From Your President…

Happy New Year!! My wish for each member is to make this year the best for their chapter and the NCSBA.

You have an outstanding Executive Committee that continues to work hard for improvements. They have been working for some time to upgrade our administrative data and Web Page. By the time you receive this NC Bee Buzz, you will notice that our web page is up and running and the AMS has been implemented.

You will notice that each chapter has a mini-website. Those that already have a website can link over to their larger site or remain with their old website. Our Membership (continued page 2, see Secretary)

Look Inside!

- Busy Fall for 5 County Beekeepers (page 14)
- Cooking It Right With Honey (page 25)
- Directions to Spring Meeting (page 24)
- Discover the World of Beekeeping (page 6)
- EAS 2013 (page 4)
- Mover and Shakers of Beekeepers Chapters (page 26)
- SCBA/NCSBA Advance Registration Form (page 22)
- SCBA/NCSBA Spring Meeting Schedule (page 20)
- Second Year Beekeepers Win... (page 13)
- The Great Charlotte Bee Venture (page 16)
- The Pros and Cons of Live and Let Diet (page 8)
- Troxler Encourages Farmer to Take Part in 2012 Census (page 31)
- 2013 North American Beekeeping Conference & Trade Show (page 12)
Secretary/Webmaster, Carl Caudle will provide information and training guidelines. It is important that each NCSBA chapter appoint someone to be trained on the use of these long awaited programs. Thanks for your patience and understanding.

January 11, 2013, North Carolina State Beekeepers will have celebrated their 96th Anniversary. We have grown from a small group of dedicated Beekeepers to over 3000 active members. Let's keep the number growing.

NCSBA will have honey sales again at the NC State Fair for 2013. Plan now to sell honey to NCSBA for this important project. As in the past each
NCSBA member in good standing can sell up to 120 pounds.

There will be three collecting points for you to deliver your 2013 honey to be weighed, bottled and labeled. The project manager for this year will post the 2013 guidelines in the next issue of the *NC Bee Buzz*.

The 2013, NC/SC joint spring meeting will be held in Rock Hill, SC, March 1 & 2. More information can be found online at the South Carolina Beekeepers Association site at [http://www.scstatebeekeepers.org](http://www.scstatebeekeepers.org) NCSBA’s Summer Meeting will be held July 11-13, 2013 at Sandhills Community College, in the Southern Pines-

(continued page 4, see Pinehurst)

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**NC BEE BUZZ and NC eBUZZ DEADLINES ANNOUNCED!**

You asked for it, now here it is!

Until further notice, you can count on these deadlines for submissions to the NC Bee Buzz and NC eBuzz:

- January 2
- April 2
- July 20
- October 2

Newsletters will be available approximately five to six weeks after the deadline, as it takes the printer four to six weeks to print and mail them.

Want your newsletter sooner? The eBuzz is on the website the day the paper version goes to the printer!

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**SCBA/NCSBA SPRING JOINT MEETING**

March 1 & 2, 2013
Hosted by SCBA
Rock Hill, SC

The time to Register is NOW!
(Pinehurst, continued from page 3) Pinehurst-Aberdeen area of Moore County. Plans are being made to have our Spring Meeting March 5-8, 2014 at the Convention Center in Wilmington, NC.

Greg Clements, our MBP committee chairperson, will test those wishing to advance to Journeyman and Master Beekeeper at this spring meeting in Rock Hill, SC. Study guides for each level are posted on NCSBA web page. All Certified level test will be held at the local chapters. To take tests at each level one must be a NCSBA active member. Local chapters will need to coordinate with Greg Clements for Certified test materials (gclements@worldpatents.com).

Safe driving; see you in Rock Hill, SC

**EAS 2013**

**West Chester, Pennsylvania**
**August 5-9, 2013**

Swarm to West Chester University for the 2013 EAS Conference and Short Course hosted by the Pennsylvania State Beekeepers Association.

Located 25 miles west of Philadelphia International airport, EAS 2013 will feature Local, Regional and National Experts giving lectures and workshops, plus a long list of other beekeeping activities.

During the 2013 program we will focus on our relationship with honey bees and how they connect us with the environment and other people. We are planning to engage growers and gardeners, educators, other beekeepers and beekeeping organizations both at home and abroad.

Tom Seeley, Michael Palmer, Dennis vanEngelsdorp, Debbie Delaney, Warren Miller, Mark Winston, plus a long list of Local, Regional and National Experts Highlight EAS 2013

For details, go to [http://www.easternapiculture.org/conferences/eas-2013.html](http://www.easternapiculture.org/conferences/eas-2013.html)

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**Advertisement Schedule for NC Bee Buzz/eBuzz and Yellow Book**

- **NC Bee Buzz:**
  - Full page (four annual issues of the same ad) $400.00
  - Full page (single issue) $125.00
  - Half page (four annual issues of the same ad) $200.00
  - Half page (single issue) $62.00
  - 1/4 page (four annual issues of the same ad) $100.00
  - 1/4 page (single issue) $32.00

- **Yellow Book:**
  - Full page (single issue) $75.00
  - Half page (single issue) $40.00
  - 1/4 page (single issue) $25.00

Purchase ads by contacting NCSBA Ad Manager Jim Harvey at jh3d754h@yahoo.com or 336-352-5514.

Submit NC Bee Buzz/eBuzz ads in JPG or TIFF format to Susan Fariss at NCBeeBuzz@PeacefulValleyHoney.com and Yellow Book ads also in JPG format to Amy Moyle at amymoyle@gmail.com

The NC Bee Buzz/eBuzz is issued four times a year.

Each NC Bee Buzz/eBuzz page is 6¼x9.

The Yellow Book is issued annually.

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• Smokers
• Hand Tools
• Beeswax Foundation
• Books; American Bee Journal
DISCOVER THE WORLD OF BEEKEEPING

(And Now for Something Completely Different)

by Ann W. Harman

It’s time to change your vacation plans for 2013. Why? Well you have an opportunity to mingle with thousands of beekeepers from all over the world.

Where? You can attend the 2013 Congress of Apimondia being held from September 29 through October 4, 2013. This time it will be in Kiev, the capital city of Ukraine.

Beekeeping in Ukraine has a very long history. In fact you can see this when you visit the beekeeping museum. It is such fun to see tree trunks carved into beehives.

The hives represent people and a few animals, too. You will also see ancient hives and their progression to very fanciful ones from the 1800s. I have been to the museum several times and enjoyed my visits very much.

Kiev is a beautiful, historic and vibrant city. I enjoyed walking through the older part of town. I call Kiev the “birthday cake” city because many of the older buildings are painted pink or blue or green with fanciful white trim.

The old, famous church of St. Sophia is breathtaking. Huge and lavishly decorated, it is part of your city tour. When you visit the Lavra, the monastery, you will be shown the beehives there and discuss beekeeping through the ages at this World Heritage site.

Kiev has many cafes and good restaurants; Ukrainian food is delicious. However, you will find other restaurants, too, such as Italian, Chinese, etc.

At the Congress you have choices of presentations. The days’ programs will be divided into topics, such as bee health, parasites and diseases, bee biology, apitherapy, and others. The presenters, many of them world famous, come from around the world.
Not to worry, the official language of the Congress is English! So you can study the program and pick topics you find interesting. You are sure to be busy all day.

The trade show is huge! You will want to spend quite a bit of time visiting the vendors and their equipment displays. The vendors also come from all parts of the world. Where else can you have a taste of honey from Hungary, see hive tools from Italy, look inside extractors from France, and puzzle over unique hives designed by inventive beekeepers?

Included in the program are Technical Tours. You will be able to visit apiaries where Ukrainian beekeepers will welcome you. You will be able to see their bees (they are nice and gentle) and see honey production methods and queen rearing. In addition, some of the tours will include famous sites in and near the city.

Contests are another part of the Congress. You can certainly enter honey, photography, and books, among other items. This year some of the contests are specifically for children to enter. Who knows; you might come home with a ribbon.

Apimondia Congresses are held every two years. One reason you might want to consider Ukraine is that in 2015 the Congress will be held in South Korea, quite a longer distance away.

Here is where you can find out all the current information (updated frequently): apimondia2013.org.ua/en/ That is the Congress website in English. You can also find out more about the Apimondia organization itself at: Apimondia.com/en

Make your plans now! I’ll see you there.

In addition I am happy to answer questions about Apimondia (I have attended a number of Congresses) and Ukraine (I have worked with beekeepers all around the country).

---

Dear Wade:

Please apply the enclosed donation of $_____________________ to the NCSBA Apicultural Science Fund to be used by Dr. David Tarpy and Don Hopkins, at their discretion, in support of their efforts on behalf of NC beekeepers.

Mail your check payable to the NCSBA and mail it to:

Wade Lucas, NCSBA Treasurer
2425 Trellis Court
Raleigh, NC 27616
For all you fans of James Bond out there, you can relate to the following analogy of equating various honey bee pests with Bond villains.

• Auric Goldfinger has to be American foulbrood, one of the original and most memorable diseases who really helped launch our respective State Apiary programs just like Goldfinger defined the Bond villain in the then-fledgling Bond franchise.

• Mr. White is IAPV (Israeli Acute Paralysis Virus), linked by some to Colony Collapse Disorder: relatively new on the scene, mysterious, and hard to pin down.

• Emilio Largo from Thunderball reminds me of chalkbrood, with the white hair and black eye patch not unlike those spore-ridden mummies that pesky fungus create, but otherwise harmless (without stealing an atomic bomb, at least).

• Rosa Klebb, the Russian arch-villain, is about as harmless as sacbrood; compared to the others, a poison-tipped blade in a shoe isn’t really all that scary anymore.

• Dr. No from the very first Bond film of the same name was a Chinese nuclear physicist aimed at holding the West for ransom, just like wax moths were the first notorious pest of beekeepers but have lost their notoriety in light of newer diseases.

• Elliot Carver, the media mogul modeled after Rupert Murdock, created fictitious military conflicts to sell newspapers. He is clearly analogous to tracheal mites (internal, blood-sucking parasites—need I say more?!).

• Janus, the double-agent from GoldenEye is named after the two-faced Roman god, is just like Nosema disease with its two forms Nosema apis and the newer N. ceranae.

While each posed their own problem for James Bond and MI-6, none live up to the notorious Ernst Stavro Blofeld—the bald, scarred, cat-petting super-villain that keeps...
popping up from movie to movie and served as Bond’s great nemesis. Just as he was “Number 1” in SPECTRE (SPECIAL EXECUTIVE FOR COUNTER-INTELLIGENCE, TERRORISM, REVENGE AND EXTORTION), Blofeld quite obviously represents public enemy #1 to beekeepers, which of course is the varroa mite: ubiquitous, insidious, and devastating.

To take the analogy just a little bit further, Blofeld’s character was summarily dispatched in the opening scene of Roger Moore’s debut Live and Let Die (and hence the demise of SPECTRE from the film franchise). Some beekeepers and apiculture scientists have argued that the same approach is the best answer to finally defeating varroa mites.

The “live and let die” approach to varroa control is based on the premise to allow natural selection to take its course—impose the (extremely high) parasite selection pressure on honey bees. Let the “weak” die out so that only the “strong” will survive and leave us with resistant bees.

There have been several studies that have used this approach in an effort to breed bees tolerant or even outright resistant to varroa. These studies have shown that it is possible for bees to be able to co-exist with mites without the need of beekeeper intervention (particularly with chemical controls). In doing so, there is a raging debate as to the means by which this new harmonious balance is reached: by fostering resistance among the bees, or by avirulence among the mites.

The answer? Both. Evidence on the (continued on page 10, see “resistance”)

(“resistance”, continued from page 9)

“resistance” side, a research team in Europe let an isolated population in Sweden of honey bees go unmanaged for 7 years. They called it the “Bond Project”, since they were letting them Live and Let Die (and no, I’m not making that up). This population survived varroa-mite parasitism without chemical treatment, letting those that succumbed die and those that lived reproduce.

The researchers then produced queens from these ‘Bond colonies’, placed them into standard commercial hives, and compared them with those headed by queens from Control colonies (main-land hives regularly treated for varroa using standard chemical applications). Not only were the mite levels lower in the Bond colonies compared to controls, subsequent genomic studies showed that there were indeed genetic differences between the two bee populations, showing that selection really did change the host bees towards being more tolerant of mites.

For evidence on the “avirulence” side, Tom Seeley at Cornell University discovered a population of feral honey bees, all infested with varroa mites, living in an isolated nature preserve in upstate New York. He measured mite levels in the hives using sticky boards over the course of the summer and showed that the number of mites remained relatively low over time (maximum mite drop of 21 mites in 24 hours, well below the suggested threshold for being a problem for the bees). He then raised new queens from one of the captured feral colonies, let them mate in the forest, transferred them back to his research station, and placed them along side an equal number of hives headed by commercially produced queens. He then measured each of the six pairs of ‘Arnot Forest’ hives and ‘New Carniolan’ hives for mite levels every month, again using sticky boards. He showed that mite levels increased over the course of the summer, and they did so similarly in both types of colonies in each pair. These results suggest that the feral bees were not resistant to the mites in some way, but rather that the mites are more virulent in a managed setting compared to a feral setting.

So these studies show that it is indeed possible to reach a new balance with varroa mites by letting bees “live and let die”. However, such an approach will ONLY work under certain conditions.

First, the honey bee population needs to be isolated. Selection only works in closed populations so that the favorable alleles have a chance to increase in frequency. So if you take a live-and-let-die approach but then buy new packages from out-of-state to replenish your colonies every year, you will never make any progress and your bees (and mites) will never be selected for resistance (and avirulence).

Second, a closed population has to be sufficiently large to start out with sufficient (Continued on page 12, see genetic)
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(genetic, continued from page 10) genetic diversity and allow genetic change while avoiding inbreeding. Population genetic studies have shown that this requires at least 50 colonies or more to make this possible.

Third, survival is a very general trait; that is, many other factors influence whether or not a colony dies (e.g., nutrition, other diseases, etc…). Thus the rate of selection for varroa tolerance is much increased by measuring the trait in question (varroa mites). So you will never make a lot of progress by letting bees live and let die if you don’t routinely measure the mite levels in your colonies.

While it is just prior to the new year as I write this article, I predict that this spring will likely see an unusually high level of winter mortality among honey bee colonies. In some ways, this can be predicted by the long-term cycle that beekeepers have experienced over the past year. The previous winter was one of the mildest on record, meaning that the broodless period was shorter than normal or non-existent. This resulted in varroa mites getting a head start in building up their populations, so that they were higher than normal by the end of the season. For beekeepers who did not measure their mite levels or took no action to control their numbers last fall, the long-lived “winter bees” that overwinter in the cluster were unusually parasitized and thus much weaker physiologically than required to survive until the next spring. As such, I predict that there will be many more reports of “colony collapse,” particularly among beekeepers who “live and let die” but do not account for a closed population or routine mite monitoring.

If the Bond villains teach us anything, it is that the criminal mind comes in many forms. But unlike Bond’s ability to eventually overcome the seemingly impossible odds, there is no simple or magical solution. So if you do subscribe to a live-and-let-die approach to beekeeping, this inherently assumes that you keep your population closed and isolated, have a sufficiently large number of colonies (>50 hives), and routinely monitor your mite levels. To do otherwise is to simply allow the SPECTRE of varroa to persist.

David R. Tarpy, NC State Extension Apiculturist, Department of Entomology, NC State University
http://entomology.ncsu.edu/apiculture

2013 NORTH AMERICAN BEEKEEPING CONFERENCE & TRADE SHOW

By the time this goes to press, the 2013 North American Beekeeping Conference & Trade show will have been held in Hershey, Pennsylvania at the Hershey® Lodge, January 8-12, 2013. This conference boasts that it brings the most up-to-date information within the beekeeping industry and the latest products and services offered by their many exhibitors and sponsors.

The 2013 conference is a very special one because the American Beekeeping Federation will be celebrating its 70th anniversary! Your ABF delegates have plans to bring you as much information as they can muster. Stay tuned…or for immediate information about the lineup, go to http://www.nabeekeepingconference.com
Judy Hall and Gretchen Caldwell went to the Hummingbird Festival at Reedy Creek Park in 2009. When they saw the beekeepers table, they both exclaimed “I’ve always wanted to keep honeybees!”.

So they signed up for bee school in January 2010. Their first bees were a “rescued” colony, which didn’t survive long. Undaunted, Judy and Gretchen attended bee school again in January 2011.

Then, they purchased a box of bees with a queen. Unfortunately, that colony flew away after a few weeks. Fortunately, they had also reserved a nuke through the Mecklenburg Beekeepers Association.

That nuke thrived and grew. It was spit in the spring of 2012. In late May they harvested one super, 30 lbs of honey, with the help of their mentors Leslie and Ken Carlson.

Nine quarts of honey isn’t much to share with the friends and family of two beekeepers. But Judy and Gretchen divided the honey into lots of little jars! They saved enough of it to enter Mecklenburg County Beekeepers’ first annual honey tasting contest November 15, and happily took the first place ribbon.

Their bees live behind Judy’s house in Mint Hill, where they have a big field to fly through. The area has a variety of nectars. Some of them are tulip poplar and red maple, flower and vegetable gardens, wild blackberries and fruit trees, and goldenrod and asters in the fall. They are thankful to their bees for knowing what to do, even when Judy and Gretchen aren’t so sure!

Editor’s note: Reprinted with permission from the Ommatidia, The monthly newsletter of the Mecklenburg County Beekeepers Association.

SECOND YEAR BEEKEEPERS WIN INAUGURAL MECKLENBURG HONEY TASTING COMPETITION

1st place, Gretchen Caldwell and Judy Hall

2nd place, Charles Stewart

3rd place, Robert Wilson
It was a busy fall for 5 County Beekeepers. October 6, Wendell, NC welcomed Autumn with its 85th annual Harvest Festival. It is a two day event, celebrated with music, crafts, vendors, a parade and more and 5 County Beekeepers were in the thick of it.

Members Shannon and Steve Baxter, along with their daughters, four year old Anna and three year old Ella, took to the 5 County Beekeepers float which was pulled by a Jeep Cherokee that was transformed into a honey bee.

Next, The town of Zebulon invited the 5 County Beekeepers to participate in their Trunk or Treat Event, October 26. Costumed members Jane Strickland and Brandy Hunter took that opportunity to hand out two ounce honey bears - three hundred of them!

And finally, December 2, 5 County Beekeepers were represented in the Zebulon Christmas Parade by the Baxter family again. Please enjoy the photographs that document the fun.
Kathy Moschel is no ordinary teacher. She has a BA in psychology, a doctor of law degree, her teaching certification, and certification to teach academically gifted students. She taught for five years in the Charlotte Mecklenburg School System, and is in her sixth year at Metrolina Regional Scholars Academy, a K-8 magnet school for highly academically gifted students in Charlotte, NC.

She teaches second grade there and works with the 8th grade class to help prepare them for the NC Bar Association Mock Trial Competition. Soon, these 8th graders will be going on from the regional competition to the state competition.

Kathy Moschel and her second graders spent a quarter of the school year studying insects. In fact, because of the time and effort Ms. Moschel spends teaching students about
insects, she was the recipient of the NC Entomological Elementary Teacher of the Year Award two years ago, given by the NC Entomological Society to teachers (K-12), who use insects in creative ways in the classroom.

But this story isn’t really about Ms. Moschel, as extraordinary as she is. This story is about her students. As Ms. Moschel’s second graders studied the honey bees, they became concerned about Colony Collapse Disorder. Since the students also study entrepreneurship, they decided, at a class meeting, to raise money to help the bees.

As the second graders tell it, the “Bee Venture Business” was done to save the honey bees. As they pondered what they could do to save the honey bees, a plan arose. With the help of Ms. Moschel and Ms. Jones, her assistant, they wrote a business plan. They had decided to make "bee" hair-clips, bee friendship bracelets, bee ornaments, and bee bookmarks, all for $1.00 each.

The young students launched an advertising campaign, which included making posters and putting them up in the school, and visiting each classroom in the school to explain why the bees are so important to our world. Their slogan? "Save the world for a buck!"

The students then made the items, and sold them at lunch time over a period of several days. They worked very hard at this.

These industrious students also wrote a sample letter to a loan officer explaining why the bank should lend them money for their venture. They evaluated the production process, and then, they evaluated the entire venture.

During this time, an entrepreneur guest speaker visited and a beekeeper. Finally, the second grade students visited a small business.

Ms. Moschel says that the students are very proud of their efforts and they are learning that they are responsible for our world and that what they do does matter.

Ms. Moschel, Ms. Jones and the students have chosen to donate this money to Foundation for Honey Bee Research. I know that the Eastern Apicultural Society will be grateful to the teachers and students for the hard work, successful venture and for being chosen to receive the fruits of their labor.

How much money did the students raise? $420.00. Extraordinary people do extraordinary things. These second graders are truly extraordinary people. Never doubt the wee ones - dynamite comes in small packages. Congratulations on your success, Metrolina Regional Scholars Academy second graders, and many thanks.
Workin’ hard for the honey!!

Sure, you work hard every day — but this little guy works harder! Make it easy on both of you with quality equipment from the Walter T. Kelley Co. From brood boxes through extractors and jars, the Kelley Co. has exactly what you need for your honeybees to be successful at what they do best — making honey!

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2013 SCBA/NCSBA SPRING MEETING SCHEDULE  
Friday, March 1, 2013

12:00 Noon  Meeting Registration – Baxter Hood Convention Center Lobby  
            Late Registration Fee - $10 Extra Individual and Family  
            Exhibitor Setup - Baxter Hood Convention Center Lobby

2:00 . . . . . . . Invocation – Jimmy Powell, York County Beekeepers Assoc. Chaplain  
            “Welcome to Rock Hill and Legislative Update” – State Senator Wes Hayes,  
            District 15

2:20 . . . . . . . Announcements and Introductions - Mike Hood, Extension Apiculturist,  
            Clemson University.

2:30 . . . . . . . Presidents’ Comments – Eck Miller (SCBA) and Danny Jaynes (NCSBA)

2:45 . . . . . . . “Monsanto’s Commitment to Honey Bee Health” Jerry Hayes, Monsanto,  
            St. Louis, Missouri

3:15 . . . . . . . BREAK

3:40 . . . . . . . Door Prizes

3:45 . . . . . . . “Enhancing Genetic Diversity in the US Honey Bee Gene Pool” Sue Cobey,  
            Washington State University

4:15 . . . . . . . “Honey Bee Research at the University of Florida” Jamie Ellis, Univ. of Florida-  
            Gainesville

4:45 . . . . . . . Panel Discussion, (questions from the audience)  
            Panelists: David Tarpy, Sue Cobey, Jerry Hayes, Jamie Ellis

6:00 . . . . . . . Adjourn

7:00 . . . . . . . Banquet - Baxter Hood Convention Center - Advance Tickets Required ($18)  
            --Food  
            --Henry Nunnery and the “Old Fogies and Friends” country string band  
            --Keynote Address “Carolina Beekeeping on the South Side” – Mike Hood

9:00 . . . . . . . Adjourn for Evening
2013 SCBA/NCSBA SPRING MEETING SCHEDULE
Saturday, March 2, 2013

8:30 . . . . . . . . . . Announcements and Door Prizes

8:45 . . . . . . . . “North Carolina State University Apiculture Research Update”
David Tarpy, Extension/Research Apiculturist, NC State University

9:15 . . . . . . . . “Worker – Drone Interactions & the Influence of Drone Quality On These
Interactions” Stanley Schneider, Professor, Department of Biology,
University of North Carolina, Charlotte, NC

9:45 . . . . . . . . Break - Visit Exhibitors

10:10 . . . . . . . . Door Prizes

10:15 . . . . . . . . “The New World Carniolan Program, In Its 31st Generation” Sue Cobey

10:45 . . . . . . . . “Impacts of Pesticides on Honey Bees” Jamie Ellis

11:15 . . . . . . . . “Stump the Professor,” Jerry Hayes (questions from the audience)

11:45 . . . . . . . . Announcements and Introduction to Workshops

12:00 State Associations Meet Separately for Business

12:45 . . . . . . . . **LUNCH on your own**

2:00 . . . . . . . . 45 Minute Concurrent Workshops (All sessions will begin at 2:00, 3:00 and 4:00)

1. “How to Use the BEES Network in Your School” David Tarpy
2. “Recognition and Treatment of Bee Diseases” Bart Smith, Entomologist,
   USDA/ARS Bee Lab, Beltsville, MD
3. “What You Need to Know about Africanized Honey Bees” Jamie Ellis
4. “Rearing High Quality Queens” Sue Cobey
5. “Value of Pesticides and Their Proper Use in Beekeeping” Jerry Hayes
6. “Small Hive Beetle Management” Mike Hood

5:00 . . . . . . . . **End - Have a Safe Trip Home !**
ADVANCED REGISTRATION FORM FOR JOINT SCBA & NCSBA
2013 SPRING MEETING, BAXTER HOOD CONVENTION CENTER,
YORK TECHNICAL COLLEGE, ROCK HILL, SC, MARCH 1-2, 2013

NAME(S) ______________________________________ (CHILDREN) _________________________

ADDRESS: ______________________________________ CITY: ______________________________

STATE: _____________________ ZIP CODE:_______________ PH: (        ) _________________

REGISTRATION FEE (Note: These are ADVANCED mail-in fees, WALK-IN fees at the meeting will be $10 higher on individual and family registrations.)

Amount Paid

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<tr>
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(Note: North Carolina beekeepers are not required to join the SCBA to register for this meeting.)

BANQUET MENU: Fried Chicken & Roast Beef, Green Beans, Mashed Potatoes & Gravy, Sweet Potato Souffle, Sour Dough Bread, Variety of Desserts and Tea/Coffee (Buffet Style)

BANQUET TICKETS: $18 ADULTS / $9 CHILDREN (6 yrs or younger)

Banquet Tickets (how many adults): @ $18 ________

Banquet Tickets (how many children) @ $9 ________

ANNUAL SCBA DUES (Year 2013) $10 ________

TOTAL CHECK AMOUNT = ________

PLEASE COMPLETE THIS FORM AND MAIL WITH CHECK NO LATER THAN 20 FEB 2013.
MAKE CHECK PAYABLE TO SCBA & MAIL TO:

Don Van Borsch, SCBA Secretary/Treasurer.
407 Old Plantation Drive
West Columbia, SC  29172

HOTEL RESERVATIONS: reservations are your responsibility. Three nearby hotels have special rates for beekeepers attending this meeting. Please see enclosed map for details.

FOR OFFICE USE ONLY:

Amount Paid: ________ Check No: ________ Date: ________
The South Carolina Beekeepers Association will host a joint meeting with the North Carolina State Beekeepers Association on 1-2, March 2013, at the Baxter Hood Convention Center, York Technical College, Rock Hill, South Carolina. You will find included in this newsletter a meeting program. The Baxter Hood Convention Center is conveniently located near I-77. This will be a very informative meeting and we hope to have a good turnout of South Carolina beekeepers to welcome our many beekeeping friends from the Tarhill State.

You will note on the tentative program that we have some outstanding speakers scheduled for the meeting. These include Jerry Hayes, Monsanto, St. Louis, Missouri; David Tarpy, N.C. State University; Sue Cobey, Washington State University; Bart Smith, USDA/ARS Beltsville, Maryland Bee Lab; Stanley Schneider, UNC-Charlotte; Jamie Ellis, Univ. of Florida, Gainesville; and Mike Hood, Clemson University, Clemson, SC.

You will need to preregister for this meeting. To do so, go to our South Carolina Beekeepers website, scstatebeekeepers.org, to register by PayPal by 20, February 2013. You may also use the mail-in pre-registration form included in this newsletter.

The meeting program on Friday evening will include a delicious meal which will be catered by Jackson’s Restaurant, Clover, SC. Henry Nunnery and the “Old Fogies and Friends” country string band will perform during the meal and the dinner will be followed by our keynote speaker, Mike Hood. We must have an accurate headcount for the meal so you will need to pay in advance with your registration fee. There will be a $10 extra registration fee for beekeepers who show up at the meeting and have not preregistered.

Make your own hotel reservations by contacting the hotel of your choice. The conference center is located about two miles from several hotels including: the Baymont Inn & Suites, rate: $79, breakfast included (803-329-1330), Wingate by Wyndham Inn, rate: $89, breakfast included (803-324-9000), and the Hampton Inn, rate: $104, breakfast included (803-325-1100). It is highly recommended that you make your hotel reservations soon because there are other events going on in the Rock Hill area that weekend.

Other hotels in the area include: Holiday Inn, rate $99, breakfast not included (803-323-1900), Microtel Inn & Suites, rate $98, breakfast not included (803-817-7700), and Towns Place Suites by Marriott, rate $109, breakfast included (ph. 803-327-0700).

Don’t delay; make plans today to attend this exciting meeting!

Editor’s Note: As you may know, Mike Hood will retire from Clemson University on March 31, 2013. Hood commented, “It has been my pleasure over the past 24 years to provide you beekeeping news on the local and national levels.” He also expressed a hardy, “Thanks for your support over the years.”
Directions

From Charlotte, NC
- Take I-77 south to exit 79 (Dave Lyle Boulevard)
- Turn right on Dave Lyle Boulevard
- 3rd traffic light turn left on Hood Center Drive
- At STOP sign, cross road into Baxter Hood parking lot.

From Columbia, SC
- Take I-77 north to exit 79 (Dave Lyle Boulevard)
- Turn left on Dave Lyle Boulevard
- 4th traffic light turn left on Hood Center Drive
- At STOP sign, cross road into Baxter Hood parking lot.

Baxter M. Hood Center
York Technical College
452 S. Anderson Road
Rock Hill, SC 29730
803.981.7100
FAX 803.325.2869

www.hoodcenter.com
EMAIL: hoodcenter@yorktech.com
During Christmas this year I received a newly published honey cookbook, *Cooking with Honey: Recipes from Romancing the Bee*. Deborah DeLong, author of this book, is an expert guide to incorporating honey into your cooking. Her book is a collection of some of her favorite recipes. Here is one of her recipes you might want to try.

**Honey Cheesecake Squares**

All cheesecakes should be made with honey!

- 6 graham crackers (4 ¾ by 2 ½ inch)
- 2 ½ tablespoons sugar
- 3 tablespoons unsalted butter, melted
- 8 oz. cream cheese, softened
- 1 large egg
- 2 tablespoons of milk
- 2 teaspoons finely graded fresh lemon zest
- 1 tablespoon fresh lemon juice
- ¼ cup mild honey

Preheat oven to 325 degrees F. Crumble graham crackers into a food processor, then finely grind with sugar and a pinch of salt.

Add butter with motor running, then press mixture evenly over bottom of an ungreased 8-inch square baking pan.

Bake in middle of oven 10 minutes, then cool 5 minutes.

Meanwhile, blend cream cheese, egg, milk, zest, and lemon juice in cleaned food processor. Add honey and blend filling well. Pour filling over crust and bake in middle of oven until slightly puffed and set, about 30 minutes.

Cool cheesecake in pan, then chill, covered, until cold, at least 3 hours.

Cut into 1 ½ inch squares. Serve with strawberries dusted with confectioners’ sugar.

YUMMY!!!!
THE MOVERS AND SHAKERS OF BEEKEEPING CHAPTERS
(It could be YOUR Chapter, too!)
by Janet Peterson, Chairperson

There was crazy elation and many pats on the back at last summer’s Banquet in Lumberton for Golden Achievement Awards, where not one but three Chapters submitted outstanding documented progress in membership, beekeeping, camaraderie and educational outreach. Each was awarded an Outstanding Chapter of the Year banner, gift certificates to Brushy Mountain Bee Farm, the $300 prize from NCSBA, AND a challenge to come up with a project and receive another $700 to further that momentum of good work. All three met the challenge and here’s what they came up with.

Chatham County Beekeepers, under Mort Mahaney’s leadership, are using the cost share money to expand their educational capabilities by constructing a portable bee booth that will include a wireless hands-free microphone system to use at the festivals and fairs they participate in each year. They usually have to drive four hours to borrow a screened in enclosure.

This audio equipment will also be used for the field days at the Chatham County Community College, where they maintain 5 hives. Member volunteers are building the booth from lumber and screening. Members participating in these events will be accumulating credits toward the Master Beekeeper Program.

Orange County Beekeepers, under Todd Walker’s leadership, are eager to use the money to sponsor two 4H students, providing them with two complete hives each. The membership will provide training and support throughout the year. Their mission is to encourage more young people to take up beekeeping.

Crystal Coast Beekeepers, under Heather Lawson’s leadership, would like to purchase extraction equipment, DVDs, literature on extraction and information about the NC Honey Standard. This helps fulfill their goal of encouraging mentorship. “New-bees” will be given education on disease, hive inspections, education on
the use of the equipment and advice on how to adhere to the NC Honey Standard.

It’s Not Too Late!

For the 2012-2013 award cycle, we hope your chapter has been keeping a record of your meetings and outreach since January 2012. The Entry Form, Guidelines, and more information can be found at www.ncbeekeepers.org on the Member’s Page. It is due at the Spring NCSBA Meeting.

See any member of the GAP committee for questions:

Janet Peterson Chairperson, 828-628-1758 Buncombe County janetpeterson9@bellsouth.net

Mark McCarter, 704-485-8148 Stanley County markm@vnet.net

Martha Ramsey 919-365-3584 Coastal Plains mbramsey@bellsouth.net

Mack Jones 919-222-2077 Neuse Regional mackvJones@hotmail.com

Joe Baker 919-920-0072 Johnston County jbaker3538@aol.com
Spring Bank Bee Farm
298 Spring Bank Road, Goldsboro, NC 27534
Rick and Colin Coor

We produce Italian queens from April until September
Package bees available in March, April and May
# 2012 Permits to Sell Bees

The following dealers have been approved to sell bees in North Carolina and are permitted to sell or ship bees of the said apiary.

In State Companies Permitted to Sell Bees

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
<th>Status</th>
<th>Spring Inspection</th>
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<td>5 County Beekeepers</td>
<td>117 E Franklin St.</td>
<td>Zebulon</td>
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<td>27597</td>
<td>Active</td>
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<td>(919) 269-9333</td>
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<td>7 Stands Bee Farm</td>
<td>1885 Middle Fork Rd.</td>
<td>Hayes</td>
<td>NC</td>
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<td>(336) 957-4744, (336) 984-7768</td>
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<td>A &amp; J Honey Farm, LLC</td>
<td>3243 S. Chipley Ford Rd.</td>
<td>Statesville</td>
<td>NC</td>
<td>28625</td>
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<td>(704) 876-1244</td>
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<td>Albemarle Bee Co.</td>
<td>325868 Austin Rd.</td>
<td>New London</td>
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<td>(704) 463-1233</td>
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<td>Bee Delight Honey Farm</td>
<td>510 Flower House Loop</td>
<td>Troutman</td>
<td>NC</td>
<td>28166</td>
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<td>Beech Mountain</td>
<td>2775 Beech Mountain Rd.</td>
<td>Elk Park</td>
<td>NC</td>
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<td>(828) 793-4525</td>
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<td>Bells Bees</td>
<td>2809 Campbell Rd.</td>
<td>Raleigh</td>
<td>NC</td>
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<td>(919) 859-6734, (919) 417-1506</td>
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<td>Betsey's Bees</td>
<td>1226 Mt. Olivet Church Rd.</td>
<td>Franklinton</td>
<td>NC</td>
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<td>Active</td>
<td>+</td>
<td>(919) 495-1450</td>
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<td>Billy R. Boyd</td>
<td>5803 Old Monroe Rd.</td>
<td>Indian Trail</td>
<td>NC</td>
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<td>Bolick Honey Farm</td>
<td>2215 Trinity Church Rd.</td>
<td>Concord</td>
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<td>Bridges Bee Farm</td>
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<td>Mooresboro</td>
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<td>(704) 473-9599</td>
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<td>Bridges Bee Supplies</td>
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<td>Kings MTN</td>
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<td>610 Bethany Church Rd.</td>
<td>Moravian Falls</td>
<td>NC</td>
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<td>Active</td>
<td>+</td>
<td>(800) 233-7929</td>
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<td>Bryan Fisher</td>
<td>712 Deaton St.</td>
<td>Kannapolis</td>
<td>NC</td>
<td>28081</td>
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<td>Chapel Hill</td>
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<td>+</td>
<td>(919) 942-2006</td>
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<td>Calvin B. Terry Jr.</td>
<td>105 John Street</td>
<td>Vass</td>
<td>NC</td>
<td>28394</td>
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<td>+</td>
<td>(910) 526-1153</td>
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<td>Cape Fear Bee</td>
<td>475 Pleasant Grove Church Rd</td>
<td>Bladenboro</td>
<td>NC</td>
<td>28320</td>
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<td>+</td>
<td>(910) 879-7685</td>
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<td>Carl Chesick, Green Goddess Farm</td>
<td>32 Cedar Hill Road</td>
<td>Asheville</td>
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<td>(828) 779-7047</td>
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<td>Chris Mendenhall</td>
<td>5703 Midway School Rd.</td>
<td>Thomasville</td>
<td>NC</td>
<td>27360</td>
<td>Active</td>
<td>+</td>
<td>(336) 442-9835</td>
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<td>David A. Howard</td>
<td>2713 Joiner St.</td>
<td>High Point</td>
<td>NC</td>
<td>27263</td>
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<td>David Bridgers</td>
<td>118 Wellington Dr.</td>
<td>Wilmington</td>
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<td>Delton Dial</td>
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<td>Cerro Gordo</td>
<td>NC</td>
<td>28430</td>
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<td>Diamond B Farms</td>
<td>185 Lighthouse Rd.</td>
<td>Wallace</td>
<td>NC</td>
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<td>+</td>
<td>(910) 269-0885, (910) 340-0826</td>
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<td>Donnie Smith</td>
<td>599 John Russell Rd.</td>
<td>Raeford</td>
<td>NC</td>
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<td>(910) 875-5640</td>
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<td>Ed &amp; Ruth Whiteley</td>
<td>1247 Salisbury Ave.</td>
<td>Albemarle</td>
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<td>Fourth Creek Honey Farm</td>
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<td>(704) 585-2004</td>
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<td>G&amp;S Beefarm</td>
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<td>Gerry and Libby Mack</td>
<td>121 Hermitage Rd.</td>
<td>Charlotte</td>
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<td>Goodman Inc.</td>
<td>1945 Davis Mtn Rd.</td>
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<td>Guilford County Beekeepers Association</td>
<td>4604 Graham RD.</td>
<td>Greensboro</td>
<td>NC</td>
<td>27410</td>
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<td>(336) 740-1703</td>
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<td>H.L. Carpenter II</td>
<td>1940 Bill Culley Rd.</td>
<td>Polkton</td>
<td>NC</td>
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<td>(704) 272-7154</td>
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<td>Harris Apiaries</td>
<td>10055 Hwy 53 West</td>
<td>White Oak</td>
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<td>(910) 988-6227</td>
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<td>Holbert Bee Supply</td>
<td>P.O. Box 217</td>
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<td>Jeff Ritchie</td>
<td>3901 Piney Rd.</td>
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<td>Mr. Buzz</td>
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<td>Tony &amp; Shirley Harris</td>
<td>120 Norman Drive</td>
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<td>Triple S Bee Farm</td>
<td>3886 Freedom Way</td>
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<td>Troy Poovey</td>
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<td>Vine Applebee</td>
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<td>Wagram Apiaries</td>
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<td>Wayne Hansen</td>
<td>8004 Southway Rd</td>
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<td>Wayne Harle</td>
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<td>P.O. Box 4563</td>
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<td>Wild Mountain Apiaries</td>
<td>875 Will Arrington Road</td>
<td>Marshall</td>
<td>NC</td>
<td>28753</td>
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TROXLER ENCOURAGES N.C. FARMERS TO TAKE PART IN 2012 CENSUS OF AGRICULTURE

RALEIGH — Agriculture Commissioner Steve Troxler is encouraging North Carolina farmers to “speak up” for their livelihood by taking part in the 2012 Census of Agriculture.

Conducted every five years by the U.S. Department of Agriculture’s National Agricultural Statistics Service, the census is a complete count of all U.S. farms, ranches and the people who operate them.

“The census is the only source of uniform, comprehensive agricultural data for every county in North Carolina,” Troxler said. “It’s a chance for farmers to speak up and have some influence on decisions that shape their farms, communities and the industry.”

The census looks at land use and ownership, operator characteristics, production practices, income and expenditures, and other topics. This information is used by all those who serve farmers and rural communities, from federal, state and local governments to agribusinesses and trade associations. Legislators use the data when shaping farm policy, and agribusinesses factor it into their planning efforts.

“By taking part in the census, farmers can help tell the story of agriculture’s importance to North Carolina and its economy,” Troxler said. “It’s a story policy makers need to hear.”

NASS will mail out census forms this month to collect data for the 2012 calendar year. Completed forms are due by Feb. 4. Farmers can fill out the census online using a secure website, www.agcensus.usda.gov, or return their form by mail.

Federal law requires all agricultural producers to participate in the census and requires NASS to keep all individual information confidential.

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Out of State Companies Permitted to Sell Bees

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<tr>
<th>Company Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
<th>Status</th>
<th>Health Certification</th>
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<td>Bob Binse</td>
<td>PO Box 15</td>
<td>Lakemont</td>
<td>GA</td>
<td>30552</td>
<td>Active</td>
<td>+</td>
<td>(706) 782-6727</td>
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<td>Gardner's Apisites / Spell Bee LLC</td>
<td>510 Patterson Rd</td>
<td>Baxley</td>
<td>GA</td>
<td>31513</td>
<td>Active</td>
<td>+</td>
<td>(912) 367-9352</td>
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<td>Glenn Apisites</td>
<td>PO Box 2737</td>
<td>Fallbrook</td>
<td>GA</td>
<td>92088</td>
<td>Active</td>
<td>+</td>
<td>(750) 726-3731</td>
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<td>H &amp; R Apisites</td>
<td>2700 South Macon Street Ext</td>
<td>Jesup</td>
<td>GA</td>
<td>31545</td>
<td>Active</td>
<td>+</td>
<td>(912) 427-7311</td>
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<tr>
<td>Hardeman's Apisites</td>
<td>P.O. Box 214</td>
<td>Mount Vernon</td>
<td>GA</td>
<td>30445</td>
<td>Active</td>
<td>+</td>
<td>(912) 583-2710</td>
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<td>J.J.'s Honey</td>
<td>5748 Chancey Rd</td>
<td>Patterson</td>
<td>GA</td>
<td>31557</td>
<td>Active</td>
<td>+</td>
<td>(912) 647-1564 / (912) 286-0690</td>
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<td>Kona Queen Hawaii, Inc.</td>
<td>P.O. Box 768</td>
<td>Captain Cook</td>
<td>HI</td>
<td>96704</td>
<td>Active</td>
<td>+</td>
<td>(808) 326-9016</td>
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<td>Rosman Apisites, Inc.</td>
<td>3364 A GA Hwy 33</td>
<td>Moultrie</td>
<td>GA</td>
<td>31768</td>
<td>Active</td>
<td>+</td>
<td>(229) 965-7200</td>
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<td>Ruter's Apisites, Inc.</td>
<td>PO Box 394</td>
<td>HempHill</td>
<td>TX</td>
<td>75948</td>
<td>Active</td>
<td>+</td>
<td>(409) 625-1544 / (912) 325-1203</td>
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<tr>
<td>Strachan Apisites</td>
<td>2522 Tierra Buena RD</td>
<td>Yuba City</td>
<td>CA</td>
<td>95593</td>
<td>Active</td>
<td>+</td>
<td>(530) 674-3881</td>
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<tr>
<td>Walter T. Kelley Co.</td>
<td>PO Box 240</td>
<td>Clarkson</td>
<td>KY</td>
<td>42726</td>
<td>Active</td>
<td>+</td>
<td>(800) 233-2899</td>
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It is unlawful to market queens, nucs or hives before the Permit to Sell Bees in North Carolina has been issued. For North Carolina residents, a permit is not required for: (1) the sale of less than 10 bee hives in a calendar year; (2) a one-time going out of business sales for less than 50 bee hives, or (3) the renting of bees for pollination purposes or the movement of bees to gather honey.

Information or application forms for the Permit to Sell Bees in North Carolina are available by writing: Attn: Glenn Hackney, NCDA&CS, 1060 Mail Service Center, Raleigh, NC 27699, calling (919) 233-8214, contacting your local county extension office, or accessing the following site:

http://www.ncagr.gov/plantindustry/plant/apitary/sellbees.htm
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