



## Healthy Bees in Hickory! July 7th, 8th & 9th

Hickory Convention Center, Hickory, NC Hosted by the [Catawba Valley Beekeepers!](#)



Dr. Marion Ellis, retired professor of entomology at the University of Nebraska will highlight the NCSBA Summer Meeting in Hickory. Dr. Ellis is scheduled to make two presentations during the general session, and possibly conduct additional workshops. The first presentation will be *Managing Honey Bees for Honey Production*, and the other on, *How to Use Oxalic Acid to Control Varroa Mites*. Dr. Ellis is a world-class researcher on several topics relating to honeybee health. He retired in 2014 and continues to maintain a rigorous speaking circuit. Please watch this [video introduction](#) to Dr. Ellis and his recent work.

### Other presentations at the summer meeting will include:

*Mite Bites As a Promising Varroa Control* by Jeff Berta

*Stressors That Affect Honey Bee Health* by Dr. Hongmei Li-Byarlay, a post-doctoral associate at NCSU

*The Importance of Nutrition on Colony Health* by Dr. Vanessa Corby-Harris, from the Carl Hayden Bee Research Center in Tucson, Arizona

See you in Hickory!

## Conference Schedule

## Workshop Schedule

## Vendors

## Master Beekeeper Program Testing, Review Session and Q&A

## Registration

Advance registration has ended. You may register on arrival at the meeting. Registration begins at 8:00 AM each day of the conference (except Thursday, when registration starts at 9:30AM).

### Conference Rates:

Individual Registration (NCSBA member): \$45

Family Registration (NCSBA member): \$55

Individual Registration (Non-NCSBA member): \$60\*

Family Registration (Non-NCSBA member): \$70\*

\*Includes 2016 Annual NCSBA membership for the primary registrant. South Carolina & Virginia Beekeepers do not need to join the NCSBA to attend the 2016 Summer Meeting but are welcome to do so.

## Lodging

Several of the hotels are offering discounts to our conference attendees.

[2016 Summer Conference Lodging Recommendations](#)

# SCHEDULE

## Thursday Happenings

Registration in Lobby 9:30 until 4:00

- 9:00 – 12:00 Master Beekeeping Testing (no tests issued after 10:30)
- 9:00 – 12:00 The Master Beekeeping Program: Years 1 thru 3, A review from Certified to Journeyman (open to any attendee)
- 10:00 – 12:00 General discussion / Q and A's with the experts (open to any attendee)
- 10:00 – 6:00 Vendors area is open
- 12:30 – Call to order: Rick Coor, President, NCSBA

- 1:00 Invocation: Brother Allan Blanton  
Welcome: Dan Hunsucker, Catawba County Commissioner
- 1:00 – 2:00 ***Molecular Mechanisms Underlying Physiological and Behavioral Changes in the Honey Bee: Dr. Hongmei Byarlay, NCSU***
- 2:00 – 2:15 Break – visit vendors
- 2:15 – 2:25 Door Prizes
- 2:25 – 3:00 NC Bee Inspector reports
- 3:00 – 4:00 ***New genetics: Mite biting behavior as promising Varroa control: Jeff Berta***
- 4:05 – 4:25 Update for the Celebration of the 100<sup>th</sup> Anniversary meeting of the NCSBA in 2017: Charles Heatherly
- 4:30 – 5:00 Pollination report: Bill Sheppard
- 6:00 – 8:00 Executive Committee meeting

### **Friday Happenings**

Registration in Lobby 8:00 until 3:00

- Opening and announcements:
- 8:15 – 8:30 Paul Madren, 1<sup>st</sup> VP NCSBA  
Johnathan Lutz, President CVBA
- 8:30 – 6:00 Vendor area open
- 8:30 – 9:30 ***New models for state and regional breeding programs: Jeff Berta***
- 9:30 – 9:45 Break and door prizes
- 10:10 – ***Nutrition impact on bee development and colony health: Dr. Vanessa Corby-Harris, Carl Hayden Bee Research Center, Tucson, AZ***
- 11:00
- 11:10 – NCSBA business meeting
- 12:00
- 12:00 – 1:00 Lunch on your own
- 12:00 – 3:00 Master Beekeeping testing (no tests issued after 1:30)
- 1:00 – 1:15 Door Prizes
- 1:15 – 2:15 ***Managing bees for honey production: Dr. Marion Ellis, University of Nebraska***
- 2:15 – 3:30 Introduction to workshops: Doug Vinson  
NC License Tag Report: Sandy Carlson
- 2:30 – 3:30 **Workshops**
- 3:30 – 3:45 Break
- 3:45 – 4:45 **Workshops continue**
- 6:30 – 9:00 NCSBA Awards Banquet and Dinner-Metro Center

### **Saturday Happenings**

Registration in Lobby 8:00 until 12:00

- 8:00 – 8:15 Welcome and announcements: Doug Vinson, 2<sup>nd</sup> VP, NCSBA
- 8:15 – 8:30 Final Door Prizes
- 8:30 Vendor area opens
- 8:30 – 9:20 ***How to effectively use Oxalic Acid to Control Varroa Mites: Dr. Marion Ellis***
- 9:20 – 9:30 Break
- 9:30 – 10:15 ***Bee associated bacteria, pesticides and Varroa: Dr. Corby-Harris***
- 10:30 – 11:15 Speaker forum
- 10:30 – 1:00 Master Beekeeping testing (all tests issued at 10:40)
- 10:30 Silent auction ends
- 11:20 – 11:40 Certified Honey Program report: Kim Underhill
- 11:45-12:15 Bee Aware Science Team report

12:15-1:00 Lunch on your own

1:00 – 2:00 **Workshops**

2:00 – 2:15 Break

2:15 – 3:15 **Workshops**

3:15 – 3:30 Closing remarks: Rick Coor, President, NCSBA

*NOTE: This schedule is subject to change*

## WORKSHOPS

You will notice that workshops are labeled 'Onward' or 'Upward'. Onward classes are for those with less experience, or less knowledge on this subject. Upward classes are for those who have been keeping bees long enough to be comfortable with the basics and hungry for more in depth information on the subject matter to be covered. You encouraged to move back and forth between the two levels as they appeal to you and fit your needs.

### Friday Workshops

#### Session 1: 2:00 – 3:00

Room C	Scheduling and Specialized Equipment needed for Distributing New Genetics	Jeff Berta	Upward
Room M	The versatile queen castle	George McAllister	Onward
Room D	Use of an Epi Pen to Treat Anaphylaxis	Sam Coble	Onward Upward
Room K	The humble Bumble Bee: Identification and artificial domicile	Dr. Marion Ellis	Upward
Room L	Miticides: Current concepts and products	Lewis Cauble	Onward Upward
Apiary	Queen ID and marking	Inspector	Onward

#### Session 2: 3:15 – 4:15

Apiary	Fast and easy ways to spread improved genetics in your region	Jeff Berta	Upward
Room K	Update on research at USDA Bee Lab, Tucson, AZ	Dr. Corby-Harris	Onward
Room C	Nectar, Honey, Pollen and Honey Bees	B. Townes	Onward
Room L	Pollinator protection and Field Watch Program	Pat Jones	Upward
Room E	Are you afraid you are going to goof something up? Well just listen to this!	Will Hicks	Onward

### Saturday Workshops

#### Session 1: 1:00 – 2:00

Room M	Hive weighing to maximize honey production	George McAllister	Upward
Room D	Summer splits and requeening: How to, when, why and why not	Brian Fisher	Upward
Room L	Use of an EpiPen to treat anaphylaxis	Sam Coble	Onward Upward
Apiary	How to read a frame	Inspectors	Onward

#### Session 2: 2:15 – 3:15

Room D	How to get that summer split through winter	Brian Fisher	Upward
Room K	Queen Rearing-Small scale	Adolphus Leonard	Upward
Room C	Nectar, Honey, Pollen and Honey Bees	B Townes	Onward
Room L	Swarm capture and cut out technique	David Thompson	Upward
Apiary	Smoker lighting technique	Lewis Cauble	Onward

*NOTE: This schedule is subject to change*

# MASTER BEEKEEPER REVIEW

## *BEFORE THE CONFERENCE BEGINS!*

### **Room E:**

Written testing begins on Thursday at 9am for all levels: Certified, Journeyman, and Master  
Journeyman and Master Practical testing begins at 10am

### **Room D:**

Review Sessions, Certified through Journeyman. Open to everyone, no charge!

- 9 am – 9:50 Anatomy and Sociology (Development, Colony activities and tasks)
- 10 am – 10:50 NCSBA – MBP, Beekeeping history, Hive Products, and Races of Bees
- 11 am – Noon, Pests and Diseases, Symptoms, and Treatments overview

Join us for one or all three sessions, again open to everyone whether you plan to test or not.

### **ROOM C:**

At 10am we will have a Question & Answer session, this will be an informal open session until noon. All are welcome, we will have several Master Beekeepers to answer your questions. This will be in a panel format and have lots of open discussion so come early. If you don't have a question, listen to the ones others have.