

TARA TIDINGS



JULY 18TH, 2016

Meeting @ 7:00 p.m.-

Buster Lane

Feeding your Bees



**Tara Beekeepers
Association**



ANNOUNCEMENTS

*Check out the web site
Tarabeekeepers.org*

*Need Donations For
Monthly Prize Drawings*

*<http://www.beeseech.org>
to plant specific native flowers highly beneficial to
the bees in your neighborhood*

-Jeremy Hughes



Follow Us @ Facebook.com/TaraBeekeepersAssociation

ADDITIONAL WEBSITES

Tara beekeepers Association

www.tarabeekeepers.org

Georgia Beekeepers Association

www.gabeekeeping.com

UGA Beekeepers

www.ent.uga.edu/bees



TOOL TALK

July 2016

Yesterday it was 100. My bees were bearding. My housekeeper sent me a picture cause she was worried about them. Normal behavior for this time of year. I watch with anticipation for the rain prediction. We had 100% last nite for about 30 minutes. This whole past week though has been very dry.

The Eastern Apiculture meeting is this month in New Jersey, hope it is cooler. Last year in Ontario it was wonderful weather, I had to bring a sweater as it got to the 50's in the night. Here in Atlanta the air is hot, heavy and yes humid.

I am pulling frames this weekend and am increasing supplementing. I am using the honey bee healthy vitamins and amino acids. Seems to work. So far, I have had one hive get robbed out. But I took the advice from Jim Tew from Young Harris and opened my hives, so it did help stop it, but I think I got their too late. July is one of those months that we should be preparing our hives for winter. If you are going to treat for Varroa now is the time. I don't treat, I am just going to increase the supplementing and check to see if it is ok for another round of probiotics before the Fall. I am investigating now and will let you know. I do know that I only lost one hive over the winter and this was my first year that I used probiotics.

Hope to see you all at the meeting. Keep your tool hive handy and your fire extinguisher near.

- MARY

2016 TARA CALENDAR

July 18th	Meeting @ 7:00 p.m-Speaker:Buster Lane-Feeding your Bees
July 19st	Board meeting @ 6:30 p.m-Pot luck Dinner
August 15th	Meeting @ 7:00 p.m-Speaker:Keith Fielder-Ten most common mistakes made by beekeepers.
September 19th	Meeting @ 7:00p.m-Speaker-Debbie King-RN
September quarterly raffle prize-Smoker	
October 15th	Annual Tara Picnic at Rick & Joann Minters Farm 11:00 a.m
October 17th	NO MEETING THIS MONTH
October 18th	Board meeting @ 6:30 p.m-Pot luck Dinner
November 5th	Short course @ 8:00 a.m. until 4:00 p.m-Kiwanis club Building
November 21st	Meeting @ 7:00 p.m-Speaker: Jerry and Jeanie Edwards- How to make lip balm and lotion with the honey and beeswax you have Honey show and Officer Elections
December 5th	Annual Christmas Party @ 5:45 p.m-Kiwanis club building
December quarterly raffle prize-\$250.00 cash-A Hive-donated by P.N. Williams	

WE NEED YOUR HELP!

Our Board of Directors is still looking for members to step up and
TAKE OWNERSHIP OF YOUR CLUB.

Please volunteer to help with any of the club's various
Jobs, committee positions, and service project assignments

The Club needs volunteers to
Take a turn bringing a dish to our monthly meetings in 2015

Please help with this important effort; our socials following the
monthly meetings offer opportunities to mingle with your fellow
beekeepers and foster cohesiveness in our group.

Here are some other great jobs and positions (to inquire, simply
send an e-mail to president@tarabeekeepers.org):

PROJECTS:

- Hive Inspection Leader

JOB:

- Webmaster
-Website Contributor
-Newsletter Editor
-Newsletter Contributor
-Club Librarian
-Cookbook Contributor

COMMITTEES:

-2015 Picnic
-2015 Audit
-2015 Beekeeper of the year
-2015 Christmas Party

SERVICE:

- Public Speaker in Community

CATCH THE BUZZ – Honey bee circadian rhythms are affected more by social interactions



Circadian rhythms are internal clocks that determine many of an organism's daily rhythms, for example sleep-wake, feeding, urinary output and hormone production. Aligned with the environment by external forces such as sunlight and ambient temperature, circadian rhythms are important for animal health and survival. Disturbances of the circadian clock are associated with a variety of diseases in humans and animals, including cancer, mental illnesses and metabolic disorders, such as diabetes and obesity.

The dominant role of light in adjusting the circadian rhythm to the local environment has consistently been emphasized in studies on individually-isolated animals in laboratories. Interactions with others of the same species, while very important for animal survival and fitness in nature, are not considered important external stimuli that affect the animal circadian clock.

Now, a study conducted by researchers from the Hebrew University of Jerusalem and published in the journal Nature Communications challenges this view.

The researchers performed a set of large scale experiments in which they manipulated social interactions and light exposure for more than 1,000 honey bees in cages, or in freely foraging colonies housed in ob-

servation hives, allowing research in an ecologically relevant context. Every experiment was repeated two to four times, each with bees from a different source colony (which were genetically different).

“We show for the first time that social time cues stably adjust the clock, even in animals experiencing conflicting light exposure and social cycles,” said Prof. Guy Bloch from the Department of Ecology, Evolution & Behavior at The Hebrew University's Alexander Silberman Institute of Life Sciences, who led the study.

The data showed that resetting the circadian rhythm by manipulating the social environment had a robust and stable effect for several days even for 2-day-old bees, which are typically active around the clock with no overt circadian rhythms. Remarkably, young bees that experienced conflicting light and social cycles showed a phase that was more similar to the social cycle. When removed from the hive and monitored individually in constant laboratory conditions, they maintained the phase of the social cycle, meaning this potent social factor does not depend on physical contact with other bees in the colony.

CATCH THE BUZZ – Honey bee circadian rhythms are affected more by social interactions

“This study provides the strongest available evidence for the power of social entrainment, and emphasizes the importance of studying circadian rhythms in a species-specific, ecologically-relevant context,” said Prof. Bloch.

Social insects are ecologically important and offer attractive model systems for studies on the interplay between social behavior and circadian rhythms. The best evidence for the influence of social activity on the internal clock is found in dark cavity-dwelling social animals, such as bees and bats. These species may be especially responsive to social influence, because individuals may not experience ambient conditions directly, but rather rely on information received from

group mates that forage outside their domicile.

This study adds to recent research showing the circadian rhythms in complex natural environments may profoundly differ from those in controlled laboratory conditions. “Studies in the real world will provide a better understanding of the function and regulation of biological clocks,” said Prof. Bloch.

The study also indicates that social signals may be important time-givers for the clocks of other animals, including mammals, and could contribute to the research on sleep and behavioral disorders, as well as for the understanding of the complex life of bee societies.

Editor's Note

If you have an E-mail address, Please send it to me so we can get it in the directory.
Monthly Tara Newsletters are also sent to members by the Internet.

Send me your articles, classified, comments and suggestions.

Mary Cahill-Roberts
404-388-3427
E-mail: maryc7@aol.com



Membership Dues :

Make checks payable to:
Tara Beekeepers Association dues are \$20.00
Per family per year.

Special thanks to the following

WALTER T. KELLY Co.
3107 Elizabethtown Road
P.O. Box 240
Clarkson, KY 42726
Phone: (800) 233-2899



ROSSMAN APIARIES Inc.
P.O. Box 909
Moultrie, GA 31776-0909
Phone: (800) 333-7677
www.Gabees.com

Buster & Fran Lane
3910 Champagne Drive Jonesboro, Ga 30236
770-389-0721 Home
678-492-6007 cell
e-mail BustersBees@yahoo.com