



THE HONEYBEE TIMES

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President's Message

Ahhh, August is here, that means the Fair is just around the corner...

Since the Fair is going on at the same time at the August 10th Meeting, our GCBA Officers will be doing a Fall Prep. Remember, your hive location will determine when you should be doing your Fall Prep: Strongsville, Parma, North Royalton areas will have a sooner prep than those people living in Cleveland or by the Lake.

Be sure to check and treat for Varroa & Hive Beetle, a strong Fall hive stands a better chance of surviving Winter. Make sure to follow the Manufacturer's instructions on all treatments you do to your hive. You have put in a lot of time and money into this hobby and you don't want to jeopardize it using a product/treatment the wrong way.

We had a sign-up sheet at the July picnic for honey extraction and working at the Fair. There is still time to sign-up. You will need to contact me by phone [216-741-3798](tel:216-741-3798) by August 5th. **NO E-MAIL PLEASE!!!**

If you have entered items in the Bee Barn for judging, they **HAVE TO BE placed by no later than NOON on Sunday, August 7th...NO EXCEPTIONS!!!** You can also pick-up your Fair items on Sunday, August 14th between 8:30pm and 10:00pm. Any items not picked up at that time can be picked up in the Fair Office on Monday, August 16th. **Exhibitor tag is required for picking up all items.**

If you signed up to work at the FAIR, the passes will be at Gate #3 ticket office (off Eastland Road) and please note that you will **NOT** receive a reminder call for the date and time you are scheduled to work. Thank You to ALL of the people who signed up to work the FAIR. This is where GCBA makes the biggest impact and we get people interested in the hobby and sign up for classes.

Make sure to hold onto your Fair Premium Entry tag and bring it to the September General Meeting on the 14th for a chance to win a prize!!!

The July picnic was a wonderful time to get a chance to socialize, eat good food and share stories about our bees. The weather was HOT & steamy and the edibles were bountiful!

GCBA is very pleased to announce that we have Dr. Thomas D. Seeley of Cornell University in Ithica, New York as our Keynote Speaker at our 7th Annual Field Day/Conference on Saturday, May 20, 2017 at the Cuyahoga County Fairgrounds in Berea, Ohio. Dr. Seeley is a renown Author of Honeybee Democracy and (most recently) Following the Wild Bees. We already have this Event Posted on our FaceBook Page and more information and a flyer will be coming in the future.

Hope to see you all at the Fair!!!

Larry

Upcoming Events

YES THERE IS A MEETING AUGUST 10TH AT
ROCKY RIVER NATURE CENTER
7-9PM

Topic: Winter Preparations for Your Hive

Come and listen as we discuss things you must consider as you prepare your hive for winter.

Insulation
Feeding
Pests and Diseases
Submitting Samples to Beltsville in Maryland

We will also have a panel of beekeepers to answer your questions.

Questions about the meeting contact
Allyson May
acesaviators@gmail.com



Cuyahoga County Fair August 8-14th, 2016

Researchers Identify How Queen Bees Repress Worker's Fertility

From : <https://www.sciencedaily.com/releases/2016/08/160803072815.htm>

Researchers from New Zealand's University of Otago have discovered the molecular mechanism by which queen honeybees carefully control worker bees' fertility.

It has long been known that worker bees have a very limited ability to reproduce in a hive with a queen and brood present, but in their absence, a third of them will activate their ovaries and lay eggs that hatch into fertile male drones.

It is queen pheromone that represses worker bee fertility, but how it achieves this has remained unclear.

Now, Otago genetics researchers have identified that an ancient cell-signalling pathway called Notch, which plays a major role in regulating embryonic development in all animals, has been co-opted to also constrain reproduction in worker bees.

In research newly published in the journal Nature Communications, Professor Peter Dearden and colleagues Drs Elizabeth Duncan and Otto Hyink demonstrated that chemically inhibiting Notch signalling can overcome the effect of queen mandibular pheromone (QMP) and promote ovary activity in adult worker bees.

Professor Dearden says they were surprised to find that Notch signalling acts on the earliest stages of egg development in the ovary, perhaps even on the stem cells that make the ovary, and that in the absence of QMP the Notch receptor in a key region of worker bee ovaries becomes degraded.

"Without active Notch signalling taking place, the worker bee eggs are now able to mature. This contrasts with its role in fruit fly reproduction in which the signalling is vital for fertility," Professor Dearden says.

He says it is not yet clear whether QMP works directly on ovaries or is acting via signalling between the brain and antennae.

"However it is acting, the outcome is that Notch signalling's fundamental role in the ovary has been modified and transformed in honeybees into social control of worker bees' reproduction," he says.



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