



# Bee Line

[www.cherokeebeeclub.com](http://www.cherokeebeeclub.com)

NOV/DEC 2009



*You and your family are invited to attend the*  
***Cherokee Bee Club Fall Banquet***

***On Friday, November 20<sup>th</sup> at 7:00pm***

*The event will be held at the American Legion Hall in Canton.*

*We will be having a silent auction. Please bring something to donate for the auction. A Banquet Committee Volunteer will be calling all club members to confirm the head count and what side item you are bringing to share. Everyone is encouraged to be there, including spouses, significant others and kids. Let's share a great evening among club members and friends!*

## **Directions:**

**160 McClure Street, Canton, GA 30114**

**Exit at 16B to Hwy 140 (Hickory Flat Hwy).**

**575N: Go left on 140; 575S: Go right on 140**

**Stay on 140 for .5 miles to Hwy 205 (Marietta Rd.) Go left on Marietta Street for .2 miles. Turn right on Harmon Circle for approx ¼ mile. Turn right on McClure Street. The Legion Hall will be on your right. \*\*\* Due to the recent flooding in the Canton area, the banquet will be held upstairs in the American Legion Hall building.**

### 2009 Calendar of CBC Meetings

\*November 20<sup>st</sup> Holiday Banquet  
John Tackett

\*December\* No Meeting - Happy Holidays!

Regular meetings held on the 3<sup>rd</sup> Thursday of each month at 7:00 PM at the Cherokee Arts Council building in Canton, except those noted with \*.

### Quote of the Month

**Bees work for man, and yet they never bruise Their Master's flower, but leave it having done, As fair as ever and as fit to use; So both the flower doth stay and the honey run.**

*Author: George Herbert  
Source: The Church--Providence*

### Recipe Corner



### Butter Nut Squash Soup

- ½ cup Honey; 2 Tblsp Butter
- 1 Onion, chopped; 3 Carrots, diced
- 2 Cloves Garlic, minced; 2 Celery Stalks, diced
- 1 Potato, peeled and diced
- 1 Butternut Squash, peeled, seeded and diced
- 3 cans Chicken Broth (14.5 oz each)
- ½ tsp dried Thyme, crushed
- Salt & Pepper to taste

In large pot, melt butter over medium heat. Stir in onions and garlic. Cook and stir until lightly browned, about 5 minutes. Stir in carrots, celery, potatoes, squash, chicken broth, honey and thyme. Bring mixture to boil; reduce heat and simmer 30 to 45 minutes or until vegetables are tender. Remove from heat and cool slightly. Transfer mixture to blender or food processor; process until smooth. Return pureed soup to pot. Season to taste with salt and pepper. Heat until hot and serve.

### BUY LOCAL!!!

When you are making your Holiday shopping list, please think about supporting your local artists and store owners.



If you have any bee related items for sale, they can be posted here.

*Subscribe to*

### *Bee Culture & The American Bee Journal*

at reduced rates (25% off),  
as Association Members through the club.

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**Dr. Jamie Ellis will be our  
Guest Speaker for January 2010 !!!**

# Cherokee Beekeepers' Club

## Monthly Meeting Minutes

10/15/2009

President Ryan Sarks opened the meeting at 7:05 pm. Approximately 32 members and guests were present.

### Old Business:

- Ryan identified at least three members/guests that have Club library books or videos checked out and overdue, and asked for assistance in contacting these individuals.
- Bud Champlin and Gerald Phillips informed the membership that the Club's booth won 4<sup>th</sup> place at the Cherokee County Fair. Expenses for the booth are estimated at \$100; the Club received a \$75 prize for the 4<sup>th</sup> place finish.
- Laney Cagle reminded everyone about the November dinner meeting. Laney, Pat Sarks, and Carol Phillips will be calling the membership to coordinate the food and silent auction items.

### New Business

- Bob Behrman is leading the search for 2010 Officer & Board Member candidates. Worth Green, BJ Weeks, Gerald Phillips, and Mike Elliott will be assisting Bob.
- Treasurer Worth Green reported approximately \$4,100 in the Club checking account with anticipated end of the year income of another \$300 and expenses of approximately \$700 – predicting an end of the year balance of approximately \$3,700.
- Ray Hughes and Steve Altom will work with Worth Green as the Audit Committee.

### Presentation

Mike Elliott introduced Virginia and Carl Webb, commercial beekeepers with approximately 500 hives. Virginia is a 3<sup>rd</sup> generation beekeeper; Carl has been keeping bees since 1957. Their honey and hive products are marketed under the Mtn. Honey label. See their web site at [www.mtnehoney.com](http://www.mtnehoney.com).

- Virginia discussed the Georgia Beekeepers' Association's Buzz Fund and left a contribution container with the Club. All members are encouraged to contribute to the Buzz Fund's work in promoting Georgia beekeeping
- In 2005 at the first ever World Honey Show held in Dublin, Ireland and sponsored by the Apimondia, the Webb's sourwood honey won first prize as "Best in the World". And again this year, their honey again took first place in this international honey show.
- Carl's presentation discussed Russian Bees and Sustainable Beekeeping. Carl is a member of the American Association of Russian Beekeepers and is responsible for maintaining two of the 18 lines of Russian bees being studied in the US.

The meeting was adjourned at 8:25 pm.

## Georgia Beekeepers Association Meeting

Where can an aspiring or veteran Beekeeper go to get the latest buzz on Beekeeping in Georgia, meet lots of like minded folks, eat plenty of good food, see interesting entertainment, and see/hold/buy the latest Beekeeper tools and gizmos?

Well that would be at the Georgia Beekeepers Association meeting.

The Fall Meeting this past September was well attended at the Walker County Civic Center in Rock Springs, Georgia near Chattanooga. Some of the presenters included Jamie Ellis (Utilizing Nucs), Keith Fielder (Nectar Bearing Trees and Plants), Tom Seely (Honeybee House Hunting, Forest Bees and Varroa Mites), Dave Mendes (Inside a 10,000 colony migratory outfit), Fred Hossler (Honeybee Anatomy in 3D), and others.

If you've never attended a GBA meeting please consider attending the Spring Meeting. Rumor is that it will be held in Moultrie with an open house at Rossman Apiaries. Now that alone will be worth the trip! See you there!

*CBC Member Steve Altom attended the most recent GA Beekeepers meeting and provided this feedback – Thanks Steve!*



## ***Would you be a Cherokee Bee Club Meeting Hospitality Volunteer?***

*The Club will be having Coffee and “Honey Snacks” at our regular monthly meetings. If you could volunteer to bring a Honey Snack one month next year, please contact Laney Cagle.*

# CBC Library



A Year in the Life of an Apiary	How Do Bees Make Honey
An Introduction to Beekeeping –video	How to Keep Bees and Sell Honey
Beekeeping - A Complete Owner's Manual	Increase Essentials
Beekeeping - A Practical Guide	Just Add Honey
Bees - Lectures By Rudolf Steiner	Observation Hives: How to Set Up, Manage, and Use an Observation Hive
Bees in America - How The Honey Bee Shaped a Nation	Practical Beekeeping
Bees Were Their Business	Queen Management
First Lessons in Beekeeping	Queen Rearing and Bee Breeding
Following The Bloom - Across America w/ Migratory Beekeepers	Setting Up a Package Swarm
Health and The Honey Bee	Small Scale Honey Harvesting
Hive Management: A Seasonal Guide for Beekeepers	The Candle Maker's Companion
Honey - From Hive to Honey Pot	The Class Room
Honey and Your Health	The Healthy Taste of Honey
Honey Bee Biology & Beekeeping	The Joys of Beekeeping
Honey Bee Disease and Pests 2 <sup>nd</sup> Edition	The Life and Times of the Honeybee
Honey Bee Pests, Predators, & Diseases	The Queen Must Die
Honey Bees and Beekeeping- A Year in the Life of An Apiary	75 <sup>th</sup> anniversary Tribute to Walter T. and Ida Babin Kelly

**"If anyone has outstanding library items, please return them to the NEXT meeting"**

## *Notes from the Editor*

I can't believe it's almost Holiday time again. I know – the older we get – the faster times fly! Make plans to attend the Fall Banquet and go hungry! There is always a lot of really good food there. Thanks go out to John Tackett for securing our venue and for cooking the ham and turkey. Also, keep your eye out for some fun bee related items to contribute to the silent auction.

I hear the Cherokee County Fair went well. The Club's Booth won Fourth Place. Bud and Michael will have the Photo Display at the Holiday Banquet. I apologize in advance for not having the full list of Honey Judging winners, but I did want to share what I know for sure. I promise to include more info as I'm able to find out! Joe Schepers won 1<sup>st</sup> place in the Light Honey Division, with Bud Champlin taking 3<sup>rd</sup>, and Doug Rau took 3<sup>rd</sup> for Cut Comb. Thanks for all the efforts put into our Fair Booth and Congratulations to all!

The CBC Planning Committee will be gathering soon to discuss what will be in store for next year. Please offer your creative & constructive suggestions as to what could be changed or some fresh ideas for making ours the best Beekeepers Club around.

If you have any articles you'd like to share, or if you would like to list anything for sale, please send them to me or call. I'd really appreciate some contributing reporters! Laney Cagle, [lane714@tds.net](mailto:lane714@tds.net), 770-893-2635

*\*The opinions expressed in articles in the BeeLine are of the writer & not necessarily of the CBC Membership\**

# Harvard's robotic bees generate high-tech buzz

## **National Science Foundation RoboBee project could lead to tiny smart sensors, low-power breakthroughs, better understanding of the bee world.**

Harvard researchers recently got a \$10 million grant to create a colony of flying robotic bees, or RoboBees to among other things, spur innovation in ultra-low-power computing and electronic "smart" sensors; and refine coordination algorithms to manage multiple, independent machines.

The 5-year, National Science Foundation-funded [RoboBee project](#) could lead to a better understanding of how to [artificially](#) mimic the unique collective behavior and intelligence of a bee colony; foster novel methods for designing and building an electronic surrogate nervous system able to deftly sense and adapt to changing environments; and advance work on the construction of small-scale flying mechanical devices, according to the [Harvard RoboBee](#) Web site. The RoboBee scientists will create robotic bees that fly autonomously and coordinate activities amongst themselves and the hive, much like real bees. They anticipate the devices will open up a wide range of discoveries and practical innovations, advancing fields ranging from entomology and developmental biology to amorphous computing and electrical engineering, the researchers stated.

The Harvard researchers will build upon previous microrobotic work done by the university that led to the creation of [a life-sized robotic fly](#) in 2007. The bees will be made up of a variety of technologies including UV and optical sensors as well as pollination and docking capabilities, the researchers stated. In addition, achieving autonomous flight will require compact high-energy power sources and associated electronics, integrated seamlessly into the 'body' of the machine, researchers stated.

The research team aims to drive research in compact high-energy power sources, ultra-low-power computing, and the design of distributed algorithms for multi-agent systems. Furthermore, the RoboBees created will provide unique insights into how Mother Nature conjures such elegant solutions to solve complex problems. The researchers cite pollination as one of those challenges. Bees coordinate to interact with complex natural systems by using a diversity of sensors, a hierarchy of task delegation, unique communication, and an effective flapping-wing propulsion system, researchers stated.

Beyond pollination and assisted agriculture, coordinated robotic insects could have help rescue workers for search and rescue and hazardous environment exploration applications. High fidelity environmental monitoring, traffic monitoring, and mobile sensor networks are just a few examples of the future impact of coordinated RoboBees, researchers stated.

Apparently though the RoboBees will lack one thing regular bees are known for, a stinger.

The RoboBee research is just one of three NSF-supported [Expeditions in Computing Energy](#) projects awarded this year. The others included efficient computers designed for custom applications and new tools to make air travel safer and healthcare interventions more effective.

By [Layer 8](#) on Wed, 10/07/09

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**Worth Green, Sec/Tres.**  
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**B. J. Weeks, Board Member**  
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