



EAS Foundation for Honey Bee Research Award, 2010

The competition for the EAS Foundation for Honey Bee Research Award was at an all-time high this year with 14 excellent submissions, making the committee's selection a very difficult task. However, we are pleased to announce that a research team from the University of MN is this year's 2010 recipient of the \$5,000 award. Michael Goblirsch and Marla Spivak submitted a request to support their studies titled "The effects of *Nosema ceranae* infection on honey bee health." The committee recognized their request as worthy of support in our annual effort to recognize and support bee research using funds from the EAS Foundation.

Michael Goblirsch is a Masters Student in Dr. Spivak's lab since 2008 after earning a BA from the Univ of MN at Morris in 1996. The subject of his research thesis is in part the subject of this proposal, hence the funds will help bolster student-driven honey bee science. Marla Spivak is the Extension Apiculturist in the Department of Entomology at the Univ of MN, and her current research projects include studies on the benefits of propolis (resin) to honey bees, the interactive effects of nosema, viruses, and pesticides, and bee breeding projects in collaboration with the CA Bee Breeders Association and both the MN/ND Beekeeping Associations.

The committee was compelled by the importance of *Nosema ceranae* as an emerging parasite for beekeepers, which has been speculated to be responsible for large-scale mortality and even CCD. The proposal was further strengthened by the collaborative work with Dr. Zachary Huang at MI State University, who will assist with some physiological assays of the study. The proposed research aims to examine the impact of *N. ceranae* infection on the behavioral ontogeny and physiology of workers, as well as the longevity of adult bees. Their specific objectives are to (1) determine how *N. ceranae* infection affects behavioral development and physiology in honey bees and (2) identify the onset of foraging and life span in workers infected with *N. ceranae*. Findings from this study will be helpful to determine the potential role that this internal gut parasite might play on the health of the honey bee population, as well as provide vital information for beekeepers in their attempts to mitigate its negative effects.

Congratulations to the Univ of MN research team. EAS is pleased to support their study because of its importance to beekeepers and the timeliness of the issue. — David Tarpy

What's Inside

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Spring 2010

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

From the Editor...

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 tells 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.

Kathy Summers, Editor

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EAS 2010 Short Course

August 2-4

MONDAY, AUGUST 2ND

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

2010 SHORT COURSE CONTINUED

TUESDAY, AUGUST 3RD

TIME	INTRODUCTORY	ADVANCED	APIARY	MICROSCOPY
8:00 – 8:20	Introductions and announcements			
8:30 – 9:15	<i>Billy Davis</i> Innovative Nucs	<i>Marion Ellis</i> Bees decision-making (are bees smart?!)		<i>TBA</i> Diseases through the microscope (Sign up in advance when you arrive)
9:30 – 10:15	<i>Barry Thompson</i> Urban Beekeeping: city council and homeowners Assn. rules, liability issues, sting safety, Africanized Bees	<i>Maryann Frazier</i> Pesticides in beehives: what you need to know		
10:15 – 10:45		Break		
10:45 – 11:30	<i>Dean Burroughs</i> Summer colony dynamics: identifying and controlling Varroa mites and Nosema; where bees find forage	<i>Geoff Williams</i> Nosema IPM	<i>Rick Fell</i> Secrets to sampling	
11:30 – 1:00		Lunch		
1:00 – 1:45	<i>Landi Simone</i> Integrated pest management	<i>Debbie Delaney</i> Why genetics are important to beekeeping	<i>Audrey Berry</i> Small Hive Beetle traps	Disease Microscopy Repeated (Sign up in advance when you arrive)
2:00 – 2:45	<i>Rickie Cooper</i> Harvesting, marketing, and labeling	<i>Clarence Collison</i> Pheromones	<i>Don Hopkins</i> Basics of working a hive	
2:45 – 3:15		Break		
3:15 – 4:00	<i>Kent Williams</i> Summary of the bee year: “How I Do It”?	<i>Juliana Rangel</i> The biology of breeding	<i>Medhat Nasr</i> Inspecting your hives like an inspector	Disease Microscopy Repeated (Sign up when you arrive)
4:15 – 5:00	Various Speakers Wrap up Q&A session			
6:00 – 8:00	INFORMAL BARBECUE			

PLEASE NOTE THAT THE SHORT COURSE DOES INCLUDE WEDNESDAY - SEE PAGE 6

Things You Need To Know About EAS 2010

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 Danko, 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.

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EAS 2010 CONFERENCE

August 4-6

WEDNESDAY, AUGUST 4TH

TIME	ROOM 1	ROOM 2	APIARY	MICROSCOPY
8:00 – 8:20	Introductions and announcements			
8:30 – 9:15	PLENARY SESSION <i>Jeff Pettis</i> Factors influencing colony decline in the U.S. and abroad			
9:30 – 10:15	Hambleton Award Winner TBA	<i>Steve Pernal</i> Controlling American Foulbrood		
10:15 – 10:45		Break		
10:45 – 11:30	<i>Jeff Harris</i> Research on VSH stock	<i>David De Jong</i> Stingless bee beekeeping	<i>Gary Reuter</i> Sky fishing with bee breeders	
11:30 – 1:00	Lunch – SEE BELOW FOR AFTERNOON ACTIVITIES AT BRUSHY MOUNTAIN BEE FARM			
1:00 – 1:45	<i>Mike Embry</i> Small Hive B survey	<i>John Skinner</i> eXtension	<i>Billy Davis</i> Making nucs	<i>Deborah Delaney</i> Mitotyping Africanized bees: hands-on genetic analyses(Sign up in advance when you arrive)
2:00 – 2:45	<i>Ann Harman</i> Working Africanized bees	<i>Claire Waring</i> Photography	<i>Larry Connor</i> Basic colony comparisons	
2:45 – 3:15		Break		
3:15 – 4:00	<i>Maryann Frazier</i> Learning from African bees for mechanisms of disease and mite resistance	<i>Bob Cole</i> World beekeeping	<i>Ed Levi</i> In the beeyard	
5:00 – 9:00	WELCOME RECEPTION, BRUSHY MOUNTAIN BEE FARM			

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.

THURSDAY, AUGUST 5TH

TIME	ROOM 1	ROOM 2	APIARY	MICROSCOPY
8:00 – 8:20		Introductions and announcements		
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 TBA	<i>Deborah Delaney</i> Bees in trees: a population genetics perspective		<i>Zachary Huang</i> Dissecting bees
10:15 – 10:45		Break		
10:45 – 11:30	<i>Keith Delaplane</i> USDA-CAP update	<i>TBA</i> Changes in the value of honey bees and other pollinators to U.S. Agriculture 1990 - 2008	<i>Steve Sheppard</i> Putting research knowledge to use	<i>Zachary Huang</i> Dissecting bees
11:30 – 1:00		Lunch		
1:00 – 1:45			<i>Geoff Williams</i> Measuring hives	<i>Bart Smith</i> Lab tests for diseases
2:00 – 2:45	AFTERNOON WORKSHOPS SEE PAGE 12		<i>Juliana Rangel</i> Queen rearing	
2:45 – 3:15		Break		
3:15 – 4:00	AFTERNOON WORKSHOPS SEE PAGE 12		<i>Maryann Frazier</i> In the beeyard	<i>Bart Smith</i> Lab tests for diseases
4:15 – 5:00			<i>Jennifer Keller</i> In the beeyard	

Conference Schedule Continued on Page 12

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Getting 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

www.mountainsofnc.com

www.MountainTimes.com



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

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.

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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 _____ x **\$51** = \$ _____
Conference Meal Package - \$51/person _____ x **\$51** = \$ _____
All Week Meal Package - \$85/person _____ 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 = ____.

Please list who will be sharing a room.

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

Page 2 Total\$ ____
(Rooms, Special Events)

Page 1 Total\$ ____

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

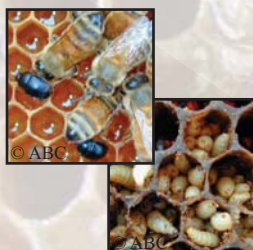
(if using a credit card please include the 3-digit security # on back of your credit card and the expiration date)

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



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- 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.

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2010 EAS CONFERENCE CONTINUED

FRIDAY, AUGUST 6TH

TIME	ROOM 1	ROOM 2	APIARY	MICROSCOPY
8:00 – 8:20	Introductions and announcements			
8:30 – 9:15	<i>Stephen Pernal</i> The biology and control of Nosema			
9:30 – 10:15	<i>Morse Award Winner</i> TBA	<i>Steve Sheppard</i> Importation of germplasm: increasing the genetic diversity of bee stock		
10:15 – 10:45		Break		
10:45 – 11:30	<i>Keith Delaplane</i> Why pollination matters	<i>Mike Embry</i> 2009 EAS Foundation Award: Neonicotinoids and bees	<i>Gary Reuter</i> Record Keeping	<i>Bob Danka</i> Measuring quantitative traits for <i>Varroa</i> selection
11:30 – 1:00		Lunch		
1:00 – 1:45	AFTERNOON WORKSHOPS SEE BELOW		<i>Debbie Delaney</i> In the apiary	<i>Tarpy & Harris</i> Instrumental Insemination
2:00 – 2:45			<i>David De Jong</i> How to handle AHB	
2:45 – 3:15	AFTERNOON WORKSHOPS SEE BELOW		Break	
3:15 – 4:00			<i>Audrey Berry</i> SHB traps	
4:15 – 5:00			In the apiary (TBD)	

EAS 2010 WORKSHOPS		
THURSDAY	SPEAKER	TOPIC
1:00 – 1:45	<i>Wyatt Mangum</i> <i>Mike Hood</i> <i>Steve Gibson</i>	Making top bar hives from wood and weeds SHB research Pesticide labels and training
2:00 – 2:45	<i>Jeff Pettis</i> <i>Michael Young</i> <i>James Wilkes</i> <i>Ron Ochoa</i>	SHB in the winter cluster Cooking with honey Apiary record software Mite biology
3:15 – 4:00	<i>Jon Zawislak</i> <i>Steve Pernal</i> <i>Marion Ellis</i> Debate: <i>Nasr/Skinner</i>	Talking to the press Calibrating and using refractometers Living with <i>Varroa</i> in cold climates TOPIC: Is “organic” truly organic?
4:15 – 5:00	<i>Juliana Rangel</i> <i>John Skinner</i> <i>Kim Flottum</i> Debate: <i>Connor/Harris</i>	The collective consciousness of the hive Using eXtension Producing artisan and varietal honeys TOPIC: Local breeding is the answer
FRIDAY		
1:00 – 1:45	<i>Billy Davis</i> <i>Geoff Williams</i> <i>Gary Reuter</i>	Pitfalls of presentations Nosema research Interpreting the researchers
2:00 – 2:45	<i>Jennifer Berry</i> <i>Steve Gibson</i> <i>Zachary Huang</i> Debate: <i>Sheppard/Delaplane</i>	Effects of pesticides on bees & powdered sugar control of <i>Varroa</i> Pesticides labels and testing Moving bees and its consequences TOPIC: Nosema = CCD
3:15 – 4:00	<i>James Wilkes</i> <i>Ed Levi</i> <i>Medhat Nasr</i> Debate: <i>Fell/Frazier</i>	Apiary record software Honey production Oxalic acid: pros and cons TOPIC: Pesticides residues are bad for bees
4:15 – 5:00	<i>Wyatt Mangum</i> <i>Marion Ellis</i> <i>Virginia Webb</i> Debate: <i>Flottum/Pettis</i>	Research with survivor feral bees & <i>Varroa</i> Talking to youngsters about bees Showing wax for show TOPIC: The worst is over...

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.

taken from Hivelights.

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 the 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



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groups.ucanr.org/WAS/
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Doug McRory Receives CAPA Outstanding Service Award



The Canadian Association of Professional Apiculturists awarded Doug McRory the Outstanding Service Award at their joint annual banquet. Later in the evening Paul Kozak, 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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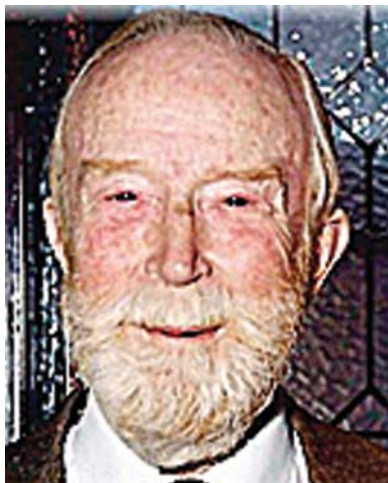
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OBITUARY

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**

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**EAS Board Of Director's Meeting
February 6, 2010
For EAS 2010 Appalachian State
University, Boone, NC Conference
First Meeting held as a Webinar**

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 Web Com 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 Surprenant, NY; John Tulloch, DE; Will Hicks, NC; Joe Kovalski, 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 Peregmon, 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 waiver 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. The board said money has already been allocated for the new 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 '2011.

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 Kovalesski 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 Tarpay 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 Tarpay 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*

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vacant 20011

INDIANA

vacant 2010

KENTUCKY

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NEW BRUNSWICK

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NEW FOUNDLAND

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NEW HAMPSHIRE

vacant 2012

NEW JERSEY

David Peregmon 2011
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NEW YORK

Aaron Morris 2010
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NORTH CAROLINA

David Tarpy 2012
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NOVA SCOTIA

vacant 2013

OHIO

Joe Kovalski 2013
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ONTARIO

vacant 2013

PENNSYLVANIA

James Blasko 2013
789 Country Ridge Road
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PRINCE EDW. ISL

vacant 2010

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RHODE ISLAND

Ed Lafferty 2011
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SOUTH CAROLINA

Steve Genta 2013
3450 Fork Shoals Road
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From The Colonies

News • Events • Gossip From The EAS Beeyard

EAS belongs to most of our region's State Associations in order to keep up with what's going on in the Colonies. If we don't yet belong to your Association, contact 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 Kempers 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 Journal

Kathy Summers, Editor
7011 Spieth Road
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