

The Missouri State Beekeepers Association Brood



Inside This Issue

Spring brings.... flowers, rains, bees and of course beekeeping courses
page 3

Reusable food storage wrap made from beeswax
page 5

Looking to plant native wildflowers? Jacquelyn Bandy discusses planting native wildflowers
page 7

MSBA Spring Conference is just around the corner
page 10

Honey Ambassador will be Making his Rounds

Happy New Year Fellow Beekeepers! I hope this year brings a good year in the apiary with a large honey crop. As Christmas break is ending, I am preparing for presentations throughout the state. This month I will be presenting at Parkland Beekeepers Association Beginner Beekeeping Class on January 20th and at the Midwestern Beekeepers Association General Monthly Meeting on the 21st.



In February plans are underway for me to present at the North Central Mo Beekeepers Associations Beginner Beekeepers Class on February 10th, and the Midwestern Beekeepers Association's Beginner Beekeeping Class on February 24th. If you would like to stay updated on my travels throughout the year, you can also follow me on Facebook at Kyle Day: 2017 Missouri State Honey Ambassador.

If you have an event and would like me to attend, be sure to get ahold of Amy Giffen at amygiffen@hotmail.com and we can make the arrangements!! I hope that everyone's bees are surviving the winter months. Just a few days ago mine were looking great and prepared for these next cold months. I wish everyone the best of luck with getting your hives through the next couple months of winter, and I hope to see everyone throughout the events I will be attending these next couple months and at the Spring Conference!

Practice your queen-spotting skills at www.mostatebeekeepers.org
On the front page you'll find a photo of a frame of bees, see if you can find the queen

From the President

by Clayton Lee

My bees were out yesterday (December 16, 2017) enjoying the nice weather. I always worry a bit if I have helped my bees properly prepare for the winter. We all think of food and ventilation, but we never know if we will have a harsh winter weather. ... This is one time I hope for an average season – ha!

Please add the March 2nd-3rd MSBA Spring Conference to your calendar. Our event will take place at the Johnson County Fairgrounds near Warrensburg. Jim Tew, PhD will be our featured speaker and we have an opportunity to take a preconference queen rearing preview with Cory Stevens. Please check out our website (<http://mostatebeekeepers.org/2018-msba-spring-conference/>) and register. If you or your local club want to be a vendor at this year's Spring Conference, let me know by emailing leeland55@gmail.com.



Several members have contacted us (MSBA Executive Committee) for recommendations for a master beekeeping program they can take for additional education/training. Currently, the MSBA Executive Committee recommends twelve (12) programs available to all. Check out the list at <http://mostatebeekeepers.org/master-beekeeper-letter/>.

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 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!



Thanks for the Memories

Thanks to MSBA South East Regional Director Gregg Hitchings for being the official MSBA fall 2017 conference photographer. Anyone like to volunteer to photograph our spring 2018 event March 2-3? To volunteer or more info, contact Program Chair Bruce Snavelly brucesnavelly@hotmail.com
(Photo by Charlotte Ekker Wiggins)

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

Mark Your Calendars

January 8, 15, 22, 29, 2018 – Golden Valley Beekeepers Association, Beginning Beekeeping Workshop, Clinton. More details: find Golden Valley Beekeepers on Facebook or call Jerry or Jamie Perry 660-383-1355

January 11, 18, 25 and February 1, 2018 – Wright County Beekeepers, Beginning Beekeeping Course, Hartville. More details: wrightcountybeekeepers@gmail.com or (417) 324-6850

January 20, 2018 – Boone Regional Beekeepers Association, Beginning Beekeeping Workshop, Columbia. More details: <https://www.boonebees.com/2018-beginning-beekeeping-class>

January 20, 2018 – Parkland Beekeepers Association Workshop, Mineral Area College, Park Hills. More details: gregghitchings@gmail.com or 573/880-2899.

January 27, 2018 – Rolla Bee Club: Basic Beekeeping Class, Rolla. More details <http://www.rollabeeclub.com/classes.html>

January 27 and February 24, 2018 – Mississippi Valley, Beginning Beekeeping Class, More details call Dale Hill (217) 440-3258 or Bernie Andrew (217) 242-4975

February 2018 – The Pomme de Terre Beekeepers will be having a Spring workshop. More details: Contact Rebekah at 417-993-0186.

February 10, 2018 – North Central Missouri Beekeeper's Association, Beginner's Beekeeping Class, Macon. More details: contact Bill or Tammy at: (660) 214-0132 or georges@chbeekeeping.com

February 17, 2018 – Cass County Beekeepers Class, contact thekansasbeeco@yahoo.com

February 24, 2018 – Midwestern Beekeepers Association, Beginning Beekeeping Workshop, Independence. More details: call Bob Williams at (816) 331-6634 or Janice Britz at (816) 419-1327 <http://www.midwesternbeekeepers.org/>

Beekeeping Report

Email to me (Clayton Lee) with an interesting report on beekeeping:

Dear Missouri Specialty Crop Producer,

Earlier this year, you received a request to complete a Missouri specialty crop survey. To those of you who completed the survey, THANK YOU.

Findings for this survey and a historical report on Missouri's specialty crop industry can be found at <http://crops.missouri.edu/horticulture/> (under the Missouri Specialty Crop Industry header).

We received over 500 survey responses. Several producers completed surveys after the cutoff date. We decided to reopen the survey this winter and will be accepting new surveys until March 31, 2018. If you previously did not complete a survey and want to respond, take the survey at <http://tinyurl.com/SpecCrop>. We will rerun the summary report in Spring 2018.

Sincerely,

Ryan Milhollin

Agricultural Economist

University of Missouri Extension

223 Mumford Hall

Columbia, Missouri 65211

Phone: (573) 882-0668

Upcoming Classes and Events

*By Charlotte Ekker Wiggins
East Central Regional Director*

Three Rivers Beginning Beekeeping January 19-20, 2018 Workshop

Three Rivers Beekeepers will hold it's annual beginning beekeepers class January 19-20, 2018 in St. Peters, Missouri. The class will prepare attendees to keep and care for bees and cover honeybee biology, hive basics, basic beekeeping equipment, purchasing and assembling hive equipment, getting and installing honeybees, inspecting and managing hives, solving common beekeeping problems and preparing hives for honey collection.

Cost is \$75 per person.

Classes will be Friday, January 19, 2018 from 6 pm. to 8:45 p.m. and Saturday, January 20, 2018 from 8:30 a.m. to 5 p.m. Lunch will be provided on Saturday including refreshments and snacks.

Classes will be held at University of Missouri Extension Center at 260 Brown Road, St. Peters, Mo. 63376. For more details and to register, visit <http://threeriversbeekeepers.com>.

Eastern Missouri Beekeepers to Host Annual Banquet and Beekeeping Workshop February 9-10, 2018

Eastern Missouri Beekeepers Association (EMBA) will offer a full day of professional beekeeping instruction and the Sixth Annual EMBA St. Louis Beekeepers Mardi Gras Banquet Friday, February 9, 2017 also at Maritz. For complete information on their event, read their article on page 8 & 9 in this issue of the monthly newsletter.

One of Heartland Apicultural Society's (HAS) July 11-13, 2018 Conference Speakers at Washington University, St. Louis Wins International Competition

Samuel Ramsey, one of Heartland Apicultural Society's (HAS) conference speakers scheduled to speak at Washington University in St. Louis July 11-13, 2018 won the Universitas 21 Three Minute Thesis (3MT) competition October 2017. Ramsey is a doctoral candidate in Dr. Dennis vanEngelsdorp's lab at the University of Maryland studying how varroa mites decimate honeybees. Dr. vanEngelsdorp will also be a speaker at the HAS conference next summer.

Universitas 21 is the leading global network of research-intensive universities, working together to foster global citizenship and institutional innovation through research-inspired teaching and learning. Collectively, its 25 members enroll over 1.3 million students and employ over 220,000 staff and faculty.

HAS is an annual conference focused on discussing the latest beekeeping methods and research. Established in 2001 by several professional entomologists, the HAS conference rotates through the Midwest to make the conference more easily accessible. The conference was last held in Missouri in 2012.

More details at www.heartlandbees.org.

— bzzz —

Stuff We Love: Reusable Food Storage Wrap Made from Beeswax

Story from *Reviewed.com*

By Keith Barry and Jeremy Stamas

Like a lot of people, Sarah Kaeck was sick of throwing away disposable food wrap. But she also needed a way to keep food fresh.

So Kaeck designed Bee's Wrap, a reusable food wrap made from beeswax and fabric that's become a favorite among environmentally conscious home cooks—and some of us in the office as well. We decided to catch up with Kaeck at the International Home & Housewares Show in Chicago to find out more just how Bee's Wrap got so popular.

In our experience, Bee's Wrap is ideal for wrapping bread and cheese.

Kaeck's first attempts at making Bee's Wrap started in her own home in Bristol, VT. "I started playing around with fabric and beeswax," she said. "I shared it with friends and family, and I decided it was a product I could market—and it kind of went from there." Now, she employs a team of nine people, and invented machinery that waxes rolls of fabric so she could scale up production to meet demand.

While it's largely sold on its environmental benefits, Bee's Wrap is also ideal for food storage. An avid home baker, Kaeck said it'll help keep bread crusty and soft. "It breathes just a little bit, which is actually a very healthy environment for your food—it's great for wrapping cheese, half of an avocado (IMPORTANT), or half of a lemon." Not only is this plastic wrap alternative reusable, but it's multifunctional as well. You can build a sandwich on top of it in your kitchen, and then unwrap it to use as a placemat. Genius.

Bee's Wrap is available in a variety of sizes and patterns.

It's also great for covering jars and bowls. Just press some Bee's Wrap onto the top of a container and the warmth of your



hand will soften the wax just enough to create a seal. Oh, and did we mention this wrap smells faintly of honey?

You can wash Bee's Wrap with cold water (soap is okay, but warm water melts the wax), hang-dry it, and use it again. According to Kaeck, it should last about a year if you use it a few times a week. Kaeck told us that she has more plans for Bee's Wrap, including complementary products and new patterns—all of which will probably be a hit with our employees.

View the original story at <https://goo.gl/sB6X4H>



National Honey Bee Pest and Disease Survey

By Doug LeDoux

Missouri Department of Agriculture

The Missouri Department of Agriculture has been working with a dozen Missouri beekeepers during fall 2017 in the National Honey Bee Pest and Disease Survey, which is funded by USDA APHIS PPQ. MDA staff, working with a number of beekeepers in southwest, central and eastern Missouri, collected samples that were then sent to the University of Maryland for testing. Samples of live bees, preserved bees and comb were sent to the lab to test for the presence of parasitic mites, insects and viruses, and wax samples were analyzed for the presence of pesticide residues, all of which may affect honey bee health. Details about the survey may be found here: <https://goo.gl/iZA1MF>

The survey is voluntary and each participating apiary receives survey results from their apiary. Apiaries must have a minimum of eight hives with both queens and

brood to participate. Samples of both live bees and an alcohol sample of bees (one quarter cup each) are taken from each of the eight hives, plus wax samples from each. Samples are sent to the University of Maryland for processing. Some of the tests require more time to complete so all results will not be fully known until up to one year after sampling.

We still have a few more openings left for sampling apiaries in southwest and east central Missouri during the spring of 2018. Ideally, we would like to find three to four additional locations in Dade, Douglas, Taney, or Barry counties in southwest Missouri and one or possibly two additional locations in the Crawford, Gasconade, Maries, Miller or Osage county areas. If you are interested and have at least eight hives, please call or email Doug LeDoux, MDA survey coordinator at 573-522-9948 or douglas.ledoux@mda.mo.gov.

Planting Native Wildflowers

Jacquelyn Bandy of the Golden Valley has more information to help us grow more native plants for our bees.

Help feeding bees naturally. Last time I wrote about knowing your soil and space, now I want to talk about seeding. You can either mow down to the lowest setting possible in late fall, burn or cover with black plastic for 2 months to kill existing vegetation, if killing with herbicides be sure to follow label instructions. Proper planting for native is about 2 times the seed thickness, using non tilling method, broadcast your native seed which should be done in winter to expose those seeds to the cold, freeze, and moist conditions necessary for germination. It is important to plant a variety of natives with the right ratio, so that you will have plants blooming at different times of the year. The recommended ratio is 5 pounds to an acre. Use a combination of at least 9 species, with at least 3 of those blooming in different seasons. A 3 gram pkt. of mix covers about 20 square feet.

To maintain the project during the first growing season cut all back to 6 inches when the height of the weeds are at about 12 inches. Most wildflowers remain less than 6 inches in the first year. Generally it isn't necessary to cut back the second unless you see the weeds are thick and creating a closed in situation, then cut back to 6 inches. From the third year on a burning or mowing will promote strength and prosperity to the wildflowers the bees love. As a note it is better to burn October through February.

Wildflower seeds will germinate, in the warm days of March and April. Always remove or kill exotics like sericea lespedeza ASAP to prevent reseeding. I hope this gives you ideas for your own bees and habitat to encourage native wildflowers and the population of our honey bees.

Can You Find the Queen?

By: Gregg Hitchings, MSBA Southeast Regional Director

Seeing the queen in our routine management of our hives is a reassuring thing. However, life has taught me the ease at which the queen is located is inversely proportional to the need of finding her.

Queen finding skills develop with experience. It can also be a fun challenge. Have you seen the “find the queen” exercise at the bottom of the home page of MSBA’s website? An image of a frame of bees containing a queen is posted and with a click you can enlarge the picture to scan for the royal mother. Think you have found her? Another click will confirm your sighting.

We have been amazed at how popular this little feature on our site has become. We feel the need to update this image often to aid those wishing to challenge or enhance their queen location skills. However, we need some good appropriate pictures of frames with queens

in order to do this, digital image files of at least 500K. If you have any pictures you would like to submit for consideration, please do so by emailing them to me at: gregghitchings@gmail.com

Please include your name and what local beekeeping association of which you may be a member. We’ll give you credit for any photo used. Also, if your mind works like most beekeepers, please don’t submit a picture of a very busy frame **WITHOUT** a queen. I know it’s tempting but I’ll be the one that does the screening on these images and there’s only so much time in a day...

Try your hand at the challenge, check out <http://www.mostatebeekeepers.org>

Gregg Hitchings
MSBA-Southeast Regional Director

Basic Beekeeping Class Registration Open

Registration is now open for a basic beekeeping class Saturday, January 27, 2018 at Brownwood Estates Clubhouse, 1341 California, Rolla, Mo. from 9 a.m. to 3 p.m.

Cost is \$50 per person including lunch and class materials. Class size is limited; attendees must be at least 15 years of age or older. To register, send your name, email and phone number to rollabees@gmail.com and a check to David Draker, 1951 Monterey Drive, Rolla, Mo. 65401 no later than Friday, January 5, 2018.

Gift certificates are available for this class, email rollabees@gmail.com for more information.

The basic beekeeping classes will include basic bee behavior and biology; beekeeping equipment needs and costs; how to properly use beekeeping equipment, how to set up bee hives; basic pests and diseases and how to help bee colonies get through their first winter.

Both classes qualify for Phelps County Master Gardeners continuing education and Meramec Hills Chapter Master Gardeners advanced training.

Both instructors are active beekeepers who have completed beekeeping instructor training through Lincoln University, Jefferson City, Mo: David Draker and Charlotte Ekker Wiggins, Charlotte is also a University of Missouri advanced master gardener.

Just a reminder Rolla Bee Club will not meet in December. Rolla Bee Club meets the 4th Sunday of the month from 2-4 p.m. at Brownwood Estates Clubhouse, 1341 California, Rolla, Mo. The next meeting will be Sunday, January 28, 2018 from 2-4 p.m. Everyone is welcome. For a list of upcoming meeting dates and more information, visit Rollabeeclub.com.

Rolla Bee Club is sponsored by Bluebird Gardens Foundation, a charitable foundation part of the Community Foundation of the Ozarks.

Eastern Missouri Beekeepers to Host Annual Beekeeping Workshop & Banquet in St. Louis

Beekeeping Education Specialists to Present Courses for Beginners and Experienced Beekeepers. October 5, 2017. The Eastern Missouri Beekeepers Association (EMBA) will offer a full day of professional beekeeping instruction for beginners and experienced beekeepers on Saturday, February 10, 2018, at Maritz in Fenton, Missouri. Registrants are encouraged to attend The Sixth Annual EMBA St. Louis Beekeepers Mardi Gras Banquet the evening before the workshop on Friday, February 9, at Maritz.

Leading beekeeping educators, and honey bee research scientists from the University of California, Davis, Department of Entomology, the University of Minnesota Bee Lab, and Oregon State University Honey Bee Lab, will be among the visiting faculty leading the workshop. Instructors will include Elina L. Nino, PhD, apiculture research and extension, UC Davis, Becky Masterman, PhD, University of Minnesota Bee Lab Team Leader, Ana Heck, Minnesota Bee Lab Bee Squad Instructor, and Ramesh Sagili, PhD, 2017 EAS Hambleton Award Winner, Oregon State University, College of Agricultural Sciences, Honey Bee Lab.

The Experienced Beekeepers course will be tailored towards intermediate and expert level beekeepers and will place special emphasis on hive management and honey bee health issues.

The Beginners Beekeeping course is intended for novice beekeepers and persons with no prior beekeeping

experience. The class will cover all aspects of basic beekeeping to prepare students to start keeping bees.

Tuition for the workshop is \$85 per person if registered by January 21, 2018. Tuition is \$95 per person for those registering on or after January 22. Banquet registration costs \$30. Banquet registration closes February 4th. Lunch and refreshments are included with the workshop. Registration packets will include course materials, an authoritative reference book, beekeeping periodicals, and equipment catalogs.

The Friday evening banquet features New Orleans style food and music, a cash bar, door prizes, including nucs, queens and beekeeping equipment, and a keynote speaker. The cost of the banquet is in addition to the workshop. For more information, visit www.easternmobeekkeepers.com

Equipment vendors include representatives of Dadant & Sons, Kelley Beekeeping Co., and others.

EMBA supports beekeepers with a broad program of cooperative procurement and educational events throughout the year. Members may obtain complete beginner's equipment kits, nucleus bee colonies, and queens for delivery in the spring. The Club also sponsors open hive instructional workshops and guided colony health monitoring, during the season, at the Club's teaching apiary in Creve Coeur, Missouri.

Registration is available online at www.easternmobeekkeepers.com. More information is available by email to info@easternmobeekkeepers.com or by calling 314-669-1828.

iTunesU Course: Beekeeping and Honey Bee Biology... Beta Testers Needed

The OSU Bee Lab has created a free honey bee biology and beekeeping course based on Dr. Reed Johnson's for-credit OSU Beekeeping course. This free course consists of video lectures, handouts and readings that can be accessed on-line on Apple devices (iPad or iPhone). We need volunteers to review the course and offer suggestions. <http://u.osu.edu/beelab/itunesu-course-beekeeping-and-honey-bee-biology-beta-testers-needed/>

Honey Sugar Cookies Recipe

*From Charlotte Ekker Wiggins
East Central Regional Director*

The holidays are over, I know, but with cookie cutters this is a recipe you can make all year to celebrate other occasions, or to make a mundane day special.

I found this basic honey sugar cookie recipe in an old recipe book my mother used to use. With some leftover honey taking up space in half-empty jars, I decided to try it since it cuts down the amount of sugar one uses in the basic cookie dough and liked the results.

These work well as very thin sugar cookies or the thicker cookies often decorated with icing during Christmas. These are not as sweet as other sugar cookies I have made so adding buttercream icing shouldn't make these overly sweet.

I prefer mine quite thin with a light dusting of sugar crystals before they are popped into the oven.

Honey Sugar Cookies

Ingredients:

- 2 1/2 cups all-purpose flour, plus more for dusting
- 3/4 teaspoon baking powder
- 1/4 teaspoon salt
- 2 sticks unsalted butter, at room temperature
- 1/2 cup granulated sugar
- 1/4 cup honey
- 1 large egg
- 1 teaspoon pure vanilla extract

Directions: Whisk the flour, baking powder and salt in a medium bowl. I sift them together into the bowl to make sure all ingredients are well mixed.

Beat the butter and granulated sugar in a large bowl with a mixer on medium-high speed until light and fluffy, about 3 minutes. Beat in the honey, egg and vanilla until smooth. Reduce the mixer speed to low; beat in the flour mixture until combined.

Refrigerate until firm, at least 4 hours or overnight.

Roll the dough out on floured surface and cut with a favorite cookie cutter. If the dough is too soft to work with, refrigerate until firm again.



Bake until the cookies are lightly browned. I check at the 5 minute mark but they could take 10 minutes. Less time if they are thin, more time if they are thicker.

Let cool on the pans while you pour the glasses of milk. Decorate with buttercream icing to make the cookies extra special.

Buttercream Frosting

Ingredients:

- 4 cups of powdered sugar
- 1 Cup (2 sticks) of Softened butter (we have used both salted and unsalted, but we normally use salted.)
- 2-3 teaspoons of vanilla
- 1-2 tablespoons of milk

Directions: Beat butter on low for a few seconds to break it up; add powdered sugar, vanilla and milk on low, then kick it up for a minute until smooth.

Separate to color with food coloring; add to decorating bags and have fun embellishing the cookies!

MSBA Spring Conference

Friday afternoon March 2 and all day Saturday March 3

Dr. James E. Tew is the Beekeeping Specialist for the Alabama Cooperative Extension System, Auburn University and Emeritus Professor, The Ohio State University. Jim has taught classes, provided extension services, and conducted applied research on honey bees and honey bee behavior - specifically pollination



behavior. He contributes monthly articles for national beekeeping publications and has written: Beekeeping Principles, Wisdom for Beekeepers, The Beekeeper's Problem Solver, and Backyard Beekeeping. He is a frequent speaker at state and national meetings and has traveled extensively to observe beekeeping techniques. Dr Tew will give the following presentations:

1. Winning and losing at swarm control and management

Swarming is one of the bees' primary behaviors. In natural conditions, it is critical to this species survival. Yet, a lost swarm is lost resources to the beekeeper. This presentation discusses swarm management and accepting the occasional swarm loss.

2. The frustrating truth about modern queen management

Queens have become increasingly expensive. Yet many advisors still recommend routinely requeening functional colonies. Queen management recommendations are evolving, but some frustrations still remain. This presentation discusses changing attitudes toward queens and queen replacement.

3. Beeswax is underappreciated – Why?

There would be no honey bees without honeycombs. Beekeepers view comb production and subsequent comb processing as a common hive behavior. A lot is happening

on and within the colony's skeletal structure. Beeswax is elegantly designed and perfectly suited for colony needs but not always fully respected for the total contribution that wax makes. This lecture discusses some of the characteristics and multiple uses for beeswax that are not commonly reviewed.

4. The Foulbroods – still out there killing bees

Predaceous mites, viruses and Small Hive Beetles are the current glamor pests – and they should be. But all the other pests and diseases are still here. The foulbroods and other old and established colony diseases get little fanfare now. This presentation reviews and compares the two primary foulbroods and discusses the few management schemes that are currently available to beekeepers.



Alexandria Payne was born and raised in Houston, Texas. She attended Texas A&M University and earned her Bachelor's degree double majoring in Bioenvironmental Sciences and Wildlife and Fisheries Sciences. She currently works in Dr. Juliana Rangel's Honey Bee Lab as an undergraduate researcher and later joined her lab as a

National Science Foundation Research Scholar following her graduation in May 2016. She is currently in the second year of her PhD program and is studying the transmission of honey bee viruses between honey bees and different species of ants. She gives introductory level and well as in-depth presentations focusing on honey bee pathogens and disease. In 2017 Alex Payne received an award for Best Student Paper from the American Association of Professional Apiculturists for her talk at the organization's annual American Bee Research Conference in Galveston TX. Ms. Payne will give the following presentations:

1. Who got me sick? Transmission routes of honey bee viruses

This looks at different honey bee viruses and the different modes of transmission that can introduce viruses to hives.

2. What happens when a bee gets sick?

This deals with the changes in physiology, nutritional needs, reaction to other stressors, etc. that bees undergo once they get sick.

Friday morning March 2 Preconference speaker

“A Review of Queen Rearing” 8:00 – 11:00

Cory Stevens is a beekeeper that resides in rural Bloomfield, MO with his wife Jaime, and two children Jade Olivia and Camden. He is likely best known in the beekeeping community for his breeding operation which is focused on selecting for mite and disease resistant traits. Cory has served on the Missouri State Beekeepers executive board as the Southeast director. He was certified as an EAS Master Beekeeper in August of 2013 in West Chester, Pennsylvania. In July 2014 Cory was trained by Sue Cobey in the practice of instrumental insemination of honeybee queens on Whidbey Island, Washington. He currently owns and operates Stevens Bee Company which sells nucleus colonies and queens, and will soon offer instrumentally inseminated breeder queens.

Cory's class will include Handouts on Queen Rearing, one Queen Cell Frame, 20 Push-in plastic cell cups, and a grafting tool.



the US Navy and Forest Service. Charlotte is currently on a University of Missouri working group developing a certified master pollinator steward program, the first formal master pollinator steward program in the US.

Charlotte has a master's degree in management from Webster University and is a University of Missouri advanced master gardener. She currently serves as Missouri State Beekeepers Association east central director.

She lives in Rolla on a one-acre certified wildlife garden and monarch way station, and is a contributing writer to Missouri Gardener magazine and several Missouri newspapers. Charlotte will give the following presentation.

“Honeybee-Friendly Nectar Plants”

Missouri is in USDA planting hardiness zones 5-7; walk through the seasons and identify plants that excel in those hardiness zones and what gardening practices contribute to a “honeybee-friendly” garden.



Bill Allinder is a beekeeper and pollinator habitat conservationist. He is also an enthusiastic foodie and wine collector. Bill is a graduate of the Kansas City Culinary Center's Professional Culinary Arts Program, Series I and II. He also teaches honey cooking classes at the Culinary Center and he is an ANSI-CFP certified Food Protection Manager.

Bill operates East of Paradise Honey Farm northeast of Paradise, Missouri. He has converted several acres on his property to pollinator habitat. Bill's conservation habitats are planted with a carefully researched, selected and locally-sourced mix of certified native Missouri tall-grass prairie wildflowers designed to produce blooms from early spring through late autumn. Bill and his wife were the 2001 Clay County Soil & Water Conservation District Conservationists of the Year, and their pollinator habitat is certified as Monarch Watch Waystation number 15019. Bill currently serves Missouri Beekeepers Association Vice-President. Bill will give the following break-out class presentation:

“Cooking With Honey: An Introduction”

Breakout Presentations Friday afternoon & Saturday

Charlotte has been gardening since she was 2 years old if you count planting coffee beans in her mother's favorite Peruvian orchid. The daughter of a US diplomat, Charlotte grew up in South America and has traveled the world with award-winning public affairs careers in



Missouri State Beekeepers Association Spring Conference



March 2nd & 3rd, 2018
Johnson County Fairgrounds, Warrensburg, MO

SPECIAL GUEST SPEAKERS INCLUDE:



Dr. James E. Tew is the Beekeeping Specialist for the Alabama Cooperative Extension System, Auburn University and Emeritus Professor, The Ohio State University. Jim has taught classes, provided extension services, and conducted applied research on honey bees and honey bee behavior – specifically pollination behavior.



Alexandria Payne attended Texas A&M University and earned Bachelor's degrees in Bioenvironmental Sciences and Wildlife and Fisheries Sciences. She currently works in Dr. Juliana Rangel's Honey Bee Lab and is currently studying the transmission of honey bee viruses between honey bees and different species of ants.



Cory Stevens is a beekeeper that resides in rural Bloomfield, MO with his wife Jaime, and two children Jade Olivia and Camden. He is likely best known in the beekeeping community for his breeding operation which is focused on selecting for mite and disease resistant traits. He was certified as an EAS Master Beekeeper in August of 2013 in West Chester, Pennsylvania. In July 2014 Cory was trained by Sue Cobey in the practice of instrumental insemination of honeybee queens on Whidbey Island, Washington.



Charlotte Wiggins is currently on a University of Missouri working group developing a certified master pollinator steward program, the first formal master pollinator steward program in the US. Charlotte has a master's degree in management from Webster University and is a University of Missouri advanced master gardener.



Bill Allinder is a beekeeper and pollinator habitat conservationist. He is also an enthusiastic foodie and wine collector. Bill is a graduate of the Kansas City Culinary Center's Professional Culinary Arts Program, Series I and II. He also teaches honey cooking classes at the Culinary Center and he is an ANSI-CFP certified Food Protection Manager.



Register Online At:
www.mostatebeekeepers.org

Lodging Available At:

Comfort Inn, 660-429-4848 • 609 E Russell Ave, Warrensburg, MO 64093

Fairfield Inn & Suites, 660-422-3540 • 355 E Russell Ave, Warrensburg, MO 64093

Holiday Inn Express, 660-747-3000 • 626 E Russell Ave, Warrensburg, MO 64093

Missouri Beekeepers Association Executive Directors

President – Clayton Lee

Clay County
90 East Pope Lane, Smithville, MO 64089
(573) 864-5172 • leeland55@gmail.com

Vice President – Bill Allinder

Clay County
Paradise, MO
(816) 532-0046 • william.allinder@gmail.com

Treasurer – Wes Johnston

Platte County
401 NW Heady Avenue, Ferrelview, MO 64163
(816) 392-4960 • 2bees@kc.rr.com

Secretary – Dan Lake

St. Charles County
48 Sterling Pointe Drive, Saint Charles, MO 63301
(636) 724-5937 • DanoDCIwn@aol.com

Program Chair – Bruce Snavelly

Greene County
508 Casady Drive, Republic, MO 65738
(417) 423-0011 • bruceSnavelly@hotmail.com

Membership Chair – Wanda Johnston

Platte County
401 NW Heady Avenue, Ferrelview, MO 64163
(816) 392-4960 • bees@kc.rr.com

State Fair Chair – Dean Sanders

Jackson County
37804 Old Pink Hill Road, Oak Grove, MO 64075
(816) 456-4683 • deansandhoney@yahoo.com

Newsletter Editor – Eric Tietze

Laclede County
538 Mayfield, Lebanon, MO 65536
(417) 322-4711 • adsbyeric@gmail.com

Southwest Region Director – Dan Barton

Christian County
Nixa, MO
(417) 761-4177 • dannyohboy@hotmail.com

**Northeast Region Director –
Bob Brammer**

Macon County
31649 Lake Street, Macon, MO 63552
(660) 415-6480 • rbrammer@cvalley.net

**Southeast Region Director –
Gregg Hitchings**

Iron County
2187 County Road 53, Belleview, MO 63623
(573) 880-2899 • gregghitchings@gmail.com

**Northwest Region Director – Roger
Nichols**

Jackson County
8754 E 83rd Street, Raytown, MO 64138
(816) 353-1963 • sfthf@aol.com

**West Central Region Director – Ray
Shadow**

Miller County
Iberia, MO
(573) 286-5289 • shad1_65026@yahoo.com

**East Central Region Director –
Charlotte Wiggins**

Phelps County
1001 Bluebird Lane, Rolla, MO 65401
(573) 426-3510 • msbacharlotte@gmail.com

**Queen/Ambassador Chair –
Amy Giffen**

Marhsall, Mo. • amygiffen@hotmail.com

Missouri Beekeepers Association

Local Associations

1. Beekeepers Assn of the Ozarks

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

Peggy Painter, Pres., 1ptpainter@gmail.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

Loretta Klosky, llklosky@aol.com, www.beesaliveclub.org

3. 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, Pres., 573-254-3373, www.boonebees.org

4. 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

5. Cass County Bee Club

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

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

6. Dexter Bee Club

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

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

7. Eastern Missouri Beekeepers Assn

2nd Wednesday, 7 pm, Monsanto's Creve Coeur Campus, 551-573 N Warson Rd, Creve Coeur, MO 63141

Bob Sears, Pres., 314-479-9517, www.easternmobeekeepers.com

8. Fort Wood Area BEEKS

1st Sunday, 981 HWY Z, St. Robert, MO

Johnny Lozano, 573-528-4443, silverback2bc@gmail.com;

Richard Le Blanc, 573-765-2890, rl2426@aol.com

9. Gasconade Region Beekeepers

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

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

10. Golden Valley Beekeepers

2nd Monday, 7-8:30 pm, Golden Corral, Clinton MO.

Jerry Perry, Pres., 660-383-1355, jamiebperry711@yahoo.com, www.goldenvalleybeekeepers.com

11. Greenhills Bee Club

4th Monday, 7 pm, American Legion Hall, Braymer

Bud Motsinger, 816-465-0414, budandbettymot@gmail.com

12. Iberia Area Beekeepers

3rd Tuesday, 6:30 pm, Iberia Library, 304 N. St. Louis St.

Ray Shadow, 573-286-5289, trynbeez@outlook.com, www.facebook.com/trynbeez/

13. Jackson Area Beekeepers

4th Tues., 7 pm, First Presb. of Jackson, 206 E. Washington

Grant Gillard, 573-243-6568, gillard5@charter.net

14. Jefferson Co Beekeepers Assn

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

15. Joplin Area Beekeepers Assn

Last Tuesday, 6 pm, Southwest Missouri Bank Community Bldg, 4000 E. 7th St., Joplin

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

16. Lake of the Ozarks Beekeepers

3rd Sat., 1:00 pm, Square Deals Ice Cream Shop, Versailles

Garrett Blackwell, 573-374-7402

17. Mark Twain Beekeepers (Dent County)

3rd Monday, 6-8 pm, Contact for meeting locations, Salem

Jamie Homeyer, 573-247-8427, **Gregg Tivnan,** 573-689-2254, greggtivnan@yahoo.com

18. Meramec Valley Beekeepers

1st Sunday, 2 pm, Peace Lutheran Church, Sullivan

Sam Elia, 573-732-5597, samnora1@gmail.com, **Laurie Rose,** laurierose1219@yahoo.com

19. Mid Missouri Beekeepers

3rd Sunday, 2 pm, Greenstay Motel, St. James.

Don Moore, 573-265-8706, dlmoore2@centurytel.net

20. Midwestern Beekeepers Assn

3rd Sunday of the month, Bass Pro Shops, 18001 Bass Pro Dr., Independence

Phil Duncan, Pres., phildu196771@embarqmail.com, www.midwesternbeekeepers.org

21. Mississippi Valley Beekeepers Assn

Adams Co. Farm Bureau, 330 S 36th St # 2, Quincy, IL
Bernie Andrew, 217-938-4975, www.mvbees.com

22. Missouri Valley Beekeepers Assn

3rd Monday, 7 pm, Scenic Regional Library Union Branch, 308 Hawthorne Dr, Union
Calvin Brandt, Pres., cvbrandt@landolakes.com

23. North Central MO Beekeepers Assn

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

24. 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

25. Northland Beekeepers

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

26. Northwest Missouri Bee Busters

2nd Monday, Nodaway County Administration Building, 403 N Market, Maryville
beebusters2012@gmail.com, nwmobeebusters.blogspot.com

27. Parkland Beekeepers

3rd Tues., 7 pm, N College Center, Mineral Area College, Park Hills
Steve Toppings, Pres., 314-225-9453, pba_Pres@mineralarea.edu, www.parklandbeekeepersassociation.org

28. Pomme de Terre Beekeepers

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

29. Quad County Beekeepers

1st Tuesday, 7 pm, Missouri Extension Office, Troy
Eric Reid, Pres., QuadCountyBees@yahoo.com, quad-countybeekeepers.com

30. Rolla Bee Club

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

31. SEMO Honey Producers

2nd Thursday, 6:30 pm, Zion Lutheran Church, 450 N. Main St., Poplar Bluff
Ray Batton, 573-778-6475, sbatton6@gmail.com

32. Show Me Beekeepers

2nd Thurs., 6 p.m., Memorial Baptist Church, Jefferson City
Debra Maier, 573-832-3001, townpolk@gmail.com

33. Southern MO Beekeepers of Monett

3rd Tuesday, 7 pm, 1st United Methodist Church, 1600 N. Central Ave., Monett
John Schmidt, Pres., 417-830-9141

34. SW MO Beekeepers Association

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

35. St. Louis Beekeepers

4th Tuesday, 6:30 pm, Schlafly Bottleworks, 7260 SW Ave., St. Louis
contact@saintlouisbeekeepers.com, www.saintlouisbeekeepers.com

36. Swarm Chasers

2nd Thursday, 6 p.m., MO Dept. of Conservation, 701 McCarthy Dr., St. Joseph
Jason Seetin, swarmchasers@gmail.com

37. Three Rivers Beekeepers

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

38. 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

39. West Plains Bee Group

3rd Thursday, 6 pm, Howell/Oregon Electric Coop, 6327 US Hwy 63, West Plains
Carl Fry, 417-247-0708, Dan Cropper, 417-372-2602

40. Western Missouri Beekeepers

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

41. Wright County Beekeepers

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