

# Beekeeping Institute

May 9 - 11, 2013

Young Harris College, Young Harris, Georgia



YOUNG HARRIS COLLEGE AND THE UNIVERSITY OF GEORGIA are offering the twenty-second annual Beekeeping Institute, May 9-11,

2013. Since its beginning in 1992, the Institute has become one of the largest and most comprehensive beekeeping educational events in the Southeast. There's something here for everyone - from the greenest beginner to the seasoned professional. The Institute sponsors the Georgia Master Beekeeper Program and partners with the Welsh (U.K.) National Bee Keepers Association to provide North America's premier licensing program for honey judges.

The Institute proper, Friday and Saturday, is a two-day series of lectures and workshops covering a range of beekeeping topics. Facility limitations force us to cap enrollment at 175. If you cannot pre-register, please call first to make sure there's space before you make the trip. Pre-registration deadline is April 30.

Thursday May 9 is dedicated to training and certification examinations for the Journeyman and Master Beekeepers levels as well as the Welsh Honey

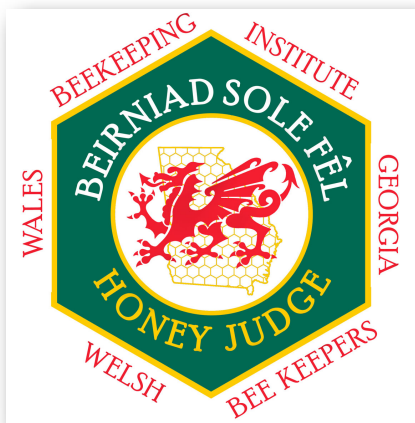
Judge qualifications. Training and certification for the Certified (entry) level are incorporated into the normal activities for Friday and Saturday, and classes recommended for Certified candidates are highlighted in **blue**. Details for these optional programs are included in this brochure.



One of the most rewarding opportunities is the annual Institute Honey Show. Along with honey, the Honey Show accepts entries in photography, art, candles, section comb honey, mead, and

beekeeping gadgets. We urge students to participate in the Honey Show, even if you've never competed before. It costs nothing extra, and it's a fun way to see how your honey compares to your peers'.

We look forward to seeing you at the 2013 Beekeeping Institute!



## Thursday, May 9

is dedicated for those wishing to qualify for the Journeyman, Master Beekeeper, or Welsh Honey Judge certifications. Time will be available on a first-come first-served basis for candidates for the Certified grade to come a day early and practice basic beekeeping skills with an instructor. Master Craftsman audits and exam times by advance appointment.

### About the Master Beekeeper Program

In 2013 the Georgia Master Beekeeper Program (GMBP) is offering qualifications at the Certified, Journeyman, Master, and Master Craftsman levels. If you are interested in beginning this program, sign up for the “Certified exam” on the registration form and attend the conference lectures and exams on Friday and Saturday. If you are sitting for exams at the Journeyman level or higher, then you need to attend the special session on Thursday. Applicants to any level must mark their intention on the registration form and pay the appropriate fees. Payment of fee does not guarantee a passing grade. Questions about the program may be addressed to GMBP director Keith Delaplane at [ksd@uga.edu](mailto:ksd@uga.edu). Aspirants to all grades must meet advance requirements detailed at <http://www.ent.uga.edu/bees/master-beekeeper/index.html>. Applicants at the Certified (entry) level must have had beekeeping experience prior to the Institute. Exam questions are drawn from Institute lectures, lecture notes on the website, as well as other sources publicly available. It is understood that applicants will bring to the exam a degree of independent and prior knowledge. The official reference text for the program is the 2007 edition of *First Lessons in Beekeeping*, Dadant & Sons.



### About the Welsh Honey Judge Certification

The Welsh Bee Keepers Association has partnered with the YHC/UGA Beekeeping Institute to offer training and certification for honey show judges. This is

the first collaboration of its kind between the USA and United Kingdom and has since expanded into a partnering program with the University of Florida. Entry-level students are given opportunity during the Institute to complete the first two of four requirements. The Welsh Honey Judge certification requires (1) attendance at the Thursday training, (2) documented experience as a YHC steward (judge's assistant), (3) documented experience as a YHC honey show judge, and (4) successful completion of an oral examination. For most aspirants this sequence requires two or more years. The oral examination is offered for those candidates meeting all other requirements. The purchase of an official judge's smock and hat is required of those candidates ready to take the exam, and certified judges, when serving as judge or steward, are expected to wear their official uniforms in respect of the standards of the certification. Questions may be addressed to program director Keith Fielder at [kfielder@uga.edu](mailto:kfielder@uga.edu).

Please do not ask Institute instructors for copies of their digital presentations. There are many copyright and intellectual property difficulties.

8:00 am	Journeyman lectures, 113		Master lectures, 116	
9:45	break			
10:15	Journeyman lectures, 113		Master lectures, 116	
12:00	lunch			
1:00-2:30	Open hive time for Certified candidates, behind Maxwell	Journeyman practical examinations, 109	Welsh Honey Judge training lectures, 107	Master practical documentation audits, 116
3:00-5:00	Open hive time for Certified candidates, behind Maxwell	Journeyman and Master written examinations, 116	Welsh Honey Judge examination and audits, 107	

**Friday, May 10** sections in blue recommended for Certified candidates

<b>7:00</b>	<b>registration opens in Maxwell lobby</b>					
<b>8:00-8:45</b>	<b>Queen's effects on her colony, planetarium</b> Tarpy	<b>Getting started: theoretical overview, 108</b> Collom	<b>Biology of individuals, 106</b> Nolan	<b>Biology of the colony, 116</b> Delaplane	<b>Medicine from the hive, 109</b> Steinkampf	<b>Why we use UK honey judging standards, 117</b> Young
<b>9:00-9:45</b>	<b>Queen's effects on her colony, planetarium</b> Tarpy	<b>Getting started: theoretical overview, 108</b> Collom	<b>Biology of individuals, 106</b> Nolan	<b>Biology of the colony, 116</b> Delaplane	<b>Medicine from the hive, 109</b> Steinkampf	<b>Why we use UK honey judging standards, 117</b> Young
<b>9:45</b>	<b>break</b>					
<b>10:00-10:45</b>	<b>Honey bees in the wild, planetarium</b> Seeley	<b>Alternative queen rearing, 110</b> Montgomery	<b>Biology of individuals, 106</b> Nolan	<b>Biology of the colony, 116</b> Delaplane	<b>Getting started: the real thing, behind Maxwell</b> Quinn	<b>Encaustic painting with beeswax, 114</b> Young
<b>11:00-11:45</b>	<b>Honey bees in the wild, planetarium</b> Seeley	<b>Alternative queen rearing, 110</b> Montgomery	<b>Parasites and predators, 116</b> Berry	<b>Pathogens, 106</b> Nolan	<b>Getting started: the real thing, behind Maxwell</b> Quinn	<b>Encaustic painting with beeswax, 114</b> Young
<b>11:45</b>	<b>group photo in front of Maxwell, lunch, honey show entries due in room 107</b>					
<b>1:00-1:45</b>	<b>Bees and mites in the forest, planetarium</b> Seeley	<b>Classical queen rearing, 110</b> Weeks	<b>Parasites and predators, 116</b> Berry	<b>Pathogens, 106</b> Nolan	<b>Getting started: the real thing, behind Maxwell</b> Quinn	<b>Basic honey processing, 117</b> Owens
<b>2:00-2:45</b>	<b>Bees and mites in the forest, planetarium</b> Seeley	<b>Classical queen rearing, 110</b> Weeks	<b>Parasites and predators, 116</b> Berry	<b>Pathogens, 106</b> Nolan	<b>Backyard bee research, 108</b> Steinkampf	<b>Basic honey processing, 117</b> Owens
<b>2:45</b>	<b>break</b>					
<b>3:00-3:45</b>	<b>Honey bee genetics for the beekeeper, planetarium</b> Tarpy	<b>Spring management, behind Maxwell</b> Wallace	<b>Low-tech beekeeping, 106</b> Tillman	<b>Occupational health for the beekeeper, 113</b> Dix	<b>Mead making: the theory, 108</b> Harris	<b>Basic honey processing, 117</b> Owens
<b>4:00-4:45</b>	<b>Honey bee genetics for the beekeeper, planetarium</b> Tarpy	<b>Spring management, behind Maxwell</b> Wallace	<b>Low-tech beekeeping, 106</b> Tillman	<b>Occupational health for the beekeeper, 113</b> Dix	<b>Mead making: the theory, 108</b> Harris	<b>Basic honey processing, 117</b> Owens
<b>5:00-6:00</b>	<b>Certified written exam (same exam, two rooms), 116</b> Katz			<b>Certified written exam (same exam, two rooms), 113</b> Nolan		
<b>6:30</b>	<b>Group dinner, announce newly-qualified Journeymen, Master Beekeepers, and Honey Show winners (included in registration)</b>					

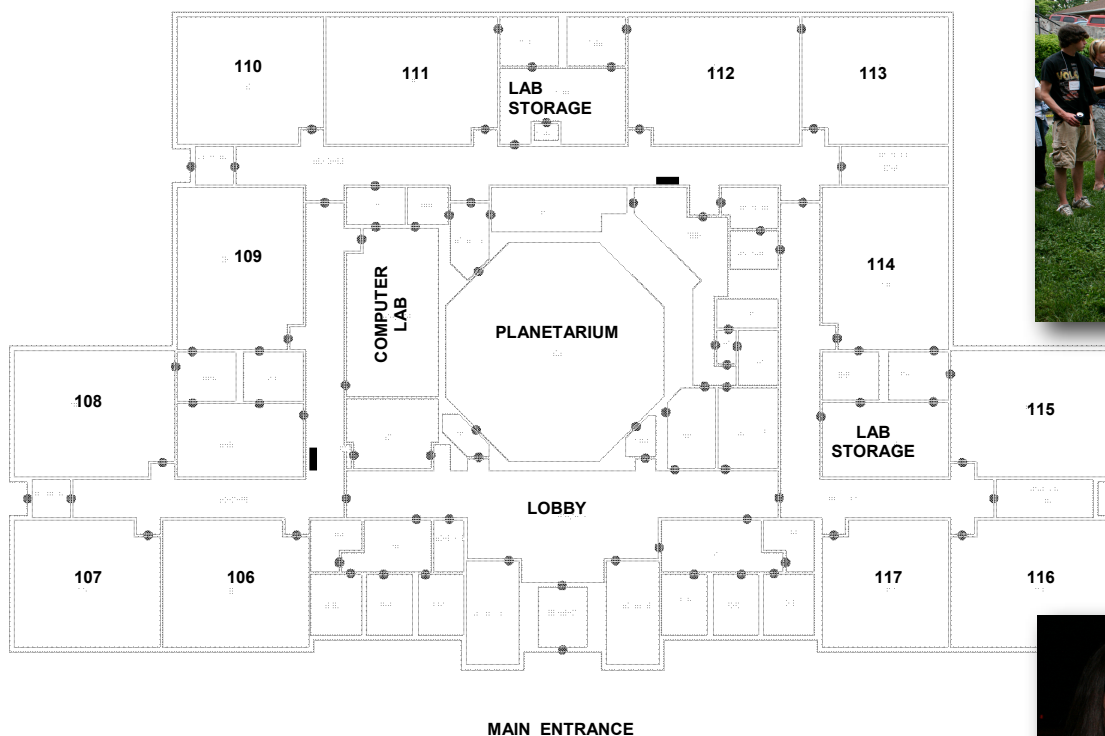


**Saturday, May 11** \*certified practical exam 8:00-11:30; sign up for your individual time at registration desk

<b>7:00</b>	<b>registration opens in Maxwell lobby</b>					
<b>8:00-8:45</b>	<b>Decision-making in the bee colony, planetarium</b> Seeley	<b>Urban beekeeping, 106</b> Hodges	<b>Certified practical exam*, 110</b>	<b>Botanical hive products, 108</b> Ball	<b>Honey plants, 116</b> Fielder	<b>Understanding bee stings, 113</b> Dix
<b>9:00-9:45</b>	<b>Decision-making in the bee colony, planetarium</b> Seeley	<b>Urban beekeeping, 106</b> Hodges	<b>Certified practical exam*, 110</b>	<b>Botanical hive products, 108</b> Ball	<b>Honey plants, 116</b> Fielder	<b>Understanding bee stings, 113</b> Dix
<b>9:45</b>	<b>break</b>					
<b>10:00-10:45</b>	<b>Benefits of polyandry, planetarium</b> Seeley	<b>In search of the perfect hive, 116</b> Steinkampf	<b>Certified practical exam*, 110</b>	<b>Advanced honey marketing, 113</b> Webb	<b>Judging honey, 106</b> Brewer	<b>Mead making: the practice, 108</b> Harris
<b>11:00-11:45</b>	<b>Benefits of polyandry, planetarium</b> Seeley	<b>In search of the perfect hive, 116</b> Steinkampf	<b>Certified practical exam*, 110</b>	<b>Advanced honey marketing, 113</b> Webb	<b>Judging honey, 106</b> Brewer	<b>Mead making: the practice, 108</b> Harris
<b>11:45</b>	<b>lunch</b>					
<b>1:00-1:45</b>	<b>Bee loss, a national perspective, planetarium</b> Tarpy	<b>Pollen analysis of honey, 109</b> Arnold	<b>Candle making, 113</b> Webb	<b>Cooking with honey, cafeteria</b> Young	<b>Equipment construction, 114</b> Funderburg	<b>Management in the off-season, behind Maxwell</b> Wallace
<b>2:00-2:45</b>	<b>Bee loss, a national perspective, planetarium</b> Tarpy	<b>Pollen analysis of honey, 109</b> Arnold	<b>Candle making, 113</b> Webb	<b>Cooking with honey, cafeteria</b> Young	<b>Equipment construction, 114</b> Funderburg	<b>Management in the off-season, behind Maxwell</b> Wallace
<b>2:45</b>	<b>break</b>					
<b>3:00-3:45</b>		<b>Pollen analysis of honey, 109</b> Arnold	<b>Changes to the Welsh judging program, 116</b> Fielder	<b>Cooking with honey, cafeteria</b> Young	<b>Equipment construction, 114</b> Funderburg	
<b>4:00</b>	<b>Announce newly-qualified Certified Beekeepers and adjourn, Planetarium</b>					

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## MAXWELL CENTER - 01

### Honey Show Rules

- Only registered Institute participants may enter.
- Judges, stewards, and show secretary are disqualified from competition.
- Institute reserves the right to limit the number of entries on a first-come, first-admitted basis.
- There are fourteen show classes: (1) extracted honey light, (2) amber, (3) dark, (4) chunk honey, (5) black jar, (6) cut-comb, (7) creamed honey, (8) mead, (9) flavored mead, (10) beeswax cake (a single molded piece of two pounds or more), (11) candle (poured or dipped, straight or ornamental), (12) original bee-related photography, (13) original bee-related art, and (14) beekeeping gadgets. Contestant may enter in any or all classes but may enter only once per class.



• All honey and beeswax entries must have been produced by the

submitter and within the last 12 months. This restriction does not apply to entries in mead, photography, art, and gadgets.

- All entries for honey and candles must be submitted in triplicate: i.e., three matching jars of honey, three boxes of cut-comb, or three candles. The only exemption is black jar; one is enough.
- Submit extracted honey in standard one-pound Gamber or queenline-type jars. Either plastic or glass is acceptable; jars with tamper-proof seals will be disqualified.
- Submit chunk honey in standard one-pound chunk honey jars with wide mouths and straight sides. Insert only one piece of comb in jar.
- Submit mead in clear 750 ml bottles.
- The sole criterion in the black jar class is flavor. Bring entry in a jar spray-painted black.
- Beeswax entries must be pure beeswax.
- Art and photography must be presented in a self-standing frame, and each accompanied with a 3 x 5 card giving the title, artist, and brief "story" behind the piece.
- Do not label products in any way; an identifying code sticker will be assigned to your entry at registration.
- Entries will be accepted until 11:45 AM Friday.
- Judging criteria are selected at the discretion of senior judge. All entries are judged on individual merit; class ribbons are awarded at judge's discretion.

## Registration

Admittance to Institute lectures, classes, group dinner and activities is limited to registered participants with name badges. Plan to arrive early at the registration desk early on Friday or Saturday mornings. You will receive your information packet at the registration table. Pre-registration deadline April 30.

**Please print out this form, write plainly, and mail to Ms. Tabitha Davidson at address below.**

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

Phone (\_\_\_\_\_) \_\_\_\_\_ email \_\_\_\_\_

If you plan to sit for the Journeyman exam or higher, indicate your current level \_\_\_\_\_ and year of receipt \_\_\_\_\_.

Do you consider yourself a  beginner or an experienced  beekeeper? (check one)

### BASIC FEE CALCULATION

18 and older \$110 per person for one day, \_\_\_\_\_ participants x \$110 \$ \_\_\_\_\_

\$175 per person for both days, \_\_\_\_\_ participants x \$175 \$ \_\_\_\_\_

11-18 years old \$50 per person for one day, \_\_\_\_\_ participants x \$50 \$ \_\_\_\_\_

\$80 per person for both days, \_\_\_\_\_ participants x \$80 \$ \_\_\_\_\_

10 and under free

### The following optional fees apply to all participants regardless of age.

Check here \_\_\_\_\_ if you wish to take the Certified Exam (**\$23**) \$ \_\_\_\_\_

*(Note advance requirements detailed in brochure)*

Have you passed one, but not both, of the Certified exams in a previous year? If so, which exam have you passed: the Written \_\_\_\_\_ or Practical \_\_\_\_\_ and what year \_\_\_\_\_?

Check here \_\_\_\_\_ if you wish to take the Journeyman Exam (**\$28**) *(Note advance requirements detailed in brochure)* \$ \_\_\_\_\_

Have you passed one, but not both, of the Journeyman exams in a previous year? If so, which exam have you passed: the Written \_\_\_\_\_ or Practical \_\_\_\_\_ and what year \_\_\_\_\_?

Check here \_\_\_\_\_ if you wish to take the Master Exam (**\$34**) *(Note advance requirements detailed in brochure)* \$ \_\_\_\_\_

Check here \_\_\_\_\_ if you wish to take the Master Craftsman Exam (**\$60**) *(Note advance requirements detailed in brochure)*

Check here \_\_\_\_\_ if you wish to train for (steward) the Welsh Honey Judge Certification (**\$40**) \$ \_\_\_\_\_

Check here \_\_\_\_\_ if you wish to train for (judge) and take the Welsh Honey Judge Certification Exam (**\$55**) \$ \_\_\_\_\_

*(Note advance requirements detailed in brochure)*

*Circle your size for judge's smock: S, M, L, XL, XXL*

Check here \_\_\_\_\_ if you wish to take non-registered guest(s) to group dinner (**\$16.00 each**), \_\_\_\_\_ guests x \$16.00 \$ \_\_\_\_\_

**TOTAL** \$ \_\_\_\_\_

List names of non-registered guests you want printed on name badges for group dinner.

\_\_\_\_\_  
\_\_\_\_\_

Make check payable to **University of Georgia** and mail it and this form to: Tabitha Davidson, UGA Bee Lab, 1221 Hog Mountain Rd., Watkinsville, GA 30677. For additional information contact Ms. Davidson at (770) 329-9449 or [tabithakristine@gmail.com](mailto:tabithakristine@gmail.com).

**Our Special Guests**



**Tom Seeley** is Professor of Neurobiology and Behavior at Cornell University and award-winning author of *Honeybee Ecology*, *The Wisdom of the Hive*, and *Honeybee Democracy*.



**David Tarpy** is Associate Professor of Entomology, Extension Apiculturist at North Carolina State University, and world authority on the social evolution of bees.



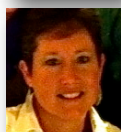
**Michael Young, MBE** is founder of the Institute of Northern Ireland Beekeeping, Senior British Honey Judge, and inspiration for our own Welsh Honey Certification program.

**Paul Arnold** is Professor of Biology at Young Harris College. Paul is co-founder and host of the Beekeeping Institute.



**Dan Harris** is a former employee of the UGA Bee Lab and operator of Booger Hill Bee Company in Danielsville.

**Cyndi Ball** is a beekeeping educator, advocate for sustainable farming practices, and owner of lazy b farms, <http://thelazybfarm.com>.



**Wil Montgomery** is a Georgia Master Beekeeper and long-time supporter of the YHC Institute.

**Jennifer Berry** is Apicultural Research Coordinator and Apiary Manager at the University of Georgia.



**Brett Nolan** is a PhD student at the UGA Honey Bee Lab.

**Robert Brewer** is Towns County Extension Director with the University of Georgia Cooperative Extension Service and co-founder of the Beekeeping Institute.



**Bill Owens** is past-president of the Georgia Beekeeper Association and Georgia's first Master Craftsman beekeeper.

**Robert Collom** is a Certified Beekeeper, Georgia Master Gardener, and beekeeping educator with the Gwinnett County extension service.



**Philip Quinn** is past President and 2011 Beekeeper of the Year of Tara Beekeepers Association and technician at the UGA Honey Bee Lab.

**Keith Delaplane** is Professor of Entomology at the University of Georgia and co-founder of the Institute.



**Michael Steinkamp** is a practicing physician, Director of Alabama Fertility Specialists in Birmingham, and a candidate for Master Craftsman beekeeper.

**Will Dix** is a practicing physician in Athens, a Fellow of the American College of Emergency Physicians, and Journeyman Beekeeper.



**Linda Tillman** is a Georgia Master Beekeeper and host of the popular blog, Linda's Bees at [www.beekeeperlinda.com](http://www.beekeeperlinda.com).

**Keith Fielder** is Putnam County Extension Director with the University of Georgia Cooperative Extension Service and Director of the Institute Honey Show.



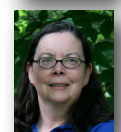
**Damon Wallace** is a Georgia Master Beekeeper from Opelika, Alabama, President of the Alabama Beekeepers Association, and Welsh Honey Judge.

**Lonnie Funderburg** is a Georgia Master Beekeeper and 2-term president of the Alabama Beekeepers Association.



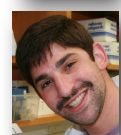
**Nicholas Weaver** is a research technician at the UGA Honey Bee Lab.

**Cindy Hodges** is a Georgia Master Beekeeper, President of the Metro Atlanta Beekeepers Association, and 2012 Georgia Beekeeper of the Year.



**Virginia Webb** is a Georgia Master Beekeeper and 2-time top award winner at the International Honey Show at Apimondia World Congress.

**Eric Katz** is a molecular technician at the UGA Honey Bee Lab.



**Amy Weeks** is a Georgia Master Beekeeper and queen breeder from Louisiana.



Thanks to Cindy Hodges whose photos appear throughout this program.

