4. First & Last Name ____________________________________________ x $125 = $ _______
5. Family Names (first & last of each) ____________________________________________________________ x $200 = $ _______

ONE DAY FEE $50/person/day or $75/family/day

6. First & Last Name(s) ____________________________________________
   Which day(s) _____ Wed. _____ Thur. _____ Fri.   # _____ x $50 x # ______ days = $ _______
   Which day(s) _____ Wed. _____ Thur. _____ Fri.   # _____ x $75 x # ______ days = $ _______

Meals

7. Cafeteria meals will be sold as a package which includes breakfast and lunch. Dinners will not be part of the package because we have special dinner events going on four of the five nights. We encourage you, if you’re not joining our special events to check out the local fare for dinner. Short Course Meal Package includes breakfast and lunch, Monday through Wednesday; Conference Meal Package includes breakfast and lunch Wednesday through Friday and All Week Meal Package includes breakfast and lunch Monday through Friday.

   Short Course Meal Package - $51/person
   Conference Meal Package - $51/person
   All Week Meal Package - $85/person

   _____________________ x $51 = $ ___________
   _____________________ x $51 = $ ___________
   _____________________ x $85 = $ ___________

   Cafeteria Meal Total $________

If you have questions regarding registration contact
John Tulloch, 423.574.1181
treasurer@easternapiculture.org

Page 1 Total $________ (Dues, Registration & Meals)
Rooms
All dorm rooms have shared bathrooms with two rooms sharing one bathroom. Dorms are air conditioned and include two twin beds. A linen package is available, or you can bring your own.

8. Dorms - Single - $70/Room/Night
Sun _____ x $70 = ____; Mon _____ x $70 = ____; Tue _____ x $70 = ____; Wed _____ x $70 = ____;
Thu _____ x $70 = ____; Fri _____ x $70 = ____

   Single Person Dorm Total $____

9. Dorms - Shared (2 or more in a room) - $80/Room/Night
Sun _____ x $80 = ____; Mon _____ x $80 = ____; Tue _____ x $80 = ____; Wed _____ x $80 = ____;
Thu _____ x $80 = ____; Fri _____ x $80 = ____

   Shared Dorm Total $____

10. Linen Package (includes 2 towels, 2 sheets, 1 blanket, 1 pillow case, 2 washcloths)
    Pillows will be in your room.
    _____ x $13 = ____

   Linen Package $____
   Room Total $____

SPECIAL EVENTS
Children under 18 attending Special Events must be accompanied by an adult.

TUESDAY . . .
11. Catered BBQ – Preregistration required. # _____ x $10/ Person $ _______
    On campus, a relaxed night of just getting together.

   Tuesday BBQ Total $____

WEDNESDAY . . .
12. Brushy Mountain BBQ – Preregistration required. # _____ x $30/ Person $ ______
    An evening at Brushy Mountain Farms - dinner, music, good times

   Brushy Mountain Total $____

THURSDAY . . .
13. BBQ – Preregistration required. # _____ x $30/ Person $ ______
    This evening will include our annual auction and also NC cloggers

   Thursday BBQ Total $____

FRIDAY . . .
14. Banquet – Preregistration required. # _____ x $35/ Person $ ______
    Our annual Friday night banquet

   Banquet Total $____
   Special Event Total $____

15. Donation to Honey Bee Research Fund (help us help honey bees) .......................... $____
16. Donation to Speaker and Education Fund (help us help EAS members) ..................... $____

If you have questions regarding registration contact
John Tulloch, 423.574.1181
treasurer@easternapiculture.org

Total Amount Due. Please Make Check payable to EAS 2010 For This Amount

Grand Total $____

Mail this form with check or MasterCard or VISA # to

(If using a credit card please include the 3-digit security # on back of your credit card and the expiration date)

MasterCard or Visa #__________________________ 3-digit # from back of card __________
Exp. date __________
Signature ________________

Send form and check to: EAS 2010 - John Tulloch, P.O. Box 29, Blountville, TN 37617

You can also register online with a credit card at www.easternapiculture.org
Your ONLY registered “in hive”
Small Hive Beetle Control!

Small Hive Beetle Life Cycle
Eggs → Larvae → Pupae → Adult

- Use a ground drench in addition to CheckMite+
- Cut 1 strip in 1/2 then attach to a 5” x 5” corrugated square. Place square, strip side down on bottom board.
- Remove strips after 42-45 days

Signs of Infestation
- Upon opening the hive you may see hive beetles scurry across the combs and frames.
- Larvae burrowing through combs and honey.
- Honey smells like decaying oranges.
- In a severe infestation the bees may abscond from the hive.

Avoiding SHB Infestations
- Keep strong healthy hives by treating for disease and mites when appropriate.
- Feed syrup and pollen substitute to keep your hives strong when natural sources are not available.

Plastic Squares
DC-815 Non-Medicated 5” x 5”
500+..............$0.35 each

GardStar® is a ground drench used to control pupating SHB larvae in the ground around the hive openings.

Don’t let small hive beetle take control of your hives.
800-880-7694
www.mannlakeltd.com

MAY SPECIALS
GREAT PRODUCTS – GREAT PRICES

SUNDANCE POLLEN TRAP
Perhaps the finest pollen trap on the market. Pollen tray opens to the rear and has a cover to keep hive debris out of the pollen. Stainless screen and has a simple switch for collection or non-collection.
$65.50 each + shipping
email bbhoney@acegroup.cc

B & B HONEY FARM
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ORDER LINE 1.800.342.4811 INFORMATION 1.507.896.3955
www.bbhonefarms.com

ALL NATURAL
MITE TRAP BOARD
Research has shown that 40 - 60% of varroa mites fall to the bottom board naturally or when you open your hive and smoke it. These mites just crawl back up and hop on to a host bee. With our trap these mites are trapped and die. You can check or reapply grease to tray without opening your hive.

This heavy galvanized screened trap allows mites to fall through and be trapped on the tray. The unique tray and trap design is much better than others that are available.

Simply rotate your bottom board to face the opposite direction and place trap facing the original way.

Tray slips in the opening of the bottom board which is now in the back. Simply pull tray out and regrease or put in new sticky board without disturbing or opening the hive.

$17.50 + shipping
**2010 EAS Conference Continued**

**Friday, August 6th**

<table>
<thead>
<tr>
<th>Time</th>
<th>Room 1</th>
<th>Room 2</th>
<th>Apiary</th>
<th>Microscopy</th>
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<tbody>
<tr>
<td>8:00 – 8:20</td>
<td>Introductions and announcements</td>
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<tr>
<td>8:30 – 9:15</td>
<td><em>Stephen Pernal</em></td>
<td><em>Morse Award Winner TBA</em></td>
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<td></td>
<td>The biology and control of Nosema</td>
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<td>9:30 – 10:15</td>
<td><em>Steve Sheppard</em></td>
<td><em>Mike Embry</em></td>
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<td></td>
<td>Importation of germplasm: increasing the genetic diversity of bee stock</td>
<td>2009 EAS Foundation Award: Neonicotinoids and bees</td>
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<tr>
<td>10:15 – 10:45</td>
<td>Break</td>
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<tr>
<td>10:45 – 11:30</td>
<td><em>Keith Delaplane</em></td>
<td><em>Mike Embry</em></td>
<td>*Gary Reuter</td>
<td><em>Bob Danka</em></td>
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<td></td>
<td>Why pollination matters</td>
<td>2009 EAS Foundation Award:</td>
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<td>Measuring quantitative traits for Varroa selection</td>
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<td></td>
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<td>Neonicotinoids and bees</td>
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<td>11:30 – 1:00</td>
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<td></td>
<td><strong>Afternoon Workshops</strong></td>
<td><strong>See Below</strong></td>
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<tr>
<td>2:00 – 2:45</td>
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<td><em>David De Jong</em></td>
<td>How to handle AHB</td>
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<td>2:45 – 3:15</td>
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<td>3:15 – 4:00</td>
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<td><em>Audrey Berry</em></td>
<td>SHB traps</td>
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<td>4:15 – 5:00</td>
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**EAS 2010 Workshops**

**Thursday**

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1:00 – 1:45</td>
<td>Wyatt Mangum</td>
<td>Making top bar hives from wood and weeds</td>
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<tr>
<td></td>
<td>Mike Hood</td>
<td>Pesticide research</td>
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<td></td>
<td>Steve Gibson</td>
<td>SHB research</td>
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<td></td>
<td></td>
<td>SHB in the winter cluster</td>
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<tr>
<td></td>
<td>Jeff Pettis</td>
<td>Cooking with honey</td>
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<td></td>
<td>Michael Young</td>
<td>Apiary record software</td>
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<tr>
<td></td>
<td>James Wilkes</td>
<td>Mite biology</td>
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<tr>
<td></td>
<td>Ron Ochoa</td>
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<tr>
<td>3:15 – 4:00</td>
<td>Jon Zawislak</td>
<td>Talking to the press</td>
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<tr>
<td></td>
<td>Steve Pernal</td>
<td>Calibrating and using refractometers</td>
</tr>
<tr>
<td></td>
<td>Marion Ellis</td>
<td>Living with Varroa in cold climates</td>
</tr>
<tr>
<td></td>
<td>Debate: Nasr/Skinner</td>
<td>TOPIC: Is “organic” truly organic?</td>
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<tr>
<td>4:15 – 5:00</td>
<td>Juliana Rangel</td>
<td>The collective consciousness of the hive</td>
</tr>
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<td></td>
<td>John Skinner</td>
<td>Using eXtension</td>
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<tr>
<td></td>
<td>Kim Flottum</td>
<td>Producing artisan and varietal honeys</td>
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<tr>
<td></td>
<td>Debate: Connor/Harris</td>
<td>TOPIC: Local breeding is the answer</td>
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</tbody>
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**Friday**

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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Topic</th>
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<tbody>
<tr>
<td>1:00 – 1:45</td>
<td>Billy Davis</td>
<td>Pitfalls of presentations</td>
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<td></td>
<td>Geoff Williams</td>
<td>Nosemata research</td>
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<tr>
<td></td>
<td>Gary Reuter</td>
<td>Interpreting the researchers</td>
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<tr>
<td>2:00 – 2:45</td>
<td>Jennifer Berry</td>
<td>Effects of pesticides on bees &amp; powdered sugar control of Varroa</td>
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<td></td>
<td>Steve Gibson</td>
<td>Pesticides labels and testing</td>
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<td></td>
<td>Zachary Huang</td>
<td>Moving bees and its consequences</td>
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<tr>
<td></td>
<td>Debate: Sheppard/Delaplane</td>
<td>TOPIC: Nosemata = CCD</td>
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<tr>
<td>3:15 – 4:00</td>
<td>James Wilkes</td>
<td>Apiary record software</td>
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<td></td>
<td>Ed Levi</td>
<td>Honey production</td>
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<td></td>
<td>Medhat Nasr</td>
<td>Oxalic acid: pros and cons</td>
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<td></td>
<td>Debate: Fell/Frazier</td>
<td>TOPIC: Pesticides residues are bad for bees</td>
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<tr>
<td>4:15 – 5:00</td>
<td>Wyatt Mangum</td>
<td>Research with survivor feral bees &amp; Varroa</td>
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<td></td>
<td>Marion Ellis</td>
<td>Talking to youngsters about bees</td>
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<td></td>
<td>Virginia Webb</td>
<td>Showing wax for show</td>
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<tr>
<td></td>
<td>Debate: Flottum/Pettis</td>
<td>TOPIC: The worst is over...</td>
</tr>
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</table>
Fred Rathje Award

The Canadian Honey Council has a prestigious award for a person who has made a significant, positive contribution for the betterment of the honey bee industry of Canada. At the CHC annual general meeting in Orlando, Florida, the Board of Directors selected Dr. Medhat Nasr to receive the award this year.

Dr. Nasr is a PhD graduate of the University of California, Davis where he gained experience in commercial beekeeping, queen bee breeding and instrumental insemination. He has worked with great enthusiasm for the honey bee industry for over 20 years. His first position after arriving in Canada in 1990 was as a research assistant at the University of Guelph. Three years later he accepted a position as Tech Transfer Apiculturist for the Ontario Beekeeper’s Association. In 2000 he joined the team at Rutgers University New Jersey as an Assistant Professor in Entomology and began an integrated pest management approach for beekeepers in the Mid Atlantic States. An opportunity for a return to Canada arose in 2002 when he accepted the position of Provincial Apiculturist for Alberta.

His passion for apiculture and dedicated research has resulted in approval of formic acid for our industry, recommendations for oxalic acid in the Canadian climate and the establishment of a successful tech transfer program in Ontario that has become the envy of other provinces. Medhat won the Award of Excellence for Research and Technology Development from Ontario Ministry of the Environment in 1998 for the development of the IPM Program. He believes in a sustainable industry and has spent many hours promoting queen bee breeding and integrated pest management, including giving classes to those who are anxious to learn from the best. Each year he uses his network in the research world to bring top speakers to Canada for an Integrated Pest Management Program conference in Edmonton, Alberta.

In addition to his work with Alberta Agriculture, Medhat is Vice President of the Canadian Association of Professional Apiculturists and a member of the Canadian Honey Council Hive Health committee and he works closely with other apiculture research institutes, commercial and hobby beekeepers in Canada and the U.S. He was recently awarded the Distinguished Achievement Award by Alberta Beekeepers.

In his gracious acceptance of the Rathje Award, at the North American Beekeepers Conference in Orlando, Medhat mentioned that he has not been back to Egypt since he left for California and that we have become his family. It is with great pleasure that CHC acknowledges the work of this dedicated professional and our special family member.

Ernesto Guzman Receives OAC Alumni Distinguished Extension Award

Five years ago Professor Ernest Guzman took up his post in the Department of Environmental Biology at the University of Guelph. In that short time Ernesto has made literally hundreds of presentations to Ontario beekeepers. He has spearheaded the province’s research on colony collapse disorder and other forms of colony loss. He has established the first molecular laboratory in the province dedicated to diagnosing, treating and preventing colony loss. He has developed an outstanding relationship with the Ontario Beekeeper’s Association and with OMAFRA extension specialists. His service to this industry has been truly remarkable and selfless. Ernesto has the special ability to convey information in a way that makes it understood by an audience he addresses, and he is a valued resource of the Department, the College and the University of Guelph.

taken from Hivelights.
The Canadian Association of Professional Apiculturists awarded Doug McRory the Outstanding Service Award at their joint annual banquet. Later in the evening Paul Ko- zak, incoming Ontario Provincial Apiculturist, congratulated Doug for his 26 years of service. Paul began work for OMA- FRA immediately after this meeting.

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OBITUARY

DODGE, David W.R. Lt. Col. (Ret’d.)

With love, joy and true devotion, we honour the life of David Wesley Raymond Dodge. He was a man of honour, wisdom and strong family values. His life will be celebrated by his much loved wife of 63 years, Doreen, and children Barbara (Bill), Brenda (Bob), Ian, Peter (Bette-Anne). He will be lovingly remembered by his 8 grandchildren, Jordan, Brier C., Jenny, Mindy, Katie, Brier D., Claire and Cameron.

David was born in Birtle, Manitoba, on January 7, 1919. He grew up playing hockey on the prairies, joined the infantry highlanders and was involved in active duty during WWII. David went on to have three careers. A proud professional officer in the Black Watch Regiment, a civil servant who worked tirelessly to assist Canadians in trouble abroad and finally a beekeeper with prize winning honey. David left this world on January 28, 2010, peacefully in hospital. We love you. For those who wish, please consider a donation in David’s memory to the Canadian Cancer Society.

Kathy Summers,
EAS Journal Editor
7011 Spieth Rd, Medina, OH 44256
330.461.1081 • 330.725.6677, ext. 3215 • 330.725.5624 FAX
kathysummers@zoominternet.net or journal@easternapiculture.org or kathy@beeculture.com
Please contact me with comments, suggestions, corrections, things you’d like to see in your Journal.

get your EAS Journal via your Email!

Don’t forget that we offer the Journal electronically. We have been doing this for a little over a year now. Most of the ads and all of the photos in this journal are in color, so if you’re still getting the printed copy you’re missing out on all of that. Also, if you receive your journal electronically you receive it at least a week, sometimes more, sooner than those getting the paper copy.

To sign-up for the Electronic version of the EAS Journal please visit our website: www.easternapiculture.org

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Spring, 2010
Extracting Kits

**Junior Bench Extractor Kit**

- The Junior Bench Extracting kit is the perfect extracting set up for the beginning beekeeper. The kit comes complete with 1 Junior Bench two frame extractor and stand, 1 bottling bucket kit, 1 speed king electric knife, plastic uncapping tub and 1 capping scratcher.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>M00390KIT</td>
<td>JB Extractor Kit</td>
<td>$499.00</td>
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**Little Wonder Extractor Kits**

- A step up in size from the Junior Bench. The little wonder extracting kit is perfect for the hobby beekeeper. It is available in both hand and power styles. This four frame extractor comes complete with extractor and stand, 1 bottling bucket kit, 1 speed king electric knife, plastic uncapping tub and 1 capping scratcher.

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<tr>
<th>Part Number</th>
<th>Description</th>
<th>Price</th>
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<tr>
<td>M00396KIT</td>
<td>LW Hand Extractor Kit</td>
<td>$549.00</td>
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<tr>
<td>M00403KIT</td>
<td>LW Power Extractor Kit</td>
<td>$839.00</td>
</tr>
</tbody>
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**Ranger Extractor Kit**

- For those who prefer a radial extractor this is for you. The Ranger extracting kit is available in both the power and hand styles. It is capable of extracting 6 - 6 1/4” frames or shallow frames radially or three deep frames tangentially by using the optional baskets. The 6 frame radial extractor comes complete with extractor and stand, 1 bottling bucket kit, 1 speed king electric knife, plastic uncapping tub and 1 capping scratcher.

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<th>Part Number</th>
<th>Description</th>
<th>Price</th>
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<tr>
<td>M00400KIT</td>
<td>Ranger Hand Extractor Kit</td>
<td>$629.00</td>
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<tr>
<td>M00401KIT</td>
<td>Ranger Power Extractor Kit</td>
<td>$915.00</td>
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Optional Baskets, for Deep Frames, Ship Wt. 8 lbs. . . . $79.95

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- Made in the USA!
- Quality construction and superior long-lasting stainless steel!
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2 pkgs @ 35#

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2 pkgs @ 35#  1 pkg @ 13#  1 pkg @ 8#
Call to order: Due to a severe snow storm, the meeting which was planned for West Chester, PA was cancelled and the board held their meeting by WebCom on February 6, 2010. Chairman, Jim Bobb called the Eastern Apicultural Society of North America Spring Board of Directors Meeting to order at 5:00 p.m.

Roll Call: In order for a director to be able to vote their State/Provincial dues need to be paid. John Tulloch stated that all who were on the web com site were current.

Present on Web Com: Jim Bobb, PA; Kim Flottum, OH; Kathy Summers, OH; Loretta Surprentz, NY; John Tulloch, DE; Will Hicks, NC; Joe Kovaleski, OH; Dave Tarpy, NC; Billy Davis, VA, Steve Genta, SC; Carol Cottrill, ME; Aaron Morris, NY; Dan Conlon, MA; Gerry Fitzgerald, WVA; Bill Mares, VT; Everett Zurlinden, Rhode Island.

Directors Absent: James Blasko, PA; Brenda Kiessling, VA; David Morris, MD; Jennifer Berry, GA; Jim Carmack, AL; Jim Garrison, TN; David Peregrin, NJ; John Baker, CT; Ed Lafferty, RI; Kent Williams, KY; Toni Downs, KY; Warren Seaver, DE.

Secretary’s Report: A motion was made by Steve Genta and seconded by Aaron Morris that the minutes be accepted as presented with one amendment that the Profit and Loss Budget Overview showed a present loss of $2,810. 12/15 voted in favor of the motion, Aaron Morris abstained.

Treasurer’s Report: The Society’s Balance Sheet, and the Profit and Loss plus a Budget Overview as of December, 2009 were electronically transmitted to all Board members prior to the Board meeting. These reports are annexes to these minutes. The Balance Sheet showed Assets in balance with Equity plus Liabilities $134,347.68; and the Profit and Loss Budget Overview showed a present loss of $2,810. Some adjustments will be made once the records come back from the accountants.

The EAS Financial Plan will be submitted during the new business part of the meeting for adoption and implementation. It is a plan that looks at the past, shows the fragility of EAS’s business practices and details a way for EAS to achieve financial stability.

A motion was made by Steve Genta and seconded by Dave Tarpy to approve the report pending audit. All voted in favor of the motion.

Past President’s Report EAS 2009 NY: Kim Flottum stated this was the first Corporate Conference held at Holiday Valley Conference Center in Ellicottville, NY August 3-9, 2009. There were 450 people in attendance. He encouraged more corporate businesses to host an EAS Meeting. They did not make goal because they under budgeted for the speakers. They budgeted for $16,000 and made $13,000. Jim Bobb thanked the A.I. Root Company and all the New York people for a great conference!

President’s Report EAS 2010 NC: Will Hicks and David Tarpy reported that EAS 2010 will be held at Appalachian State University in Boone, NC August 2-6, 2010. There were some parking issues and the University was concerned about having bees on the premises. These issues have been resolved. The dorms are set up as suites. The website will be up and running shortly. Labs are new. The vender rooms are big. The speaker list is strong and growing. Social will be handled by Toni Downs, Brushy Mountain will host the BQ. There will be 36 talks with 12 different workshops. Dave Tarpy has been working on media pictures and articles.

There was one charge which was not anticipated. Pricing needs to be worked out for the Conference. John Tulloch stated that speaker’s compensation needs to be watched closely.

Chairman’s Report: Jim Bobb deferred his report to new business.

Sites:

EAS 2011 RI: The site inspection was done by Dan Conlon, Jim Bobb, Everett Zurlinden and Ed Lafferty. Both Brown University and the Crown Plaza Hotel were visited and have problems. Crown Plaza Hotel is a lot like Holiday Valley. If EAS spends $45,000 in food, they will wavier charges for rooms. EAS needs to obtain a tax exempt certificate from Rhode Island. There is a 20% usage tax for lodging and entertainment. It might be a good idea to work with the Chamber of Commerce to see if they can wavier some of the fees for groups. Everett stated that the chamber was not an option since the 20% usage tax pertains to the General Assembly. There is an RV park nearby and lots of hotels nearby. Airport is five miles away.

EAS 2012: No report from VA.

EAS Vermont: A motion was made by Bill Mares and seconded by Dan Conlon to approve the Bees & Beyond Theme for Vermont. Vote: 15/16 in favor of the motion.

Committees:

Editorial Report: Kathy Summers reported that the electronic Journal was going well. The spring Journal has just been completed. The next deadline will have the registration form in it and will come out mid May.

Membership: Dan Conlon will submit by email, a new member’s packet and asked for Board comments. He suggested that the Chairman of the Board submit a cover letter with the packet and encouraged the board to send any suggestions they have to Dan.

Master Beekeepers: There was no report. A brief review: Brenda Kiessling is the new Master Beekeeper’s representative to the EAS Board and is working on communication with the group; trying to develop Short Course Level 1 by the end of year; and working on a draft for a Youth in Apiculture Scholarship. Brenda asked for feedback on the proposal.

Awards: Jim Bobb reported that the applications were sent out and asked that all be submitted electronically.

Divelbiss Award: request for nominations were sent out. All need to be submitted electronically.

Foundation for Honey Bee Research: Committee: Dave Tarp, Jennifer Berry and Jim Bobb. A $5000 HBR award will be given at EAS 2010. Award information was sent on in early January.

Resolutions: None were submitted. The board asked Aaron Morris to get together with Kathy Summers and Kim Flottum to get thank yous out to the people from New York.

Life Membership: Aaron Morris had reservations as to whether to promote Life Membership seeing that 35% of our membership are Life Members. Life Members are the core of the organization. We need to appeal to Life members to keep them coming back. John Tulloch will submit by email how many members attend the EAS Conferences.

Historian: The Historian report is due at EAS ’211.

Continued on Next Page
Nominations: Connecticut, Indiana, Maine, Maryland, New York, Louisiana, Vermont, New Brunswick, Prince Edward Island.
Vacant states: NH, MS, WI, IL, IN, MI, FL.
Vacant Provinces: Ontario, Newfoundland, Nova Scotia, Quebec.

A motion was made by Aaron Morris and seconded by Joe Kovaleski to nominate Carol Cottrill as the director from the State of Maine. 13/15 voted in favor of the motion.

The board stated that Vermont was elected last year.

Comments from Loretta Surprenant: At the Board Meeting there was a question regarding Vermont’s nomination. Bill Mare was elected last year for a term that ran from 2006-2010 of which Bill was nominated for the last year of that term. Bill will finish the term in August 2010. His name is up for reelection for the term that will run from 2010 to 2014.
Carol Cottrill’s term is up in August 2010. I’m not quite sure why she was elected at the last Board meeting seeing she still is the director from Maine. I have received the nomination letter from Maine and her name will be presented at the Summer Conference.

Webpage: The board felt Rick Hough, our webmaster, was doing a good job and we need to feed him the information that we want on the website. NC is already working with Rick on the 2010 information. Remember: It is everyone’s responsibility to look over the website and to submit timely information to keep it current.

Aaron Morris asked if we had a contingency plan if something happened to Rick Hough. Jim Bobb stated that both PA and MA are on the same server. A contingency plan needs to be looked at.

Old Business: Young Beekeeper’s Award: Billy Davis and Brenda Kiessling will submit a written report and email it to all of the chairs with the Board’s permission. They understand that the money must come externally.

New Business: Dave Tarpy will be looking over our room fees. The board discussed the possibility of purchasing our own sound system and visual aids. The biggest MB’s complaint was the equipment problem. There are sites where we are required to use the conference site’s equipment and technicians. North Carolina has skilled people to run their audio equipment and Vermont will have someone on staff to troubleshoot. It should be left up to each hosting state.

HAS: Bill Mares asked about HAS and EAS relationship. We share board members, and encourage them to meet in a different area from where EAS is meeting. You go where beekeepers are willing to work and put on a conference.

Financial Plan: John Tulloch submitted EAS’ Financial Plan as to what EAS needs to do in the future. The plan consisted of some background on EAS, the need, how to treat the money that we have and recommendations.

John Tulloch explained that when the CD’s became available we need to put them into the investment fund so we can build the fund up to $100,000. EAS can keep out $5000 from the CD for the Honey Bee Research award. We need to be sure that we do not use up our capital gains.

A motion was made by Kim Flottum and seconded by Steve Genta to accept the Financial Plan and in a year review and make any amendments. 14/15 voted in favor of the motion. One abstained.

Kim Flottum thanked John Tulloch for all the work that he put into the Financial Plan.

Jim Bobb asked if the Board liked the Web Com format. 10/15 liked the format. 5/15 no comment.

The board thanked Dave Tarpy for helping get EAS setup on the Web Com.

Adjournment: Having no further business, the meeting was adjourned. The meeting ran for five hours 41 minutes.

Submitted by Loretta M. Surprenant, EAS Secretary
2010 Society Board of Directors

ALABAMA
Jim Carmack 2011
201 17th Ave. N.W.
Birmingham, AL 35215
205.854.8334
director.al@easternapiculture.org

CONNECTICUT
John Baker 2010
52 Headquarters Road
Litchfield, CT 06759
860.567.8427
director.ct@easternapiculture.org

DELAWARE
Warren Seaver 2011
3619 Bayside Dr.
Dover, DE 19901
director.de@easternapiculture.org

FLORIDA
vacant 2011

GEORGIA
Jennifer Berry 2013
1221 Hog Mountain Road
Wattsville, GA 30677
518.899.6113
director.ga@easternapiculture.org

ILLINOIS
vacant 2011

INDIANA
vacant 2010

KENTUCKY
Toni Downs 2012
1315 Watkins Lane
Pleasureville, KY 40057
director.ky@easternapiculture.org

LOUISIANA
vacant 2010

MAINE
Carol Conot 2010
164 Wyman Road
Rumford, ME 04276
director.me@easternapiculture.org

MARYLAND
David Morris 2010
9309 Montpelier Drive
Laurel, MD 20708
301.725.6185
920.485.7767 (cell)
director.md@easternapiculture.org

MASSACHUSETTS
Daniel Conot 2012
Warm Colors Apiary
2 South Mill River Road
South Deerfield, MA 01373
413.665.4513
director.ma@easternapiculture.org

MASTER BKPRS.
Brenda Kiessling 2013
10610 Hunters Valley Rd.
Vienna, VA 22181
703.938.9339
director.mb@easternapiculture.org

MICHIGAN
vacant 2012

MISSISSIPPI
vacant 2011

NEW BRUNSWICK
vacant 2010

NEWFOUNDLAND
vacant 2011

NEW JERSEY
David Peregomn 2011
33 Chestnut Street
Pensville, NJ 07070
856.678.4651
director.nj@easternapiculture.org

NEW YORK
Aaron Morris 2010
P.O. Box 246
Round Lake, NY 12151
518.899.6113
director.ny@easternapiculture.org

ORTH CAROLINA
David Tarry 2012
Ent. Department, NCSU
P.O. Box 7613
Raleigh, NC 27696-7613
919.515.1660
919.515.7746 (fax)
director.nc@easternapiculture.org

NOVA SCOTIA
vacant 2013

OHIO
Joe Kovaleski 2013
167 Rosslyn Blvd.
Stebenville, OH 43952
740.632.7500
director.oh@easternapiculture.org

ONTARIO
vacant 2013

PENNSYLVANIA
James Blassko 2013
789 Country Crest Road
Bedford, PA 15522
814.623.2763
director.pa@easternapiculture.org

QUEBEC
vacant 2010

RHODE ISLAND
Ed Lafferty 2011
423 Fruit Hill Avenue
No. Providence, RI 02911
401.353.6644
director.ri@easternapiculture.org

SOUTH CAROLINA
Steve Genta 2013
3450 Fork Shoals Road
Greenville, SC 29680
864.243.9013
director.sc@easternapiculture.org

TENNESSEE
Jim Garrison 2012
P.O. Box 83
chapel Hill, TN 37028
615.377.7696 (w)
931.364.4454 (h)
director.tn@easternapiculture.org

VERMONT
Bill Mares 2010
429 S. Willard Street
Burlington, VT 05401
802.863.4938 (h)
802.598.6226 (c)
director.vt@easternapiculture.org

VIRGINIA
Billy Davis 2013
P.O. Box 415
Purcellville, VA 20134
540.751.0071
director.va@easternapiculture.org

WEST VIRGINIA
Gerry Fitzgerald 2012
398 Caryyle Road
Martinsburg, WV 25401
director.wv@easternapiculture.org

WISCONSIN
vacant 2012

HISTORIAN
Richard Chapin
RR 1, Box 102A
Montrose, PA 18801
570.278.1094 ph & fax
historian@easternapiculture.org

EAS JOURNAL
Kathy Summers
7011 Spieh Road
Medina, OH 44256
330.461.1081 (c)
330.725.6677, Ext. 3215
journal@easternapiculture.org

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kim@beeculture.com

WEBMASTER
Rick Hough
9 Royal Crest Dr. #12
Nasha, NH 03050
603.459.8844
webmaster@easternapiculture.org

From The Colonies

EAS belongs to most of our region’s State Associations in order to keep up with what’s going on in the Colonies. If we don’t yet belong to your Association, contact Loretta so we can sign up. And, send your newsletter to our Editor so we can keep up.

The Connecticut Beekeepers’ Association (CBA) will hold its Summer Field Day and Picnic on Saturday, June 12th at the CT Agricultural Experiment’s Lockwood Farm in Hamden. Melanie Kemper from Ontario Bee Techs will talk on mites, how to take accurate counts of mites, treatment, methods of feeding and checking for Nosema. We will have our famous Pot Luck Lunch, so come on out and have a good time. For details, go to www.ctbees.com.

On November 20, 2010, the 5th Annual Southern New England Beekeepers’ Assembly will be held at the Unitarian Society in Hamden, CT. Put it on your calendar, and for more information closer to the date, visit www.sneba.com.

The 57th Annual Beaverlodge Beekeepers’ Field Day will be June 25 at the Agriculture & Agri-Food Canada Research Farm in Beaverlodge, Alberta.

Program begins at 10:00 a.m. and includes outdoor demonstrations and talks on the latest research. Guest speaker is Tom Webster from Kentucky State University.

For information contact Steve Pernal, Steve.Pernal@agr.gc.ca.

The Vermont Beekeepers Association will hold their annual meeting July 24 at the Long Trail School in Dorset. Registration and refreshments begin at 8:30 a.m. and meeting runs until 4:00 p.m. A potluck lunch will be served.

The guest is Marla Spivak of the University of Minnesota.

For information contact Bill Mares, 802.863.4938 or bill.mares@gmail.com.

Delaware Valley Beekeeping Course
– July 16-18 in the Feldman Building, Room 114. The cost of the class is $160. Please register early, class size is limited.

Class runs from 9:00 a.m. to 4:00 p.m. each day. Bring your veils and a three-ring binder for the materials that will be distributed. Please do not bring gloves. Bring your lunch, Videos will be shown each day during lunch.

For more information contact Vincent Aloyo, 610.278.1621 or Christopher Tipping, 215.489.2449.
# EAS Membership, and Life Member Dues Payment/Address Correction Form

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

<table>
<thead>
<tr>
<th>Names</th>
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<td>Address</td>
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<td>Phone/Fax</td>
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*What local association do you belong to?*  

| Individual/Family: $25 |  |
| Life Membership Dues: $250 |  |
| EAS Honey Bee Research Grant |  |
| Speaker & Education Fund |  |

**TOTAL** $ __________

Do not send to EAS Journal Editor. Send your check to –

**John Tulloch, EAS Treasurer**  
P.O. Box 29, Blountville, TN 37617 USA