

# ARKANSAS ADVANCED BEEKEEPING WORKSHOP

**MAY 26 — 28, 2011**  
**LITTLE ROCK, ARKANSAS**



The University of Arkansas Cooperative Extension Service will present an Advanced Beekeeping Workshop. This three-day short course will include classroom instruction and hands-on demonstrations on a variety of beekeeping topics and techniques. The workshop will be held at the CA Vines 4H Center, near Little Rock.

In order to keep instruction at an advanced level, participation in this course will be restricted to beekeepers with three or more years of experience with honey bees. Enrollment in the course will be limited to ensure that all students will have the opportunity to participate in hands-on activities. A bee yard will be located on site.

**All participants should bring their own protective clothing (veils, gloves, etc.) for working or observing in the bee yard at their own risk.**

Topics to be covered will include honey bee biology, nutrition, queen and package bee production techniques, hive pest management, honey production and more. Our instructors for the short course include talented experts from around the country:



Dr. Clarence Collison is Emeritus Head of the Dept. of Entomology and Plant Pathology at Mississippi State University. He has spent his career teaching and researching many aspects honey bees and beekeeping. He is also an author and regular columnist in *Bee Culture* magazine.



David Burns is the president of the Central Eastern Illinois Beekeepers' Association. He and his family own Long Lane Honey Farm, where they produce queens, nucs, and package bees, and teach beekeeping classes. Find out more on his website at [www.basicbeekeeping.blogspot.com](http://www.basicbeekeeping.blogspot.com).



Ed Levi, one of our state's apiary inspectors, has been a teacher and consultant for the beekeeping industry in many parts of the world. After retiring from his state job this spring, Ed plans to increase his honey business and begin selling queen bees and nucs from his Ozark home.



Dr. Yong Park is a professor in the Department of Agriculture and Entomology at the University of Arkansas Pine Bluff. His research interests include comparing the survival of feral and managed honey bee populations, as well as queen bee breeding and small hive beetle control.



Jon Zawislak is the apiculture specialist for the University of Arkansas Division of Agriculture. He provides information, teaches programs and designs educational materials to support the state's beekeepers, and enjoys introducing new people to the fascinating world of bees.

## THURSDAY - MAY 26

<b>Breakfast &amp; Check-In      7:30 - 8:30 am</b>			
<b>Welcome &amp; Intro      8:30 - 8:45 am</b>			
Young Park "A Closer Look: Morphology of the Honey Bee" 8:45 - 9:30 am			
Ed Levi "Honey Bee Bee-haviors Explained" 9:30 - 10:15 am			
<b>BREAK 10:15-10:30 am</b>			
Clarence Collison "Honey Bee Pheromones" 10:30 - 11:15 am			
Jon Zawislak "Biology of Bee Breeding: Superorganism Genetics" 11:15 - noon			
<b>LUNCH      noon-1:15pm</b>			
	<b>classroom 1</b>	<b>bee yard 2</b>	<b>classroom 2</b>
1:15 PM - 2:00 PM	David Burns  "Queen-Rearing Basics"	Ed Levi  "Swarm Management Demonstration"	Young Park  "A Closer Look At Bees: Microscopy Workshop"  1:30-2:30 pm
2:00 PM - 2:45 PM	David Burns  "Breeder Stock Selection & Record Keeping"	Jon Zawislak  "Marking & Introducing Queens"	
<b>BREAK      2:45-3:00 pm</b>			
	<b>classroom 1</b>	<b>bee yard 2</b>	
3:00 PM - 3:45 PM	David Burns  "Mating Nucs & Finishing Hives"	Ed Levi  "Inspecting Like An Inspector"	
3:45 PM - 4:30 PM	David Burns  "Grafting vs. Non-Grafting Methods"	Speaker Panel  "Open Hive Q&A"	

## THURSDAY - MAY 26

<b>Breakfast    7:30-8:30</b>			
Ed Levi "Intro to Beekeeping IPM" - 8:30 - 9:00 am			
Ed Levi "Varroa Mites: ID, Damage, Biology & Control" - 9:00 - 9:30 am			
Jon Zawislak Small Hive Beetle Management 9:30 - 10:15 am			
<b>BREAK 10:15-10:30 am</b>			
Ed Levi "Diseases of Bee Brood" 10:30 - 11:15 am			
Clarence Collison "Diseases of Adult Bees" 11:15 - noon			
<b>LUNCH    noon-1:15pm</b>			
	<b>bee yard 1</b>	<b>classroom 1</b>	<b>classroom 2</b>
1:15 PM - 2:00 PM	David Burns "Preparing starter hives"	Jon Zawislak "Pollen Collecting & Handling"	Young Park "A Closer Look At Bees: Microscopy Workshop"  1:30-2:30 pm
2:00 PM - 2:45 PM	David Burns "Preparing finisher hives & moving grafts"	Clarence Collison "Bee Nutrition & Feeding Supplements"	
<b>BREAK    2:45-3:00 pm</b>			
	<b>bee yard 1</b>	<b>bee yard 2</b>	
3:00 PM - 3:45 PM	David Burns "Grafting Techniques"	Ed Levi "Varroa Sampling Techniques"	
3:45 PM - 4:30 PM	Hands-on Demo Workshop	Jon Zawislak "Small Hive Beetle Trapping Demo"	

## SATURDAY - MAY 28

<b>Breakfast 7:30-8:30</b>
David Burns "Package Bee Production" 8:30 - 9:15 am
Clarence Collison "Pollination: Biology & Contracts" 9:15 - 10:00 am
<b>BREAK 10:00 - 10:15 am</b>
Jon Zawislak "Arkansas Honey Plants" 10:15 - 10:45 am
Ed Levi "Honey: A Perfect Product" 10:45 - 11:15 am
Jon Zawislak "Marketing Your Hive Products" 11:15 - noon
<b>DISMISS - noon</b>

## Workshop Location:

The C.A. Vines Arkansas 4-H Conference Center is nestled in the foothills of the Ouachita Mountains, just a few miles west of Little Rock. It features a comfortable setting with a modern conference center, lodging and dining facilities. Many rooms overlook the center's lake and landscaped grounds, as well as the wooded, rolling hills surrounding the facility. All guest rooms have private baths, and wireless internet access is provided in guest rooms and on the outdoor patio. Rooms do not include television or telephones. In your spare time, you may feel free to explore and enjoy the grounds with hiking, canoeing on the lake, and other activities.



See the registration form for specific lodging rates. For more information about the accommodations at the center, visit their website at [www.arkansas4hcenter.org](http://www.arkansas4hcenter.org).

## Directions to the Workshop:

### From I-430:

After crossing the Arkansas River from the north, take the first exit - Cantrell/Highway 10 - and travel west (right). Follow Highway 10- 8.5 miles. Turn left onto Ferndale Cutoff (West Pulaski Fire Department will be on the right). Follow Ferndale Cutoff 5 miles to stop sign in Ferndale. Travel another 1.1 miles on Ferndale Cutoff. The 4-H Center will be on the right.

### From I-630:

Stay on I-630 west until the Interstate ends at a stop light at Shackelford Road. Continue through the light. This will be Financial Center Parkway and will turn into Chenal Parkway. Travel approximately 2.5 miles on Chenal Parkway and turn left on the second Kanis Road intersection AFTER THE KROGER STORE (the first Kanis intersection is right before the Kroger store on your left at the second traffic light, so be sure to continue on to the next intersection or you will be headed back to Little Rock). Travel another 1.4 miles and bear left at the "Y". After 5.4 miles, you will get to a 4-way stop at Ferndale. Turn left onto Ferndale Cutoff and continue to travel another 1.1 miles and turn right into the 4-H Center. Watch for signs.

### From I-30:

Exit on Congo Road (in Benton), and travel North. Turn left at the stop sign in Salem. Take a right at the "Y" of Mulberry Road and Congo Road. Take a right at the next "Y" of Steel Bridge Road and Congo Road. Continue to the 4-H Center which is on the left. Total distance from I-30 is 17 miles. Watch for signs.

For specific directions, you may use the interactive map at

<http://www.arkansas4hcenter.org/directions.htm>

or plug the address into your own GPS: **#1 Four-H Way, Little Rock, AR 72223.**

**REGISTRATION FORM**  
**ARKANSAS ADVANCED BEEKEEPING WORKSHOP**  
May 26-28, 2011, Little Rock, Arkansas

The workshop officially begins at 8:30 am on Thursday, May 26, and ends at noon on Saturday, May 28.  
Check-in and registration for the workshop will begin at 7:00 am on Thursday.

**Workshop fee for the short course is \$80 per person, for all three days.**

Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

Name of additional participant registering \_\_\_\_\_

Number of participants: \_\_\_\_\_ x **\$80** = \$ \_\_\_\_\_

**Accommodations**

Please select an option for your meals and lodging at the workshop:

**2 nights lodging + 6 meals**

(stay Thursday & Friday nights, includes Thursday lunch & dinner, Friday breakfast, lunch & dinner, Friday breakfast).

**\$145.00** (per person, double)

**\$165.00** (single)

**3 nights lodging + 7 meals**

(stay Wednesday, Thursday & Friday nights, includes Thursday breakfast, lunch & dinner, Friday breakfast, lunch & dinner, Friday breakfast).

**\$190.00** (per person, double)

**\$220.00** (single)

**Day Rate** - Those who live in the area, or those who prefer to arrange their own accommodations off-site, may commute each day. The day rate includes lunch on Thursday & Friday, as well as coffee and other beverages throughout the day during the workshop.

**\$32.00** per person

**Total for meals and lodging = \$ \_\_\_\_\_**

**Total enclosed (registration + accommodations) = \$ \_\_\_\_\_**

Return this completed form with check or credit card number to  
**Beekeeping Course - Jon Zawislak, 2301 S. University Ave, Little Rock, AR 72204**  
Make check payable to "UA Cooperative Extension"

(check one)  Visa  MasterCard # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Name on card \_\_\_\_\_ 3-digit security code \_\_\_\_\_

Signature \_\_\_\_\_

You may also use your credit card to **register by phone**, by calling **501-671-2226**.  
Participation is limited. **Deadline for Registration is April 30, 2011.**