

Frederick County Beekeepers Association

Vol. 2, Issue 4

www.frederickbees.org

December 2016

CALENDAR

**North American Beekeeping
Conference & Tradeshow**

Jan 10-14th, 2017

FCBA Short Course

Jan. 21, Jan. 28 and Feb 4,
2017 (Snow date, February
18th), 9am-3pm

**Walkersville United
Methodist Church**

**Maryland State Beekeepers
Association Winter Meeting**

February 11, 8:00 AM to 4:00
PM, Howard

County Fairgrounds, West
Friendship, MD.

**10th Annual Treatment-free
Beekeeping Conference,**

Michael Bush, Don Downs,
Dee Lusby. Oracle, Arizona,
March 3-5, 2017, [www.
treatmentfreebeekeeping.org](http://www.treatmentfreebeekeeping.org)

**Organic Spring
Management: All Day
Beekeeping Class in
Maryland**

March 25th, 2017

2016 Volunteer of the Year Award!



Congratulations to our own
Dave Maloney as recipient of
the Frederick County Nature
Council's 2016 Volunteer of the
Year Award for his work with
the observation hive located at
Fountain Rock Park.

Fountain Rock Park Naturalist
Kelly Ketzenberger presents

Dave with a crystal award inscribed with a poem composed
by Kelly herself!



**Frederick County Nature Council
Dave Maloney**

*Quietly he comes and goes
Attending the hive
as he only knows,
Answering our calls and many
questions, He's always ready with
helpful suggestions, He can read the
hive like a well-worn book, We are so
thankful he makes the time
for yet another look.*

**"2016 Volunteer of the Year"
Fountain Rock Park**

Congratulations Dave on your
well-deserved award!



**Next
Meeting
Dec 7**

**69 Thomas Johnson
Drive**



**Our State Apiary Inspector
Cybil Preston and certified
AFB dog Mack**

Please register your hive and
consider donating to the **Apiary
Inspectors Fund.**

Office of Apiary Inspector
Md. Dept. of Agriculture
50 Harry S Truman - Annapolis,
Md. 21401
(410) 562 3434

[Click here](#) to download
registration application

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**Volunteer of the Year
Committee/ Member News
New Antibiotic Law**

**FCBA Fountain Rock
Earth Space and Science Lab
(ESSL)**

**Recipes
News & Resources**

Committee News

Ad Hoc Auditing Committee

No updates.

Bylaws Committee

Bylaws approved July 2016. Check [FCBA Website](http://www.fcba.org)

Newsletter Committee

FCBA Newsletter will be published 4 times a year electronically. (March, June, September, December)

Submissions will be asked for prior to publication and all submissions are welcome, as are any suggestions or requests for content.

Ad Hoc Nominating Committee

Martin Posse

Rose Aurigemma

2017 Officers:

President: Liz Baker

Vice President: Wes Bowen

Treasurer: Bill Conyers

Secretary: Deb Turnell

Members at large: David Muns
& Darlene Donaldson

Director of Membership Relations: Dave
Maloney

President Elect 2018: _____

Public Outreach Committee

No updates.

Science Committee Upcoming Speakers

January - Wax Glands in the Honeybee

(Mike Turell)

**February - Possible Correlations Between
Honeybee Colony Losses and Nearby Vegetation**

(April Bolton)

March - Spring Hive Management (Jim Fraser)

Member News

Flying Dog Bee Beer Tasting

A great time was had by all who attended the Flying Dog Bee Beer Tasting. Many thanks go to Justin Tarnow for an informative and entertaining VIP Tour of the Flying Dog Brewery and what went into making the "Bee Beer". Almost 3,000 pounds of sustainably sourced buckwheat honey was used to make the beer as well as some locally sourced bee pollen. They went through about 20 pounds of pollen in total. The pollen contributed to the aroma and also behaved as a yeast nutrient. Thank you Justin for bringing awareness to the plight and importance of the honeybee and other pollinators. Many thanks go to Darlene Donaldson for setting this up!



<http://flyingdogbrewery.com>

FCBA Member Janet Davis takes on the Developers!

Be sure to keep a lookout for ABC's **Seven On Your Side's** program regarding the destruction of pollinator habitat and forage areas by developers in Frederick County. **Seven On Your Side** will be attempting to get developers to replant the denuded areas with native, pollinator-friendly flora—we'll see what they manage to negotiate! Featured will be cameos by local beekeepers Janet and Stephen Davis. It is unknown just when the feature will air, but will be announced on the FCBA website. After this program airs, contact your Frederick County Council and request that we instigate a policy which requires developers to replant 10% (or more) of destroyed areas with native, pollinator friendly plants!

Way to go Janet!

Organic Bulbs and Plants

Niche Gardens—

Native Perennials, Trees & Grasses (does not use Neonicotinoids or other pesticides, herbicides, fungicides)

Seed Savers Exchange

RESOURCES

The Honeybee Conservancy

New Antibiotic Law - January 1, 2017

Excerpt from MSBA Beeline November 2016

On Jan. 1, we expect that certain antimicrobial drugs of human medical importance will change from over-the-counter (OTC) to Veterinary Feed Directive (VFD) for drugs approved to be administered through feed, or to prescription (Rx) status for drugs approved for administration in water. Buying the drug alone does not change whether you will need an Rx or a VFD, the use it is approved for (i.e. in feed or in water) determines which you will need to obtain the drug.

Drugs that have either a prescription or veterinary feed directive marketing status may only be used under the oversight of a vet. We understand that products approved for use in honey bees will be involved in this transition, including oxytetracycline (Type A medicated article) which will transition to VFD. Tylosin (soluble powder) has already transitioned to Rx. CVM has also approved lincomycin (soluble powder) for use in bees.

Below are links to listings of affected drugs:

- **Drugs Transitioning from Over-the-Counter (OTC) to Prescription (Rx) Status:** <http://www.fda.gov/AnimalVeterinary/DevelopmentApprovalProcess/ucm482106.htm>
- **Drugs Transitioning from Over-the-Counter (OTC) to Veterinary Feed Directive (VFD) Status:** <http://www.fda.gov/AnimalVeterinary/DevelopmentApprovalProcess/ucm482107.htm>

Question: Will a County or a State Inspector be able to write the Inspection form indicating that an antibiotic is needed, can the beekeeper take that to a vet or a supplier to obtain the antibiotic, avoiding the need for the vet to visit the apiary?

Answer: No, in order for a vet to write a lawful VFD, the issuing vet must 1) be licensed to practice veterinary medicine, and 2) be operating within a professional practice and in compliance with all applicable licensing and practice requirements, including issuing the VFD in the context of a veterinarian-client-patient relationship (VCPR). If applicable VCPR requirements do not include the key elements of a valid VCPR as defined in § 530.3(i) of this chapter, the vet must issue the VFD in the context of a valid VCPR as defined in § 530.3(i) of this chapter (21 CFR 558.6(b)(1)). Here's a link to determine if the State or Federal VCPR Definition applies to a Lawful VFD in MD: <http://www.fda.gov/AnimalVeterinary/DevelopmentApprovalProcess/ucm460406.htm> The vet may consult with a County or State Inspector as well as having a VCPR with the beekeeper. To establish or maintain it, the vet will likely need to visit the apiary initially and periodically.

MDA, The Beltsville Bee Lab and UMD will be offering a seminar in February to educate vets on Foulbrood and stress issues. All will be covered in more depth at the meeting.

In the National Honeybee Survey we are looking for participants for Spring 2017. Must have 8 colonies in the same location to participate. So far results have shown positives for deformed wing virus, chronic paralysis virus and Lake Sinai virus.

Science Committee Upcoming Speakers

January Speaker — FCBA Member Mike Turell

Topic: Wax Glands in Honeybees

Michael Turell recently retired as a principal investigator at USAMRIID (United States Army Medical Research Institute for Infectious Diseases) where he had served for more than 30 years investigating factors affecting the ability of mosquitoes to transmit a number of viruses. He received his B.S. and M.S. in Entomology from Cornell University, NY, where he studied apiculture under Roger Morse along with fellow graduate student, Dewey Caron. His research was on factors affecting the development of the wax gland in female honey bees. He will attempt to go back through his old notes and describe some of the factors that affect the development of wax glands.

February Speaker — April Boulton

Topic: Possible Correlations Between Honeybee Colony Losses and Nearby Vegetation

An insect ecologist by training, April is interested in biotic and abiotic impacts on native insect populations. Her current interests focus on the health and stability of both native and commercial insect pollinators with an emphasis on how various factors impact them, such as climate change, land-use, invasive pests and various pollutants and pesticides.

Dr. Boulton also has a long-term field experiment on farms in Frederick County that examines the role of native plantings as a means of attracting native insect pollinators, which, in turn, has resulted in increased crop yield nearby. This past spring 2016, she was instrumental in the passage of the Maryland Pollinator Protection Act.

March Speaker — Jim Fraser

Topic: Spring Hive Management

Jim Fraser is an EAS Certified Master Beekeeper. He is an Authorized Brushy Mountain Bee Farm Distributor.

FCBA Observation Hives

Fountain Rock

By Dave Maloney

With the assistance of staff member Monica (who also took these photos), I transferred the honey bee colony out of the old observation hive at Fountain Rock Nature Center and into the new one.

The frame of bees I am holding will cover the space allowed for the bottom two deep frames in the new hive. This frame started out as a medium with only a starter strip. It is fun for the public watch the bees draw comb. They filled the medium with comb and brood. Then, as expected, they drew out a huge lobe of comb (now with brood) from the bottom bar of the medium frame. As a result, this frame will fill up the space allotted for two deep frames in the new hive.

Doffing my veil and wearing my magnifying 4.5 power glasses I found the queen in order to mark her.

I know, I know. This year's color is white. All I have is red. And blue. And green. No white!

Two happy beekeepers.



Earth Space and Science Lab (ESSL)

The hive looks to be strong going into winter. The bees have a good honey supply and a healthy young queen. They continue to drink 2:1 sugar water. We have not needed to treat for mites because there aren't any.

I have been experimenting with closing the hive entrance some to alleviate the strong updraft through the hive due to our ventilation system in the building. It pulls the outside cold air in through the entrance 24/7. It makes no difference if it's windy or not. It's enough flow that you can feel the air current coming out of the vent holes in the hive. We aren't sure how or if this constant air flow will affect the bees through winter.

Recipes using Honey . . .

Pumpkin Maple Syrup Monkey Bread

Ingredients

- Pumpkin Maple Syrup Monkey Bread
- 1.6 cups flour
- 1/2 cup sugar
- 2 tsp baking powder
- 1/2 tsp salt
- 1 tsp cinnamon
- 1/2 tsp nutmeg
- 1/2 cup milk
- 1/2 cup pumpkin
- 1 tsp vanilla extract
- 1/4 cup melted butter
- 1 egg (beaten)
- 1/2 cup raisins
- 1/2 cup walnuts



Combine flour, sugar, baking powder, salt, cinnamon and nutmeg

- Add milk, pumpkin, vanilla, butter and egg
- Mix gently
- Add raisins and stir
- Spoon spoonfuls of the batter into the bottom of a greased tube pan
- Sprinkle 1/2 the walnuts over the dough
- Pour half the maple syrup over walnuts
- Spoon spoonfuls of remaining batter on top of the other layers
- Sprinkle the remaining walnuts over the dough
- Pour the remaining maple syrup over the walnuts
- Bake at 400°F for 30-35 minutes
- Remove the monkey bread from the oven
- Leave the pan to stand for 5 mins
- Remove the Monkey bread from the pan, and cool on a wire rack

Honey Roasted Carrots

Ingredients

- 2 pounds baby carrots with tops
- 2 teaspoons olive oil
- 3 tablespoons butter, divided
- 1/2 teaspoon kosher salt
- 1/4 teaspoon freshly ground black pepper
- 1 shallot, finely chopped
- 2 tablespoons bourbon
- 2 tablespoons honey
- 1 tablespoon chicken broth or water
- 1/2 teaspoon chopped fresh thyme



Preparation

1. Place a small roasting pan in oven. Preheat oven and pan to 500°.
2. Cut tops from carrots, leaving 1 inch of greenery on each carrot.
3. Stir together olive oil and 1 Tbsp. butter in preheated pan. Add carrots, salt, and pepper; toss to coat. Bake 10 minutes
4. Meanwhile, melt remaining 2 Tbsp. butter in a small saucepan over medium-high heat. Add shallot; sauté 1 minute. Remove from heat, and stir in bourbon and next 2 ingredients. Return to heat, and bring to a boil, stirring occasionally. Reduce heat to medium, and cook 5 minutes or until mixture is syrupy.
5. Drizzle syrup over carrots; toss to coat. Bake 5 to 7 more minutes or until carrots are crisp-tender. Transfer to a serving dish, and sprinkle with thyme.



News & Resources

Flickerwood Apiary

How to Reduce Bee Poisoning from Pesticides

International Bee Research Association (IBRA)

General Mills, NRCS and the Xerces Society
Announce Multi-Year, \$4 Million Investment in
Pollinator Habitat

Pollinator Conservation Resource Center

\$4 Million to Help Pollinator Habitat

This is What Grocery Store Would Look Like
Without Bees!



"But man is a part of nature, and his war against nature is inevitably a war against himself."

— Rachel Carson

*Wishing FCBA
Members and Family
a Joyous Holiday and
Healthy and Prosperous
New Year!*

—Newsletter Committee



OFFICERS

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Immed. Past Pres. Rose Aurigemma (roseaurigemma@hotmail.com)

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NEWSLETTER COMMITTEE (ARTICLES/ SUGGESTIONS)

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