

The Missouri State Beekeepers Association Brood



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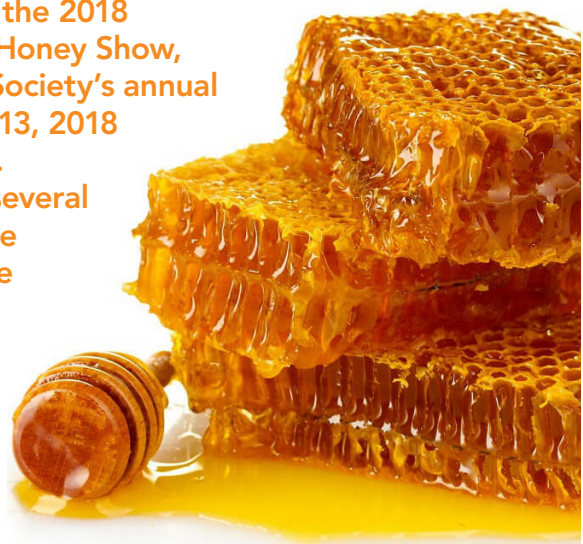
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Plan to Enter 2018 Heartland Apicultural Society Honey Show

ST. LOUIS, Mo. – Plan to enter the 2018 Heartland Apicultural Society Honey Show, part of Heartland Apicultural Society's annual conference being held July 11-13, 2018 at Washington University in St. Louis. Established in 2001 by several professional entomologists, the conference rotates through the Midwest offering beekeeping classes to make it easier for local beekeepers to attend sessions focused on the latest beekeeping methods and research.



"This is a prime opportunity to showcase your bees' abilities to produce the purest honey and the best wax, in addition to a chance to showcase your artistic and creative sides by entering our cooking and/or art/craft classes," said Tim Fredricks, chairman of the 2018 Heartland Apicultural Society honey show.

The Honey Show will showcase the best examples of honey, beeswax, cooking, and creativity. It includes eleven (11) classes: seven (7) for honey, one (1) for beeswax, two (2) art/craft classes, and one (1) for cooking.

Cost is \$5 per entry, one entry per class. Entries must be hand delivered along with submission payments. Deadline to enter is 6 p.m. Wednesday, July 11, 2018.

Special awards will be presented for 1st Place entries. If the judges determine that none of the class entries warrants a 1st Place award, none will be presented. 1st, 2nd and 3rd Place entries will receive ribbons.

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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

Cory Stevens has accepted the MSBA Vice President position! We welcome Cory back to the MSBA Executive Committee. He served three years as a Regional Director and brings some new energy to the group!

I wanted to thank Roger Nichols for saving and sharing some older MSBA newsletters!! I have been reading, scanning and posting them on our website (I had help with the posting!). They can be found at: <https://mostatebeekeepers.org/newsletters/>. In 1977, there were only five local clubs/associations in Missouri (see the March 1977 Newsletter – pages 2-3). Big changes since then as are now over forty in Missouri! I hope to finish scanning them in the next few weeks.

The 2018 MSBA Fall Conference will be held in Kirksville, MO. Almost forty years to the day since



we were there. I find the timing quite remarkable. We were on the Truman University campus in 1978 (then called Northeast University) and will be there this Fall. Our theme will be Recognizing Our Beekeepers of the Years! I will attempt to contact as many past MSBA Beekeepers of the Year as possible. We would like to give some special recognition to all the past recipients!! If you have any contact information, please let me know (see list below).

Feel free to let me (or anyone on the Executive Committee) know what you would like to see the MSBA accomplish. My email is leeland55@gmail.com. I hope your days will be filled with great times with honey bees!

Year	Name	Year	Name	Year	Name
2017	Unassigned	2006	Eugene Makovec	1991	Sharon Gibbons
2016	Erin Mullins	2005	Ted Jansen	1990	Jim Hausam
2015	Eugene Makovec	2004	Chris Gibbons	1989	Jim Thaxter
2015	Mike McMillen	2003	Don Reinkemeyer	1988	Carol Brockmann
2015	Cathy Misko	2002	Art & Vera Gelder	1987	Lewis Smith
2015	Charlotte Egger Wiggins	2001	Bill & Rose Terrill	1986	Dr. Flernoy Jones
2015	Bruce Snavelly	2000	Ian & Pam Brown	1985	Mike Roling
2014	Unassigned	1999	Neal Bergman	1984	Truman Hardin
2013	Steve Moeller	1998	John Hartman	1983	Unassigned
2012	Grant Gillard	1997	Kelly Bergman	1982	George Vanarsdall
2011	Steve Harris	1996	Roger Nichols	1981	Jay Tontz
2010	Scott Moser	1995	Ron Vivian	1980	Jim Robins
2009	Jim & Val Duever	1994	Glenn Davis	1979	Joe Maher
2008	Ken Norman	1993	Larry Hensley	1978	Carl Karlthoff
2007	Dean Sanders	1992	Mike Vanarsdall	1977	Joe Kibbey

What Has Your MSBA Ambassador Been Up To?

By: Kyle Day, 2017 Missouri State Honey Ambassador

Spring has finally seemed to arrive bring swarms, nectar flows, and sadly finals are approaching faster than I hope for as I finish my freshman year at Missouri State University. I hope everyone has a successful season this year. As many first-year beekeepers are just starting to inspect their new colonies or just now getting their packages or nucs. I know many will have a successful first year of beekeeping because of the many Missouri Clubs and Associations who have put on some top notch beginning beekeeping classes this year. A big thank you goes out to all of those who have put classes on these past couple months and who will be helping these new beekeepers throughout this next year. I know how much hard work and time goes into all these classes and events, so a big thank you goes to all of you who have helped with these events.

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H.A.S. Honey Show Entries

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The entrant with the most accumulated points across all classes will be selected as the "Grand Champion." To qualify, the entrant must have entered at least five (5) classes).

Entries will be displayed at the conference starting around noon on Thursday July 12, 2018. Presentation of awards will be made during the Brews & Bees Event at Anheuser-Busch Brewery on Thursday night July 12, 2018.

All entries will be judged according to the official score sheet. After the show, completed score sheets will be available at the front desk.

After the entries are judged, they will be added to the raffle to benefit Heartland Apicultural Society and the promotion of the beekeeping industry.

For further information, contact Tim Fredricks via e-mail at t.jacks.mo@gmail.com.

To register for the 2018 Heartland Apicultural Society's July 11-13, 2018 conference at Washington University in St. Louis, visit www.heartlandbees.org. Early registration rates are effective until June 20, 2018.

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>

Official Rules and Entry Form
2018 Heartland Apicultural Society Honey Show
July 11 - 13, 2018, St. Louis, Missouri

2018 HAS HONEY SHOW ENTRY FORM

Bring this form with appropriate fees to 2018 HAS Registration desk by 6 pm on Wednesday, July 11, 2018.

NAME _____ PHONE _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

Email _____

Please check the class you are entering and mark your entry with class code:

- ☐ **A** Light/Amber Honey
- ☐ **B** Dark Honey
- ☐ **C** Black Jar Honey
- ☐ **D** Chunk Honey
- ☐ **E** Comb Sections (Ross Rounds, Square Wooden Sections, Cassette Type)
- ☐ **F** Cut Comb Honey (in ~4x4 Plastic Cut Comb Boxes)
- ☐ **G** Creamed Honey
- ☐ **H** Beeswax Candles
- ☐ **I** Bee Art (drawing, photography, painting, etc.)
- ☐ **J** Bee Craft Item (wood, leather, yarn, fabric, mosaic, clay, etc.)
- ☐ **K** Cookies/Bars with Honey

NUMBER OF ENTRIES _____ AT \$5.00 EACH. TOTAL AMOUNT ENCLOSED \$ _____

For payments by credit card, include card number, exp. date, name of cardholder, security code, and signature.

CREDIT CARD: Amex, Visa, Discover or Mastercard

Name on card: _____

Card number: _____

Expiration (MO/YEAR): ____ / ____ Verification Code: _____

Signature _____

All entries will be judged and then put in the raffle, with the proceeds going to Heartland Apicultural Society.

**Your entry must be delivered 2018 HAS Conference Registration desk by 6 pm on Wednesday,
July 11, 2018.**

For Complete Rules, Contact Tim Fredricks via e-mail at t.jacks.mo@gmail.com

MSBA Ambassador Updates

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Since the last newsletter I have attended two events. The first event was a monthly beekeeping meeting of the Southern Missouri Beekeepers of Monett where I presented "On The Spot Queen Rearing." While at this event I was able to talk to many different beekeepers from all ages. One of these conversations is one I will remember for the rest of my life. At the end of my presentation I had the pictures of "famous" past beekeepers who have made an impact on the beekeeping industry. One of these beekeepers was Walter T. Kelley, after the meeting an older gentleman who no longer keeps bees came up to me and thanked me for the presentation and for the pictures that made him think of memories of meeting Walter T. Kelly and told me stories of when he was keeping one hundred plus hives. I was so mesmerized by his stories. It was great to hear about successful Missouri Beekeepers and hearing their stories is not only a motivation for me to expand my operation but also to continue educating the public and to help new beekeepers get started, because you never know how big of an impact it could have.

I also had the opportunity to teach at MSU during the Sustainability Student Summit. Each year MSU has a Public Affairs Mission, this year's theme was 'Sustainability' and was put on by professors of the College

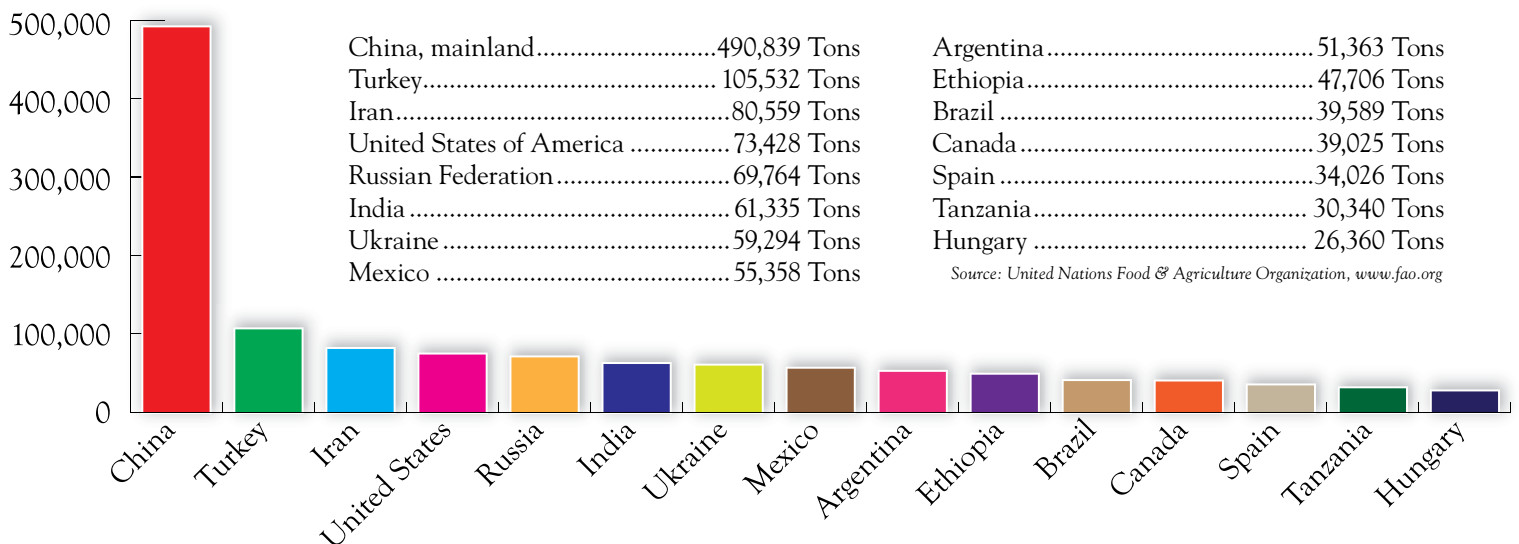
of Agriculture. During this presentation I was able to speak to students, professors, and some members of the public about basic beekeeping equipment, how to get involved in beekeeping, and how a sustainable beekeeping industry is important to a sustainable future. This event really gained the MSBA recognition at the collegiate level.

On May 24th I will be doing a presentation in my hometown at the Ray County Library for their adult education program about basic beekeeping and how to get involved in beekeeping in Missouri. Next month I will be at the Powell Gardens Pollinator Festival on June 23rd working with Mrs. Cathy Misko of the Heartland Beekeeping Partnership. We will be running a beekeeping booth showing the public different tools and equipment and sharing basic beekeeping knowledge with the potential of three thousand people throughout the day. On June 26th I will again be at the Ray County library but this time doing a children's program. It will be an hour of teaching children the importance of bees, playing pollinator games, and making bee related crafts.

While my year as the Missouri Honey Ambassador seem to be flying by quickly, there is still time to book me to attend events or present at any of your group events in the upcoming months. If you're interested or would like more information about the Ambassador program contact Amy Giffen at amygiffen@hotmail.com.

Top Natural Honey Production

By Country, In Tons, 2016



Missouri
State
Beekeepers
Association

Fall Conference



October 19th & 20th, 2018
Truman State University Campus, Kirksville, Mo.

SPECIAL GUEST SPEAKERS INCLUDE:



JERRY HAYES is the Honey Bee Health lead for Monsanto's newly formed BioDirect business unit. Before joining Monsanto he was the Chief of the Apiary Section for the Florida Department of Agriculture and Consumer Services. In the role he was responsible for the regulatory health of the 350,000 colonies in the State of Florida, a State highly dependent on Honey Bee pollination for agricultural success. For the past 30 years Jerry has written a monthly column in the American Bee Journal called The Classroom and a book by the same name. Jerry is a founding member of the Colony Collapse Working Group, a science advisory board member for Project Apis mellifera (PAm), the Bee Informed Partnership, and he serves on the Steering Committee of the Honey Bee Health Coalition. He has been author and co-author on multiple research papers that delve into how to understand and preserve honey bee health. In Jerry's 35 plus years in the Apiculture Industry his overarching desire has been to create sustainable honey bee management practices while partnering with other segments of agriculture. The cornerstone of his career has been to educate others that honey bees are the key pollinators and the critical role they play in agriculture; while in parallel encouraging the development of multi dimensional landscapes for the benefit of honey bees and all pollinators.



JUDY WU-SMART received her BS in Zoology at Humboldt State University, Arcata, California. She received her MS in Entomology at Washington State University under the advisement of Drs. Walter Sheppard and Carol Anelli. Her MS research examined the effects of pesticide residue accumulation in brood comb on honey bee health. She continued onto a PhD program with Dr. Marla Spivak at the University of Minnesota where she examined the effects of systemic neonicotinoid insecticides on honey bee and bumble bee queens and colony development. She's now an Assistant Professor and Extension Specialist at the University of Nebraska-Lincoln. In her role at UNL, Judy is developing a pollinator health program to help understand the underlying stressors in bee health and their interactions with environmental toxicants. Her goal is to integrate her research and extension efforts with policy to inform the regulatory-decision making process by identifying risk mitigation opportunities and best management practices that will better protect beneficial pollinators in agricultural and urban landscapes.



DR. JULIANA RANGEL is an Assistant Professor of Apiculture with the Texas A&M Department of Entomology and is a member of the Texas A&M Honey Bee Lab.



Register Online At:
www.mostatebeekeepers.org

Watch Our Website
For More Information
As The Conference Approaches

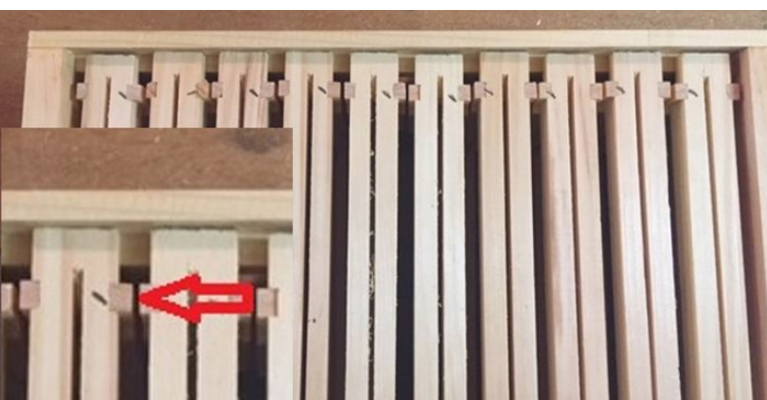
Breaking a Thirty-Year-Old Bad Habit Reduced Frustration in My Bee Yard!

By: Gregg Hitchings, MSBA Southeast Region Director

All of us want to encourage our bees to draw straight brood combs in the hive. In a standard Langstroth hive the end bars measure 1 3/8" wide. In a 10 frame hive, if all the frames are pushed together with each end bar touching the next, this leaves roughly 1 1/8" gap on one side of the box. It looks like this:



Of course, none of us would put this woodenware spaced this way on the hive. We would equalize the space better, right? Well, decades ago I discovered all by myself, my forefingers and thumbs were perfect for grasping a top bar and pushing it against the next frame. When these digit tips were held in the correct manner they were pretty good spacers to use to get all ten frames equally distributed across the box. I was particularly proud to develop this method as it was almost a sure thing my forefingers and thumbs wouldn't be left behind when I was headed to my hives, unlike things like hive tools and bee brushes. It was so convenient and resulted in evenly spaced frames with an almost equal space between the end bars, like this:



Leave it to Randy Oliver to burst my bubble.

Randy was MSBA's keynote speaker at one of our 2016 state conferences. During his presentation he touched on a technique he uses when closing his hives after inspections. At a break I quizzed him further about his habit of pushing the frames together and then equalizing the space on each side next to the wall of the box, using his hive tool. Done this way there is about a 9/16" gap on each side between the end bar edge and the wall of the brood chamber wall. It looks like this:



Why is this a superior method to "finger spacing"? Propolis, pure and simple. Bees address small gaps by plugging them with their natural antiseptic bee glue. This trait has served them well for eons. Beekeepers however don't always appreciate it. When a gap exists between the edge of end bars of frames the bees will fill that gap with propolis, effectively gluing the frames together. With regular removal of these frames for inspections the propolis tends to get thicker and thicker and messier and messier...the frames gradually get farther apart due to the buildup of propolis on the end bar edges. The beekeeper often finds himself in a situation where he is prying the first frame straight up when opening (maybe this is why the J-tool was invented) and when finishing, pushing the last frame straight down into position as the built-up

Reducing Frustration with Proper Spacing

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propolis on the end bars gives way to the force. I've fought this problem for thirty years without recognizing the simple fix.

In 2017 I made a concerted effort to change my ways. During my first inspections it was time consuming to scrape the existing propolis off the edges of each end bar so the frames would touch, wood to wood. After a few months of using Randy's tip, the benefits were obvious. Yes, the bees still tended to put a little glue on the seam which existed between the end bars but this was easily defeated with an easy sideways pry of the hive tool between the ends of the top bar. It's nice having a little gap, an extra bit of space between the end frames and the wall of the brood box. Now I can always start with prying either #1 frame or #10 frame slightly sideways into this gap and removing it, gaining more room to work with the

others. I've not experienced a problem with bees building burr comb on the walls when the frames are squeezed together in this technique.

Randy Oliver is a gifted speaker and educator. Many of you reading this may have attended the same conference and heard his presentations. Like me, you may have taken home some good solid knowledge which improved your skills as a beekeeper. A commercial beekeeper with a biology background, Randy Oliver's most valuable contribution may be the niche he's found as liaison between the beekeeping community and bee academics and researchers. Last fall the executive committee of MSBA voted to support Randy's work with a recurring contribution. Check out Randy Oliver's activities at scientificbeekeeping.com

The Trials of Making Increase, Part 1

By Ray Shadow, West Central Region Director

Beekeeping is a hobby for me, sometimes a rather expensive hobby but as long as I keep calling it that I do not have to try too hard to break even on the finances. In an attempt to get closer to breaking even next year, I am going to try and increase my hive count this year from 8 hives to 30. For most hardcore experienced beekeepers this would probably not be a big deal but since I have never tried most of the things I plan on using to grow with this year, I thought it might be interesting to try and document the ups and downs. You can offer advice, provide comments or just follow along with all of my mistakes by visiting trynbeez.wordpress.com

As already stated I am starting with 8 hives, 5 of which are fairly strong and the other 3 are just ok. To make it even more interesting I have decided to have all of my new hives be mediums instead of deeps so I am starting this endeavor with no drawn comb. As of now my plans are to try the OTS method, talked about in Grant Gillard's book "Innovative Beekeeping", to both reduce swarming and get at least one split from each hive. Additionally, I am taking a queen rearing class with Cory Stevens coming up soon so I hope to try grafting for the first time. If I can have even a little success with this I should be able to meet my goal and maybe be able to help my club out if queens are needed.

I would love to hear your comments or suggestions at the website mentioned above on how you have grown or changed your operations over the years and why you made those decisions. Also, what would you have done differently if you were starting over.

Check back next newsletter and see what progress is being made.

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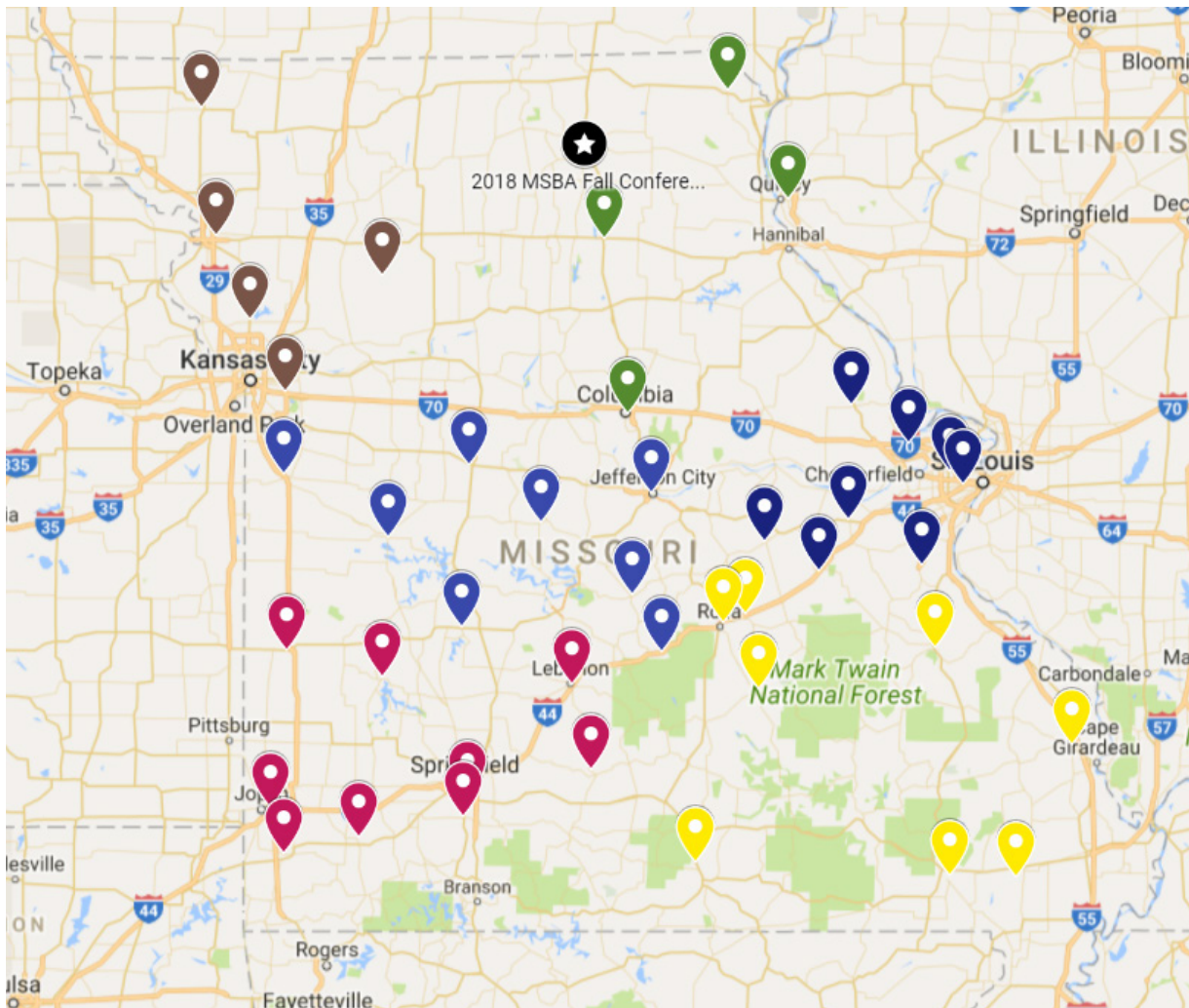
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Looking for a Local Club?



If you're a new beekeeper a local club will be invaluable to you.
If you're a seasoned veteran you'll be invaluable to a local club.

Find Your Local Club By Visiting
mostatebeekeepers.org/local-clubs