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Fall Conference Around the Corner

Every year beekeepers from across the state gather for the annual Missouri State Beekeepers Association Fall Conference. Those who have attended know, not only is the fall conference a great place to learn how to better mange your hives but it's also a wonderful opportunity to meet fellow beekeepers and make new friends and invaluable contacts when that unusual, pesky problem begins to show itself in your hive.

We hope you are already making plans to join us in Springfield for this year's conference October 27th thru 28th. Attendees will have the opportunity to listen to an extraordinary lineup of speakers, presentations and extra events which will make this a unique event you won't want to miss. The conference will be held at the beautiful University Plaza Hotel and Convention Center, 333 S John Q Hammons Pkwy, Springfield, MO, 65806.

This year's speakers include:

Dr. Meghan Milbrath, Michigan State University from Zachary Huang's honeybee lab is a rising star in national beekeeping circles. She owns and manages The Sand Hill Farm, a small livestock and queen rearing operation in Munith, Michigan. She is the coordinator of the Michigan Pollinator initiative and teaches in multiple venues.

Erin MacGregor-Forbes is Past-president and member of the Maine State Beekeepers Association and an EAS Master Beekeeper, as well as Chairman of the Eastern Apiculture Society. She co-owns Overland Apiaries which is a small, sustainable, non-migratory beekeeping operation based in Jefferson and Portland, Maine. She speaks in beekeeping venues throughout the USA.

Be sure to make your hotel reservations today by calling 417-864-7333 or by visiting https://goo.gl/TQNwfr.

The full schedule and registration form for the 2017 Fall Conference are available on page 4-5 of this issue.

From the President

by Clayton Lee

The Missouri State Beekeepers
Association's booth at the Missouri State
Fair was a remarkable success! All due
to the outstanding work of Dean
Sanders, Wanda Johnston and Wes
Johnston! We all owe them a big
thank you! Another thank you to
all the volunteers that worked at the
booth!! It is a lot of fun to see kids
eyes light up at the observation hive
and when they open and taste a honey
stick. I enjoyed visiting with folks from
all over the state, too! I recommend you
put volunteering at the State Fair on your
"To Do" list for next year.

I hope you have the October 27-28th MSBA Fall Conference on your calendar. Bruce Snavely and crew have been putting a lot of preparation time into this event. We have some great speakers and opportunities for some Preconference events when you register for the Fall Conference. Please check out our website (http://mostatebeekeepers.org/2017-msba-fall-conference/). If you or your local club want to be a vendor at this year's Fall Conference, let Tim Hyde know (email: tim.hyde@ yahoo.com OR telephone: 636 226-6474).

Importance of Pollinators Subject of New Stamp Series

The U.S. Postal Service® pays tribute to the beauty and

importance of pollinators with stamps depicting two of our continent's most iconic, the monarch butterfly (Danaus plexippus) and the western honeybee (Apis mellifera), each shown industriously pollinating a variety of plants native to North America. Check it out at: https://goo.gl/muECya



The MSBA Executive Committee meets the Thursday evening before the Fall Conference.

I would like to invite one "official" representative from each local Association to come to this meeting to attend and represent their local association. I would ask for an attendance note so we can make sure to have enough seating for all. I will provide those attending with the specific meeting location and time.

Feel free to let me (or anyone on the Executive Committee) know what you would like to see MSBA accomplish in the next year. If there is a specific speaker you would like to see

If there is a specific speaker you would like to see at one of our conferences or ideas on how to change things, let me know. My email is leeland55@gmail.com.

I hope your days will be filled with great times with honey bees!

MSBA Membership

Membership dues remain at \$10 per individual. You may renew your membership by going to the MSBA website and utilizing PayPal or mail your check to me with your first and last names, address, telephone number, and email address. I gladly accept batch memberships if given the information on a typewritten list and either a check from the local club's treasurer or secretary.

With the change of the website some folks have renewed well in advance of their membership expiration. You should now receive notice the month preceding your membership expiration. While the website is going through growth spurts please contact me if you have questions regarding your membership. Some of you have paid until 2019! Thank you for supporting MSBA!

Wanda Johnston MSBA Membership 401 NW Heady Avenue Ferrelview, MO 64163 mailto:bees@kc.rr.com

Now We're Cooking!

On August 18, 2017, Karlie McGee, granddaughter of MSBA members Jack and Debbie Mott won 1st place in the 4H cooking with honey contest. Karlie's demonstration on "How to make Honey Maple Walnut Cake" was a big hit at the Missouri State Fair. Pictured below is Karlie doing her demonstration; at right is Karlie and one of the judges, Erin Mullins. Congratulations Karlie!!





Important Dates for Your Calendar:

August 1 through October 6, 2017 – Project submission start and stop dates for the 2017 Bee Nutrition Challenge: An Innovation Award. This is a competition! "The Honey Bee Health Coalition is looking for creative, practical solutions to accelerate and pioneer the field of honey bee nutrition. Judges will award up to \$40,000 of prize money to up to four competition winners to complete their projects." Check it out at: http://honeybeehealthcoalition.org/the-bee-nutrition-challenge-an-innovation-award/

September 9-16, 2017 – The Honey Bee Health Coalition urges beekeepers to participate in a Mite-A-Thon. It will be a national effort to collect mite infestation data and to visualize varroa infestations in honey bee colonies across North America within a one-week window. Information can be found at: http://www.pollinator.org/miteathon

October 6-8, 2017 - Natural Beekeeping Workshop with Michael Bush in Southern Illinois https://goo.gl/ZfLqmH

October 27-28, 2017 – The Missouri State Beekeepers Association's Fall Conference in Springfield. Our website has all the information you need to register: http://mostatebeekeepers.org/2017-msba-fall-conference/

November 4, 2017 – The Iberia Area and Lake of the Ozarks beekeeping organizations are coordinating a beekeeping 101 class. Follow https://www.facebook.com/trynbeez/ or email trynbeez@outlook.com for more information as it becomes available.

February 2018 – The Pomme de Terre Beekeepers will be having a Spring workshop. Contact Rebekah at 417-993-0186 for more information.

2017 Fall Conference Schedule of Events

Pre-Conference Events Friday, October 27th - Morning		3:15-4:15	Track 2 – Part 3, So You Wanna Be a Beekeeper?			
9:15-11:30	Microscope Use in Beekeeping, Dr. Tom	4:15-5:00	Vendor Hall Open			
	Coudron and Dr. Marciej Pszczolkowski	5:30-6:15	Local Wine Tasting Event (tentative)			
9:30-10:15	Local Apiary Hive Inspection, Group 1, Erin MacGregor Forbes & Jeff Maddox	6:30	Evening Banquet and Auction			
	Apiary		Saturday, October 28th			
10:30-11:15	Local Apiary Hive Inspection, Group 2, Erin MacGregor Forbes & Jeff Maddox Apiary	Convention Center				
		7:30-8:30	Continental Breakfast			
		8:00	Vendor Hall Open			
Friday, October 27th Convention Center		9:00-10:00	Track 1 – Overwintering Nucleus Colonies, Part 1, Erin Forbes			
12:30	Welcome and Opening – Clayton Lee, MSBA President	9:00-10:00	Track 2 – Seven Habits of Successful Beekeepers, Grant Gillard			
		10:10-11:10	Track 1 – Overwintering Nucleus			
Track 1 Beekeepers of All levels			Colonies, Part 2, Erin Forbes			
1	rack 2 Wanna-be Beekeepers	10:10-11:10	Track 2 – Swarm Traps & Trap Outs, Bob			
12:45-1:45	Track 1 – Sustainable Nucleus Colonies,		Brammer			
	Meghan Milbrath	11:30-12:15	Lunch			
12:45-1:45	Track 2 – Part 1, So You Wanna Be a Beekeeper?		All Beekeepers			
1:55-2:55	Track 1 – Colony Strength & Survivability, Maine SARE Farmer Report, Erin Forbes	12:30-1:30	Moving Towards Varroa Treatment-Free, Part 1, Meghan Milbrath			
1:55-2:55	_		Moving Toward Varroa Treatment-Free, Part 2, Meghan Milbrath			
2:55-3:15	Vendor Hall Open	3:00	MSBA Awards			
3:15-4:15	1		E MSBA Business Meeting & Closing Remarks			

Additional Details

Dates: October 27th & 28th

Location: University Plaza Hotel & Convention

Center, Springfield, MO

Cost: \$80 per person

Includes 3 meals at University Plaza Hotel (Friday Evening Banquet, Breakfast & Lunch Saturday)

Lodging: \$104 per night

Make reservations by calling 417-864-7333 or by visiting https://goo.gl/TQNwfr

Questions or Comments:

Email Bruce Snavely at brucesnavely@hotmail.com

Missouri State Beekeepers Association 2017 Fall Conference

October 27 - 28, 2017

University Plaza Hotel, 333 S John Q Hammons Pkwy, Springfield, MO, 65806

Online Conference registration at www.MOStateBeekeepers.org will earn you two (2) FREE tickets for prize drawing!!! You can pay your dues online, too. Thank you!

Regular mail registration (Please print name as you prefer on name tag):

First Name:	Last	Name:				
Street:	City:	State:	Zip	Code:		
Email:		Telephone	e: ()		
Your Local Beekeeping (Club/Association:					
Saturday's Breakfast and I	h and includes 3 meals at th Lunch. <u>Please note this fee d</u> On-line or postmarked date	oes not include mem	bership c	•	ning's	Banquet,
Individual Registration:	*			Χ	. = .	
So, You Wanna Be a Bee	ll meals are not guaranteed where the last section is the last section where the last section is the last section where the last section is the last section in the last section is the last section where the last section is the last section in the last section in the last section is the last section in the last section is the last section in the last section in the last section is the last section in the last section in the last section is the last section in the last section in the last section in the last section is the last section in the last section in the last section in the last section in the last section is the last section in the	<u>le exploring beginni</u>	ng beeke	eeping)		
Preconference Events (Ea	ach event limited to 25 atte	endees-2 groups of I	Hive Inst	ections)		
	AcGregor-Forbes		_		_ =	No Charge
Microscopy of Bees* w/To	om Coudron, PhD & Macie	ej A. Pszczolkowski	, PhD \$0	X	. =	No Charge
* Priority given to Spring 2	2016 attendees					
<u>Other</u>						
Honey Queen/Ambassador	Fund Donation (\$10.00 Su	ggested):				
Silent Auction and Banque	et Auction Items – please bri	ing to the Fall Confer	rence – T	hank you!	!	
		TOTAL AMO	UNT EN	NCLOSEI	D : \$	

If you have any questions, please email Bruce Snavely Conference Chairman brucesnavely@hotmail.com

If you cannot register online, please make checks payable to the **Missouri State Beekeepers Association** and send it along with your completed registration form to: **Clayton Lee, 90 East Pope Lane, Smithville, Missouri 64089** If you provide an email, we will send you an acknowledgment of your registration.

Please contact the University Plaza Hotel at (417) 864-7333 and tell them you are with the MSBA. You can reserve your rooms now by clicking on this link: http://bookings.ihotelier.com/bookings.jsp?groupID=1747347&hotelID=17728

Remember the hotel discount cutoff date is September 24, 2017. Thanks!

Why Should You Join a Local Club?

By: Ray Shadow, West Central Region Director

While there is a lot of information available on the internet about how to keep bees and all of the "best" ways to do everything, there are only two ways to know what really works in your area.

The first is to try everything and see what works for you and the second is to ask someone who has done it already. Knowing small things like what the first plant is that signals your spring flow or your fall flow is something that can be very useful and a local mentor or local club will help with a lot of that.

You should also consider the fact that losing hives can be expensive. Most of us have hive loss for various reasons but working with experienced beekeepers (even if it is just being able to ask them questions) will help reduce your losses and may save some money.

Another important consideration on why you should join a local organization is that there are others out there that

may need your help, whether your goal in raising bees is to make money, have honey and wax for your own use or just to save the bees because they are all dying off, there is someone else out there that you may be able to help and they may be able to help you. Local organizations are the best ways to find out what works around you and are excellent sources of information.

If you are not already a member of at least one please consider joining one today. Most of them have regular classes on the important item that will be affecting your bees in the upcoming days and months, some have lending libraries, you can even get instruction and assistance on keeping that dang smoker lit!

A directory of local clubs can be found on the MSBA website or Club directory and if there isn't one close enough to you to be helpful consider starting your own. If you need assistance contact your regional director.

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Return white copy to: American Bee Journal, 51 S. 2nd St., Hamilton, IL 623	41 3 Yr. \$63.75 Retain yellow copy for your records.					
Customer Number (if available)						
Subscriber's Name	Association					
Address	Secretary's Name					
Address	Address					
City, State, Zip	Address					
Phone	City, State, Zip					
Email	Phone					

Packaging and Selling Honey in Missouri

A guide for small and medium-sized beekeeping operations

We often get questions from beekeepers about our state's regulations for bottling and selling honey. Here are some answers.

Do I need to bottle my honey in a commercial kitchen inspected by the health department?

Not anymore. Prior to 2015, honey was regulated under the "jams and jellies" law. Since those foods are subject to bacterial growth and spoilage if not processed, they are also subject to stringent food processing rules when packaged for retail sale. But since bacteria cannot live in honey, the MSBA reached out to the legislature in 2015 and passed Senate Bill 500, which placed honey in its own category.

Missouri Revised Statute 261.241 now specifically exempts honey from the commercial kitchen requirement, as well as the requirement that uninspected honey carry a warning label to that effect. Beekeepers can now sell honey either direct to consumer or via third-party retailers without having to bottle in an inspected kitchen.*

Note: This exemption applies to beekeepers with less than \$50,000 in annual sales. It also applies only to pure honey.

What if I'm adding other ingredients?

Then you are considered a food processor, and a commercial kitchen is required in order to sell through third-party retailers. If you sell only direct to the consumer

you do not need the kitchen, but your label needs to include the statement, "This product has not been inspected by the Department of Health and Senior Services." A placard with that statement is also required when selling at farmers' markets or similar venues.

What are the labeling requirements for honey?

Your label needs to include the following:

- Common name of product (Honey). A separate ingredient list is not needed unless other ingredients are added.
- Your name (or company name), and your address or other contact information.
- Net weight in ounces and grams. Example: Net Wt. 8oz (227g)

Why does the 12oz honey bear I bought hold only 8 ounces of honey?

Honey is sold by weight, not volume, and one fluid ounce of honey actually weighs an ounce and a half. Honey containers purchased from beekeeping suppliers are typically sized by weight. When using other, all-purpose containers (Mason jars, etc.), it is best to measure the liquid ounces and then multiply by 1.5 for the honey weight.

*You may find stricter requirements at the county or municipal level. Check with your local government if unsure.

West Central Region Update

As the new guy to the West Central region I was finally able to get to most of the meetings and I got to meet a bunch of great beekeepers and I learned a lot about the various ways the clubs are organized and ran. The amount of knowledge and information sharing that goes on in these organization is amazing and thank you for all that you do to help us less experienced beekeepers. We gained two new clubs recently, if you are in the area please check them out. The Show Me Beekeepers in Jefferson City and the Cass county Beekeepers in Harrisonville more information can be found on the MSBA website under the local club's section.

Ray Shadow West Central Region Director

European Foul Brood in Honey Bees

By: Kaye Johnson, DVM

European Foul Brood (EFB) is a bacterial disease of brood caused by the bacterium Melissococcus pluton. EFB is commonly seen in the spring and early summer and is more of a concern in weak hives with low numbers of nurse bees or limited food resources. The bacteria are introduced into the gut of 2-4-day old larva from infected brood food. Once established in the gut the bacteria competes with the larva for food. Effected larva change from a healthy pearly white color to yellow then eventually darken to a brown scale. As they die they begin to twist upward in the cell and their breathing tubes become more



apparent. Unlike in American Foul Brood the larva are not ropey when pulled out of the cell. EFB is diagnosed by visual inspection of the infected larva as well as with the use of field tests.

EFB is treated with oxytetracycline (trade name Terramycin), an antibiotic. As of January 1, 2017, a Veterinary Feed Directive (VFD) is required to purchase and administer Terramycin. A VFD can be obtained from a veterinarian after they have inspected your hive and established a doctor-client-patient relationship. A VFD is good for a period of 6 months from the time of issue.

Recommendations to prevent the spread of the bacteria to healthy hives:

- Work hives and apiaries suspected of having infection or being weak LAST and then disinfect all equipment and clothing in contact with these hives before use on other hives.
- Do not carry a hive tool from an infected apiary to another apiary.
- Wear disposable gloves when inspecting hives and change between apiaries.

Symptoms of Foul Brood

Symptoms of AFB (American Foul Brood)

The characteristic disease signs of AFB include some or all of the following:

- Uneven or 'Pepper-pot' brood pattern;
- Sunken, greasy or perforated, darkened cell cappings;
- Roping, sticky larval remains when drawn out with a matchstick:
- Dark "scales", which are difficult to remove from cells.

Symptoms of EFB (European Foul Brood)

An infected colony may show some or all of the signs below:

- Erratic or uneven brood pattern;
- Twisted larvae with creamy-white guts visible through the body wall;
- Melted down, yellowy white larvae;
- An unpleasant sour odour;
- Loosely-attached brown scales;
- Unlike AFB, the remains of larvae that die from EFB do not rope when drawn out with a matchstick.

Source: Foulbrood Disease of Honey Bees, National Bee Unit - Bee Base, https://goo.gl/hyvJ7C

Seasonal Apiary Management

University of Missouri Extension Service provides some tips for setting up and maintaining beehives. Suggested timelines are subject to changes in weather patterns and can fluctuate as much as 30 days.

First Year Hives

Winterizing: September and October

- Decide how to provide emergency food during the winter months.
- Begin feeding sugar water with a ratio of 1 unit of water to 2 units of sugar, by weight.
- Ensure each hive has 40 to 60 pounds of honey or feed for winter consumption.
- Add hardware cloth to the entrance of each hive to prevent mice and skunks from entering during the winter.
- Protect hives from winter winds and snow by creating a windbreak or snow screen, especially on the north side of the hives.
- Do a final hive inspection to make sure the hive is queen-right and strong. Fewer than five frames of bees indicates a weak hive that may not survive the winter.
- Combine a weak hive with a strong hive, but never combine two weak hives as neither will survive.
- Do not go into a hive if the outside air temperature is below 45 degrees F.
- After October, only enter a hive when it is necessary to check on food reserves and only if the outside air temperature is at least 45 degrees F.

Second Year & Beyond Hives

Winterizing: September and October

- Decide how to provide emergency food during the winter months.
- Begin feeding sugar water with a ratio of 1 unit of water to 2 units of sugar, by weight.
- Ensure each hive has 40 to 60 pounds of honey or feed for winter consumption.
- Add hardware cloth to the entrance of each hive to prevent mice and skunks from entering during the winter.
- Protect hives from winter winds and snow by creating a windbreak or snow screen, especially on the north side of the hives.
- Do final hive inspection to make sure the hive is queen-right and strong. Fewer than five frames of bees indicates a weak hive that may not survive the winter.
- Combine a weak hive with a strong hive, but never combine two weak hives as neither will survive.
- Do not go into a hive if the outside air temperature is below 45 degrees F.
- After October, only enter a hive when it is necessary to check on food reserves and only if the outside air temperature is over 45 degrees F.
- Never feed liquid food during freezing temperatures because doing so could cause an "icebox" effect on the hive. Loose sugar or fondant is recommended for emergency feeding during this time of year.

 $Source: Seasonal\ Apiary\ Management\ for\ Missouri,\ University\ of\ Missouri\ Extension\ Service,\ Revised\ March\ 2016,\ https://goo.gl/yUYLi4$

Bee Inspection and Diagnosis

Missouri Apiculture Law (Chapter 264, Missouri Revised Statutes) provides for inspection of honey bees upon request. Out-of-state beekeepers are required to have inspections done before bringing honey bees or equipment into Missouri. Contact the Missouri Department of Agriculture, Plant Industries Division, Plant Pest Control Program at 573-751-5505.

Samples of bees for diagnosis can be sent to the U.S. Department of Agriculture (USDA) Bee Research Laboratory in Maryland. Submission instructions can be found online by visiting https://goo.gl/iS8PGB.

EDUCATION

Dealing With Small Hive Beetle Damage

By: Gregg Hitchings

We in Missouri have only a few years under our belt in dealing with small hive beetles (SHB). There is much good information on the web regarding the SHB, most of it provided by those in more southern states who have been dealing with them far longer.

Last year in southeastern Missouri we seemed to have an especially bad late summer/early fall with many beekeepers losing some of their weaker colonies to exploding SHB populations. I haven't seen this in my review of literature but perhaps these beetles can exploit the cooler evenings of this time of year to disperse within the colony and gain a foothold for egg laying. As the days get shorter and the nights get cooler bees naturally migrate to the brood rearing area of the colony for appropriate thermal regulation during the evenings. The workers are not roaming the combs and keeping the beetles at bay as much as they are able to do during the higher temperatures of daytime. The beetles' movements are not hindered by the constant harassment of the bees and the female hive beetles can disperse and lay some of those 1000 eggs they are capable of producing during their lifetime. Maybe this is one of the factors contributing to the late season SHB issues we've experienced. Anyway, it's just a theory. Maybe time will tell if this reasoning is correct.

Last year in late September I was able to witness what initially was believed to be a swarm issuing from one of my hives in my home yard. This was one of the few colonies which I hadn't got around to moving away from shade and into more direct sunlight. I had also neglected checking it for about a month and thought it was doing just fine, remembering it had been strong at last inspection. Fortunately, the bees clustered where they were easily recoverable but before gathering I checked the hive from which they came. This was no regular swarm...I had been lucky enough to be present as they were absconding! I found the hive almost completely empty of bees but absolutely infested with hive beetles and their larvae. Virtually all the bees' stores were ruined, very



Small hive beetle larvae and slimed honey.

little brood was present and the hive reeked as a result of the "slime job".

I had never dealt with this before but with a couple of pounds of bees hanging on a limb needing a home, something had to be done. I basically did a shook swarm (google it) by removing all the frames in the original two deep hive bodies and placing the swarm back in its' original location in one deep with ten frames of foundation...no comb at all. Sugar syrup was placed for the bees. The twenty frames taken from the colony were placed in hive bodies and put in the freezer overnight to kill all beetles, beetle eggs and beetle larvae.

I feel the need at this point to give every reader a tip. It is not a good idea to dramatically rearrange the entire contents in your freezer to accommodate two deep supers wrapped in plastic bags without first seeking permission or at least informing your spouse. Don't ask me how I stumbled onto this little bit of marital wisdom!

The following day I removed the twenty frames and, after they warmed up to normal temperature, these were picked through to find the best ten. There was some honey, not much but some, which was capped and appeared to be free from damage. If there was any doubt, a cappings scratcher was used to prepare the comb for what followed. Using a garden hose the combs were thoroughly flushed with water. I found it interesting that the nozzle could be adjusted so the stream of water, at a distance of about eight feet and hitting the comb at a direct 90 degree angle, could flush the spoiled honey from the combs while not disturbing the good honey which had been left capped. More interesting than that was the observation

Continued on Page 11

Basic Security in a Connected World

By: Ray Shadow, West Central Region Director

- 1. Operating systems updates, set them to automatic and check them occasionally to make sure they are installing.
- 2. Install and keep updated an antivirus and an antimalware program
- 3. A few notes on Social Media that can affect your security
 - a) Never check in at a location on Facebook... All you are doing is telling everyone you are not home and maybe depending on what you post and how you post it you may be telling everyone that your young son or daughter is home alone, just don't do it.
 - b) Never tag anyone else in a photo or video without their express permission. This is the same thing as above but you are telling everyone that someone else isn't home.
 - c) Always remember that information and images that are posted once even for a few minutes are ALWAYS out there, you can never really delete stuff off of the internet.
 - d) There are a few smart cards that are available to the general public on Ft Leonard Woods page that can be useful when working with social media, just common settings that can be considered, I am not sure how often they are updated but since most of us probably never change any security settings and the sites are designed to collect data on everything, anything we do anything is better than nothing.
- 4. Pictures, many of today's pictures are taken either with a smart phone or with digital cameras that have the ability to embed locations into the metadata of the photo. Please turn off this ability before taking pictures, especially ones you intend to post online. Do you really want to tell the world the precise location of that hot item you are trying to sell.
- 5. Scams are everywhere pay attention to what people are sending you and be very careful about payment options. Never cash a check the was "accidently" send for the wrong amount and send the difference back, it's a scam...
- 6. For a more in-depth discussion on computer security check out the paper on https://trynthingz.wordpress.com/

Small Hive Beetle Damage

Continued from Page 10

this stream of water, when hitting the cappings of what remained of dead drone brood, would blow through the caps and pop the dead drone pupae out of the cell. Perhaps this knowledge could be useful by those utilizing the drone brood trapping method in varroa control.

After flushing, the water was shaken from the combs and the hive body containing these ten best combs were returned to the bees by placing on top of the deep containing the bees and foundation. A couple of days later the colony was checked and the bees had thoroughly dried out the refurbished combs and accepted them well. The queen had moved up and was already laying. I removed the bottom deep and shook the bees from the foundation onto the combs. A couple of frames of brood and one of

honey from a strong colony were traded with this reworked colony to give it a boost. Over the next few weeks this colony was gradually moved, five to ten feet every day or so, until it was away from the shade. It successfully overwintered, expanded to a second deep this past spring and was able to build comb and fill a medium super by July. Everything considered, it was worth the effort.

Gregg Hitchings is MSBA's Director for the Southeast Region. He has kept bees all of his adult life and received his Master Beekeeper certification through the University of Florida. Gregg recently retired from a forty year career in law enforcement and currently mentors beekeeping students at his Belleview Valley Apiary in Iron County.

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Queen/Ambassador Chair - Vacant

Missouri Beekeepers Association Local Associations

1. Beekeepers Assn of the Ozarks

4th Tuesday, 6-9 p.m., Seminole Baptist Church, 4221 S. National Ave. Springfi eld MO 65810

Jeffrey Maddox, President, maddox65804@yahoo. com, www.ozarksbeekeepers.org

2. Bees Alive

1st Thursday, 7-9 p.m., Central Bank of the Ozarks, 502 W Mt. Vernon St., Nixa, MO 65714

Dan Barton, dannyohboy@hotmail.com, www.beesaliveclub.org

3. Bolivar Bee Club

1st Monday of each month from 6 – 7:30 p.m., County Library, Bolivar

4. Boone Regional Beekeepers Assn

3rd Sunday, 920 East Campus Dr. Room S147, Columbia. Doors open at 2:45 pm Meeting at 3:00 pm.

Jim Duever, President, 573-254-3373, www.boone-bees.org

5. Busy Bee Club

4th Tuesday, 7:00 p.m., Cedar County Health Center, Owens Mill Road, Stockton

Neal Lee, 417-276-3090, Neil Brunner, 314-276-4252

6. Cass County Bee Club

2nd Sunday 2-4 p.m., Family Farm & Home Center, Harrisonville, MO 64701

Christine Falynowski, 816-739-0726, thekansasbee-co@yahoo.com

7. Dexter Bee Club

1st Tuesday, 6 pm, Scott Laden's house, 9265 County Road 627, Dexter

Cory Stevens, 573-225-6935, corystevens00@yahoo.com

8. Eastern Missouri Beekeepers Assn

2nd Wednesday, 7 pm, location changes.

Bob Sears, President, 314-479-9517, www.eastern-mobeekeepers.com

9. Fort Wood Area BEEKS

1st Sunday, 981 HWY Z, St. Robert, MO **Johnny Lozano**, **573-528-4443**, **silverback2bc@gmail.com**

10. Gasconade Region Beekeepers

2nd Tuesday, 7 pm, First State Comm. Bank, 308 W. Lincoln Avenue, Owensville

Chris Bilbrey, 573-692-0698, twaace01 at fidnet.com

11. Golden Valley Beekeepers

2nd Monday, 7-8:30 pm, Golden Corral, Clinton MO. Jerry Perry, President, 660-383-1355, jamiebperry711@ yahoo.com, www.goldenvalleybeekeepers.com

12. Greenhills Bee Club

4th Monday, 7 pm, American Legion Hall, Braymer J.R. Hess, 660-233-9577, jrhess11@gmail.com

13. Iberia Area Beekeepers

3rd Tuesday, 6:30 pm, Iberia Library
Ray Shadow, 573-286-5289, trynbeez@outlook.com,
www.facebook.com/trynbeez/

14. Jackson Area Beekeepers

4th Tues., 7 pm, First Presb. of Jackson, 206 E. Washington **Grant Gillard, 573-243-6568, gillard5@charter.net**

15. Jefferson Co Beekeepers Assn

2nd Tuesday, 7:30 pm, Hwy B & 21, Jefferson Co Extension Ctr, Hillsboro, **Marvin Hook, 636-274-1759**

16. Joplin Area Beekeepers Assn

Last Tuesday, 6 pm, SM Bank Community Bldg (7th & Duquesne Rd), Joplin

Dale Foley, 417-850-0285, contact@joplinareabeekeepers.com

17. Lake of the Ozarks Beekeepers

3rd Sat., 1:00 pm, Square Deals Ice Cream Shop, Versailles Garrett Blackwell, 573-374-7402

18. Mark Twain Beekeepers (Dent County)

3rd Monday, 6-8 pm, Contact for meeting locations Terry Phelps, 573-729-3333, Gregg Tivnan, 573-689-2254, greggtivnan@yahoo.com

19. Meramec Valley Beekeepers

1st Sunday, 2 pm, Peace Lutheran Church, Sullivan Sam Elia, 573-732-5597, samnora1@gmail.com, Laurie Rose, laurierose1219@yahoo.com

MSBA-INFO

20. Mid Missouri Beekeepers

3rd Sunday, 2 pm, Old Train Depot, St. James. **Don Moore, 573-265-8706, dlmoore2@centurytel.net**

21. Midwestern Beekeepers Assn

3rd Sunday of the month, Bass Pro Shops in Independence MO. Visit midwesternbeekeepers.org for meeting calendar Bob Williams, President, thebeltonbee@gmail.com, www.midwesternbeekeepers.org

22. Mississippi Valley Beekeepers Assn

Last Tuesday in Quincy, IL Bernie Andrew, 217-938-4975

23. Missouri Valley Beekeepers Assn

3rd Monday, 7 pm, Union, location varies

Calvin Brandt, President, cvbrandt@landolakes.com

24. North Central MO Beekeepers Assn

1st Monday, 7 pm, Macon High School, Macon Bill George, 660-214-0132, georges@chbeekeeping.com, www.ncmobees.org

25. Northeast Missouri Beekeepers Assn

1st Friday, 7 pm, Clark Co Courthouse, Lower level, Kahoka (3 mi S of Wayland), location may vary Randy Ewart, 573-248-5561, rewart@centurytel.net

26. Northland Beekeepers

3rd Tues. (usually), 7 pm, Smithville Library, Highway 169 Clayton Lee, 573-864-5172, leeland55@gmail.com

27. Northwest Missouri Bee Busters

2nd Monday, location varies

beebusters2012@gmail.com, nwmobeebusters.blogsplot.com

28. Parkland Beekeepers

3rd Tues., 7 pm, N College Center, Mineral Area College, Park Hills Ray Politte, President, 573-631-8236, PBA_President@mineralarea.edu, www.parklandbeekeepersassociation.org

29. Pomme de Terre Beekeepers

2nd Thursday 7 pm, Missouri Extension Offi ce, Hermitage Rebekah Huddleston, Rebekah_421@yahoo.com

30. Quad County Beekeepers

1st Tuesday, 7 pm, Missouri Extension Office, Troy Eric Reid, President, QuadCountyBees@yahoo.com, quadcountybeekeepers.com

31. Rolla Bee Club

4th Sun. 2 pm, Brownwood Estates Clubhouse, 1341 California, Rolla David Draker, 573-578-0561, rollabees@gmail.com, www.rollabeeclub.com

32. SEMO Honey Producers

2nd Thursday, 6:30 pm, Zion Lutheran Church, 450 N. Main St., Poplar Bluff

Ray Batton, 573-785-1980, 573-778-6475 cell sbatton6@gmail.com

33. Show Me Beekeepers

2nd Thursday, 6 p.m., Memorial Baptist Church Jefferson City, Mo.

Debra Maier, 573-832-3001, townpolk@gmail.com

34. South Central MO Beekeepers Assn

1st Friday, Howell Electric Coop, West Plains Monty Wiens, President, 417-257-3994

35. Southern MO Beekeepers of Monett

3rd Tuesday, 7 pm, United Methodist Church, Hwy 37 NW of Monett

John Schmidt, President, 417-830-9141

36. SW MO Beekeepers Assn of Neosho

1st Tuesday, Neosho High School FFA Bldg
Thelma Ross, 417-472-3504, rtross@scomm.net

37. St. Louis Beekeepers

4th Tuesday, 6:30 pm, Schlafly Bottleworks contact@saintlouisbeekeepers.com, www.saintlouisbeekeepers.com

38. Swarm Chasers

MO Dept. of Conservation, 701 McCarthy Dr., St. Joseph Jason Seetin, swarmchasers@gmail.com

39. Three Rivers Beekeepers

3rd Mon., 7 pm, MU Extension, 260 Brown Rd, St. Peters Dwain Jansen, President, 314-910-1251

40. West Central Beekeeping Assn

2nd Wednesday, 6:30 pm, State Fair Community College, Potter-Ewing Ag Ctr, Sedalia

Rick Messenger, 660-827-4489, lindarick95@gmail.com

41. West Plains Bee Group

3rd Thursday, 6 pm, Hirsch Feed & Farm Supply, 789 Worley Dr., West Plains

Carl Fry, 417-247-0708, Dan Cropper, 417-372-2602

42. Western Missouri Beekeepers

2nd Tues., 6:30 pm, Moor-View Community Room, Nevada Caroline Phillips, President, 417-321-3587, bcphillips81@gmail.com

43. Wright County Beekeepers

2nd Thursday, 7 pm, Laclede Electric Building, Hartville Rick Bledsoe, 417-741-7466, wrightcountybeekeepers@gmail.com