



# NEWSLETTER

**Bowie-Upper Marlboro Beekeepers Association**

February 2016

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

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## **Next *BUMBA* Meeting**

**Thurs, February 4, 7:30 PM**  
**Watkins Park Nature Center**

## **Guest speaker: Stephen Repasky**

Our first meeting of the year will feature noted speaker, **Stephen Repasky** of **Meadow Sweet Apiaries** in Pittsburgh, PA. Stephen is a second generation beekeeper, a Certified Master Beekeeper through the Eastern Apicultural Society and also the current President of Burgh Bees, Pittsburgh's Urban Beekeeping Organization, 1st Vice-President of the Pennsylvania State Beekeepers Association and sits on the Board of Directors for the American Beekeeping Federation.

Stephen has been involved with bees since the age of four when he would help his father tend to the honey bee colonies on their small farm in southwestern Pennsylvania. After college, starting with 3 colonies, he now keeps nearly 100 colonies of honey producing hives, a queen rearing operation and also the selling of nucleus colonies each summer to those looking to start or expand their own beekeeping adventures! As Stephen began getting more involved with honey bees in the Pittsburgh area and beyond, the number of colonies also grew and the need for a formal name arose. **Meadow Sweet Apiaries**, was then established as the popularity of his honey, removal services and educational presentations grew. He has published his first book in January of 2014 entitled Swarm Essentials, Ecology, Management and Sustainability through **Wicwas Press** and can be found presenting lectures on a variety of beekeeping topics around the United States.

**Special Notice:** Montgomery County Beekeepers Association will have **Dr. Dewey Caron** as their speaker on **March 9**. This is an open invitation to local beekeepers. See the notice on page 4.

## The President's Smoker

As the residue of last week's snowstorm slowly melts away, I reflect back to early 2010 when we received a 20" snow storm followed back to back with an 18" snow storm. I seem to recollect that those storms hit us in late February or perhaps early March. I remember how the snow just buried my hives in most of the apiaries without the benefit of being shoveled to clear the entrances because I couldn't get anywhere near to the apiaries to do it. Surprisingly to me, when I was able to park the truck within a quarter mile of them and walk with great difficulty into them with a snow shovel, I found absolutely all of them alive and well. The snow had melted in little chimneys upward from the bottom entrances, and the bees were exiting and flying upwards and out in the sun's warmth of the day. Oh they were staining up the snow blanket out in front of the hives, so it wouldn't have been a good place to harvest snow for ice cream, but I was relieved that they were able to get out and get some relief themselves. And though the landscape was also littered with a considerable peppering of bee cadavers, I took heart in knowing that the undertaker bees were busy performing their task of tidying up the bottom board. Oh there may have been some flyers that became confused by the reflective white groundcover and couldn't tell the sky from the ground, or right from left, causing them to chill before being able to return to the warmth of the cluster, but in retrospect, judging by the population still within, I suspect that the carnage from their polar plunge must have been minimal. I fully believe that the snow acted as something of an insulator from the wind and frigid temperatures. And I ended the winter of 2009-2010 with a very minimal loss of hives.

I reflect on that former storm memory because we just experienced another deeper than normal snowfall, followed by some radical ups and downs in temperature. I seem to be experiencing the same characteristics of my bee's hardiness once again. Truly...I hope that the survival rate of the colonies will once again be so favorable. I have about twice as many hives at stake this year as compared to six years ago, and a far greater number of vulnerable nucs attempting to overwinter. All went into winter with *Varroa* populations under control, well fed and heavy, and some pretty impressive comb configurations.

I have done very little supplemental feeding so far...sugar bricks on

some of the nucs and a couple hives, but the bulk of them have remained reasonably heavy and evidenced normal winter cluster sizes the last time I peeked inside earlier in January. I am prepared for emergency feeding, but remain hopeful that it is not necessary to address more colonies than the few that have already shown a need for it. With the late arrival of winter and the tendency this season for stretches of very mild "El Nino" influenced temperatures, I am predicting earlier than normal swarm dates for this spring. I think it will pay off to begin our vigilance as much as a month earlier than normal.

Depending of course on spring climate, it would not surprise me to see swarming occurring as early, or even earlier, than we saw in the spring of 2012, when we were treated to upwards of 7-8 swarms during the field day at **Scott Seccomb's** apiary on April 8, 2012. It all depends on the availability of nectar to the bees...if they fill up the empty cells in the brood nest, they swarm. I would suggest an early vigilance this year, and probably at least one early super of drawn comb, or as many drawn frames as you can muster, filled out with foundation, and please... without a queen excluder in there mucking up the works.

Come to the February 4<sup>th</sup> meeting and give your attention to **Steve Repasky**, author of "Swarm Essentials", who **Maggie Mills** has invited to be our keynote speaker for the night. She intends for the entire meeting to be an educational experience on the confounding, and simultaneously delightful, honey bee behavior known as "swarming". Swarms are a phenomena we all deal with sooner or later, and can be a boon or a bane to beekeepers and their neighbors. I hope you will be able to attend this meeting. Sadly, please note that seating is limited to the posted room capacity, per the County Life Safety Code, and enforced by the park police without exception. Should the need arise to vacate some attendees due to an overage, the first determining factor as to a person's eligibility for a seat, will be whether 2015 dues were paid, during or prior to calendar 2015, as reflected in the treasurer's club roster. If those 2015 dues were not paid, you may not have a seat available, or you may be required to surrender your seat to a current 2015-2016 active member. Hopefully, this will not be an issue, and it would be great to avoid any unpleasantness and disappointments, but the above stipulation will determine the first cut. Try to think of it this way...if we had received the revenue of the unpaid 2015 dues, we could have perhaps rented a larger facility. From there...well, we will play it by

ear. I think it will be a very interesting and worthwhile presentation, and I hope the room will hold everyone that wishes to attend. I will surrender my seat if necessary, for a beginner. Short course students are our newest members, and all of them are invited. Thank you all for your support and co-operation... it is you folks that make **BUMBA** the best regional club to be affiliated with and I am very proud of our members.

God save the queen!

*Bob Greenwell*

## Message from the VP

Happy New Year BUMBA Members:

As you read this message I will be enjoying warmer temperatures in Belize and Guatemala. When I planned my trip I thought it would be great to connect with a Belizean beekeeper. It turned out to be difficult to find contact information for one, but after an inquiry with the Belize Department of Agriculture I have been connected. The honey bees in Belize are Africanized, so I am looking forward to learning more about managing these colonies. The beekeeper I am meeting is interested in learning how to make soap and other products so I'm looking forward to an information exchange! I'll be sure to update you all on the outcome of my visit.

I began Winter with 29 colonies (14 nucs and 15 full size colonies). As of last week, I am down to 26. Losses this Winter already exceed my 2014 winter losses (2 out of 26 lost). The 2 nucs I lost clearly starved. The first was a massive colony who burned through their reserves much faster than I could have expected. The second nuc was in a double deep and began brood rearing in the lower box. The top box was almost completely full of honey, but I believe the cold snap caught them unprepared and they starved over the frames of brood, refusing to abandon the offspring to move up for food. Both of these colonies left large numbers of bees in a cluster with bees head first in empty cells and a large number of dead bees on the bottom board. The full size colony was in my home apiary which was not vaporized with Oxalic acid in December. I believe this colony died from mites in spite of their Fall treatment of MAQS (Mite-Away Quick Strips®). I found the queen on top of the frames at the top of the hive and she was practically the only bee remaining in the colony - classic mite loss. This brings me to my assessment of Fall mite treatments. I switched from Api-Life VAR last season and applied Mite Away Quick Strips

(MAQS) in early September. Everyone was tucked in for winter, but I did not monitor my post-treatment mite load. In December, **Tim McMahon** from Montgomery County demonstrated the Oxalic Acid Vaporization in my large apiary. After a few demonstrations **Gerry Jones, James Garver** and I treated the remaining colonies. It took several hours and I sincerely appreciate the time they took to complete this task. I left 4 mite drop boards in 4 hives and returned a week later to take a look at them. Boy was I surprised by the mite drop after 7 days. Hundreds (maybe more?) of mites were dead on each board. This really surprised me especially since I had treated with MAQS just a few months prior. I continue to hear about beekeepers losing their colonies and attributing the loss to "absconding". I rarely argue, but I suspect they lost their hives due to mites. Some beekeepers are surprised to learn the hive will usually be empty when mites destroy a colony. This is because bees leave when they are sick. The hive dwindles and pretty soon the cluster is too small. If the weather turns cold, the bees will die. Sometimes this small cluster starves because they can't move to their food stores. The other sad tale I hear from beekeepers is "there were no signs of mites". Sadly, these beekeepers believe they will see mites on the bees. This is simply not the case - and if you do see mites on your bees, it may be too late to save the colony.

My bees also seem very light this winter due to the very warm temps. I typically do not feed my full-size colonies, but this year I made an exception. I spent many hours turning 200+ pounds of cane sugar into fondant and everyone has received their subsidy. On warm days, the bees are still actively foraging and pollen is being brought back. If you're not sure how your bees are doing, it doesn't hurt to put fondant on the top bars of a hive. You can always remove and store in the freezer for next season if they don't eat it.

This time of year is an excellent time to read books! I posted some suggestions on the forum a few weeks ago. If you are a new beek, consider reading about Spring/Summer management. If you are a 2nd or 3rd year beek, it's time to think about swarming or maybe you can read about making splits or increase colonies. Beekeeping must be sustainable. It can't be fun to buy replacement bees year after year, so if you are just getting started think about your long term goals. Push yourself to learn about making splits so you can overwinter a nuc or two as a replacement for winter killed colonies.

If you lost your colonies already and need replacements, consider

signing up for a nuc or ordering a package. Nucs will be difficult to find once short courses start and the demand increases. Bob and I both have nucs and I'm sure other members will announce availability at the February meeting.

Lastly, I'm so excited to have **Stephen Repasky** (Master Beekeeper and author of "Swarm Essentials") at the February meeting. I'm enthusiastic about his program custom tailored for our club.

Peace, Love and Bees -

Maggie



## MSBA Winter Meeting

February 13, 9:30AM – 4:30PM

Howard County Fairgrounds, West Friendship, MD

[www.mdbeekeepers.org](http://www.mdbeekeepers.org)

*Featured Speaker: Dr. Deborah Delaney*  
*University of Delaware*

MSBA is honored to welcome **Dr. Deborah Delaney**, assistant professor of entomology and wildlife ecology in the **College of Agriculture and Natural Resources** of the **University of Delaware**. **Dr. Delaney** is an expert in honey bee genetics, the evolutionary biology of honey bees, pollination ecology, and the world of feral bees. She has used her deep background in genetics, the history of beekeeping in North America, and work in **Dr. David Tarpy's** lab to develop a unique understanding of survivor bees! Recent research projects look at native and bumble bees as well. Dr. Delaney continues to publish with Dr. Tarpy and **Dr. Tom Seeley** of Cornell. In addition, Dr. Delaney is a 2015 recipient of UD's Excellence in Undergraduate Academic Advising Award.

## Montgomery County Beekeepers' Association

### Special Invitation!

*Featuring Dr. Dewey Caron*

March 9, 7-9PM

Holiday Park Senior Center, 3950 Ferrara Dr., Wheaton, MD

Montgomery County (MCBA) will be having **Dr. Dewey Caron** come speak to our club on Wednesday March 9, from 7 to 9 pm. Your organization members are more than welcome to come and hear Dewey speak. Dewey Caron is a retired professor of beekeeping from the **Univ. of Delaware**, a noted speaker and author (**Honey Bee Biology and Beekeeping**), and a former professor at **Univ. of Md**. Who splits his time between Bolivia and Oregon. This is a rare opportunity to hear Dewey speak.

The meeting will take place at the **Holiday Park Senior Center** is close to the intersection of Connecticut Ave. and Viers Mill Rd., at 3950 Ferrara Dr., Wheaton, MD 20906

## DC Beekeepers' Alliance

[www.dcbeekeepers.org](http://www.dcbeekeepers.org)

The **DC Beekeepers Alliance** is now holding regular meetings on the 3<sup>rd</sup> Wednesday of each month at the **Rock Creek Nature Center** of the National Park Service, 5200 Glover Road NW from 6:30 PM to 8 PM. For directions and other meeting information, visit [www.dcbeekeepers.org](http://www.dcbeekeepers.org)



## CLUB HAPPENINGS

### New Outreach Coordinator

Two of the things that make **BUMBA** a special club are the success and quality of our Beginning Beekeeping Course and our **Public Outreach Events**. Our outreach events present the positive image of beekeeping and honey bees that they need and deserve. **Colleen White** has volunteered to serve as our Outreach Coordinator. **BUMBA** will have a busy public events schedule in 2016. Be sure to volunteer for at least one event. They are a lot of fun!!

Our formal outreach schedule has not been set yet, but here is an early glimpse of the venues we attended in 2015. Consider volunteering for one or more of these exciting events.

**Sat, late March**      **Behnke Spring Open House**

**Sat, April 30, 10am - 4pm: Maryland Day**

University of Maryland, College Park, 20742;

Our largest event of the year! Hundreds of visitors of all ages get introduced to bees; **we need dozens of volunteers!**

<http://www.marylandday.umd.edu/>

**Sat, May 17, noon - 4pm: A-MAY-Zing Animal Festival**

Bladensburg Waterfront Park,

### BUMBA Beginning Beekeeping Class Feb 18 – Mar 24, 7PM

**BUMBA's Beginning Beekeeping Class** is *Sold Out* once again. Paid up members who have already graduated from the class may audit the class, on a space available basis. Priority goes to the paid students and the room occupancy is limited.

## MEMBERS' CORNER

This is *your* space for *your* story. Tell us why you started beekeeping, what you enjoy most, or least? What have you learned? What do you want to share?

# BEES IN THE NEWS

## Excerpts from “ABJ Extra” at Dadant.com

### ***EPA Posts List of Pesticides Registered to Combat Varroa Mites in Bee Hives***

The EPA has posted a [list of pesticides registered for use against Varroa mites](#) to help beekeepers identify products that can help fight this invasive species of bee pest. As part of [EPA’s role in the National Pollinator Health Strategy](#), the Agency has expedited its review of registration applications for new products targeting pests harmful to pollinators.



In 2015, EPA expedited the review of applications for [oxalic acid](#) and a new biochemical miticide, [potassium salts of hops beta acids](#), to provide more options for beekeepers to combat Varroa mites. More pest control options help avoid the development of resistance toward other products. The list we published today makes it that much easier for beekeepers to identify all products that are registered for use against Varroa and helps advance toward the goals in the National Pollinator Health Strategy. [Find out about other EPA efforts to address pollinator loss.](#)

The EPA list is found at <http://www.epa.gov/pollinator-protection/epa-registered-pesticide-products-approved-use-against-varroa-mites-bee-hives>

“January 2016 – As part of the [National Pollinator Health Strategy](#), EPA committed to helping beekeepers combat Varroa mites. Varroa mites are parasites that feed on developing bees, leading to brood mortality and reduced lifespan of worker bees. They also transmit numerous honeybee viruses. The health of a colony can be critically damaged by an infestation of Varroa mites. Once infested, if left untreated, the colony will likely die. By [expediting the approval of pesticides that target Varroa](#) mites and publishing information about the products, EPA is honoring another commitment in the National Strategy.

The pesticide products listed on this page are registered by EPA at the federal level for use against Varroa mites. Rotating products to combat

Varroa mites is an important tactic to prevent resistance development and to maintain the usefulness of individual pesticides. Beekeepers are encouraged to check with their [state pesticide regulatory agencies](#) to determine the regulatory status of the products in the individual states.

Primary registered products in the list have 2-part EPA registration numbers and are listed in bold. Distributor products have a 3-part EPA registration number, with the first two numbers reflecting the primary registered product’s registration number. Distributors may market their products under different names, but the formulations and uses are identical to the primary registered.”

Registration #	Product Name	Active Ingredient
<b>2724-406</b>	<b>ZOECON RF-318 APISTAN STRIP</b>	<b>Fluvalinate (10.25%)</b>
2724-406- 62042	APISTAN ANTI- VARROA MITE STRIPS	
<b>61671-3</b>	<b>FOR-MITE</b>	<b>Formic acid (65.9%)</b>
<b>70950-2</b>	<b>AVACHEM SUCROSE OCTANOATE [40.0%]</b>	<b>Sucrose octanoate (40%)</b>
70950-2- 2205	SUCROCIDE	
70950-2- 84710	SUCRASHIELD	
<b>73291-1</b>	<b>API LIFE VAR</b>	<b>Thymol (74.09%), Oil of eucalyptus (16%), Menthol (3.73%)</b>
<b>75710-2</b>	<b>MITE-AWAY QUICK STRIPS</b>	<b>Formic acid (46.7%)</b>
<b>79671-1</b>	<b>APIGUARD</b>	<b>Thymol (25%)</b>
<b>83623-2</b>	<b>HOPGUARD II</b>	<b>Hop beta acids resin (16%)</b>
<b>87243-1</b>	<b>Apivar</b>	<b>Amitraz (3.33%)</b>
<b>91266-1</b>	<b>OXALIC ACID DIHYDRATE</b>	<b>Oxalic acid (100%)</b>
91266-1- 73291	OXALIC ACID DIHYDRATE	

91266-1-91832	OXALIC ACID DIHYDRATE	
11556-138	CHECKMITE+ BEE HIVE PEST CONTROL STRIP	Coumaphos (10%)
11556-138-61671	CHECKMITE+ BEE HIVE PEST CONTROL STRIP	

**Bee Culture “Catch the Buzz**

**How Queen Bees Control the Princesses.**

Queen bees and ants emit a chemical that actually alters the DNR of their daughters and keeps them sterile and industrious workers.

Queen bees and ants emit a chemical that alters the DNA of their daughters and keeps them as sterile and industrious workers, scientists have found.

“When deprived of the pheromone that queens emit, worker bees and ants become more self-centred and lazy, and they begin to lay eggs,” said lead researcher Dr Luke Holman from The Australian National University (ANU).

“Amazingly, it looks like the queen pheromone works by chemically altering workers’ genes,” said Dr Holman, a biologist in the ANU Research School of Biology.

Queen bees and ants can have hundreds of thousands of offspring and live for many years, while workers are short-lived and mostly sterile, even though they have the same DNA as the queen.

Recent research suggests that a chemical modification to a baby bee or ant’s DNA, called DNA methylation, helps determine whether the baby develops into a queen or a worker.

Dr Holman collaborated with biologists from the University of Helsinki to investigate whether the queen’s pheromone altered DNA methylation in workers.

The team found evidence that indeed, workers exposed to pheromones

tag their DNA with methylation differently, which might suppress queenly characteristics in the workers.

Surprisingly, the queen pheromone of honeybees seemed to lower methylation, while the queen pheromone of ants seemed to increase it, suggesting things work differently in bees and ants.

The research is published in *Biology Letters*.

**Animal Agriculture and Antibiotics: 7 Things to Consider**

*By Alison Rice*

*Markets and News Editor of AgWeb.com*

*{The following is a highly excerpted article from AgWeb.com, editor}*

The issue of antibiotic use in animal agriculture raises more than a few big questions, both inside and outside the agricultural community. During a recent meeting of the Farm Foundation Forum, in Washington, D.C., a panel discussion among speakers from the agriculture, policy, and regulatory communities on antibiotic use in animal agriculture identified seven factors influencing the issue.

1. Customers are increasingly asking for meat that is antibiotic-free and more.
2. Activist shareholders are influencing companies’ food supply chain decisions.
3. The concerns about antimicrobial resistance, particularly in the human population, are not going away.
4. There is a lack of new antibiotics in development, both for humans and animals.
5. There are, unfortunately, a lot of unknowns about the existence, volume, and quality of data already collected about the use of antibiotics in animal agriculture.
6. Producers large and small—and their suppliers and vets--are facing potential record-keeping challenges in implementing the new veterinary feed directive.
7. There needs to be greater collaboration and stronger relationships among those involved in the overlapping arenas of antimicrobial resistance, antibiotics and animal agriculture.

For the complete article go to [www.agweb.com](http://www.agweb.com) and search for “antibiotics 7 things to consider”

## Club Programs

BUMBA has initiated several programs over the years *and we are always looking for members' assistance*. For more information about a program please contact an officer.

### BUMBA Extractor for members' use

BUMBA now has two honey extractors for members to use. The extractor managers are **Gerry Jones** in Mitchellville ([gejones486@verizon.net](mailto:gejones486@verizon.net), 301-577-1365) and **David Clark** in Dunkirk ([dadicl.clark@gmail.com](mailto:dadicl.clark@gmail.com), 443-871-0494, seven days a week from 9:00 am to 7:00 pm). Each has a complete set of equipment. The Board has established an extractor agreement, rules, and cleaning instructions. Copies are available from the managers. To reserve the equipment, call the manager, bring a \$50 refundable deposit (cash or check upon pickup), and sign the use agreement and inventory form. Please be sure to read what you are signing☺. The first 4 days are free!

Gerry reports that the extractor was been borrowed 6 times in 2014. The extractors have always been returned on time and in good shape. To reserve your use of either of the extractors, simply email or call Gerry!

### [www.BUMBAbees.com](http://www.BUMBAbees.com)

Check out the club web site maintained by **Toni Burnham**, [www.bumbabees.com](http://www.bumbabees.com). You will find meeting schedules, newsletters, information and membership application forms (payments are still by mail or at a meeting.) *We need content, pictures, ideas, suggestions and help with administration.* If you have any interesting photos to add to the photo gallery, send them with a short description or story to Toni at [phang@tonitoni.org](mailto:phang@tonitoni.org).

### [www.BUMBAbees.com/forums](http://www.BUMBAbees.com/forums)

Check our web forum for questions, answers, opinions and help. Thanks to **Scott Seccomb** and **Toni Burnham**, our private web forum on the BUMBA web page is available for members' use.

## Electronic Newsletter

As with all organizations cost cutting is always on the table. One way we reduce our expenses is by eliminating the printed newsletter mailed 6 times a year at a cost of roughly \$1 per newsletter. People who don't have email, of course, continue to receive a printed copy. Help keep club \$\$'s in the bank for club activities.

*FREE STATE Bee Supply*

*Your local bee supply dealer*

Free State Bees, 2420 Mill Hill Rd

Waldorf, MD 20603-3752

Phone: 301-580-9313.

Email: [Freestatebees@gmail.com](mailto:Freestatebees@gmail.com)

Call or email if you have any questions.

Please be sure to call ahead to set up a time to visit! As always, thank you for your continued support!

Dave and Laura Polk



**Notice of your dues will either be on your label or in your email message**

Every club needs a little money to keep it going. Although **BUMBA** is solvent, dues are needed to cover meeting room rental, speakers, refreshments and the newsletter. **BUMBA** annual dues are **\$15**. Please remember to bring your dues (**checks preferred**) to the next meeting. Consider paying for two years, as a commitment to beekeeping. Jutta loves to find checks in the mailbox, so you can mail your dues to:

Jutta Dunaway, **BUMBA** Treas., 11814 GALAXY LANE, BOWIE, MD 20715

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ ST \_\_\_\_\_ ZIP \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

Check if you are willing to help out with a club activity or program  
***Jutta will not be at the April meeting. Debbie Hayes and Linda Thompson will be accepting dues at the meeting. Please have a check, or \$15 cash.***

Bowie-Upper Marlboro Beekeepers Association Officers			
Pres.	Bob Greenwell	410-867-3251	rfgreenwell@aol.com
VP	Maggie Mills	301-683-8853	maggie.m.mills@gmail.com
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	gregg.gochnour@maryland.gov		
MSBA Pres.	Toni Burnham	202-255-4318	dcbees@dcbeekeepers.org

**BUMBA Meets at – Watkins Park Nature Center**

**BUMBA** annual dues are \$15. Our regular meetings are held on the 1<sup>st</sup> Thursday of the even months at the **Watkins Park Nature Center, 301 Watkins Park Drive in Largo**. From Route 301 or I-495 take Central Ave. (Rte 214) to the intersection with Enterprise Rd. (Rte 193). Turn south onto Watkins Park Dr. and go ½ mile to the park. Follow the road all the way to the back to the Nature Center. We thank the Nature Center Staff for their assistance. For information about the Nature Center, please call **301-218-6702**

**Club Calendar**

Put these dates on your **2016 BUMBA** Calendar:  
February 4, 7:30PM, BUMBA Mtg.  
February 13, 9:00-4:30 MSBA Mtg  
Feb 18 & 25 Bee Class 7PM  
March 3, 10, 17, 24 Bee Class 7PM  
April 7, 7:30PM, BUMBA Mtg.  
June 2, 7:30PM, BUMBA Mtg.  
June ? MSBA Summer Mtg  
July 25-29, EAS Conference, NJ  
August 4, 7:30PM, BUMBA Mtg.  
October 6, 7:30PM, BUMBA Mtg.  
Nov? MSBA Fall Meeting  
December 1, 6:00PM, Holiday Party

David Morris, BUMBA Editor  
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Laurel, MD 20708-2553