

MSBA 2018 SPRING CONFERENCE

March 2-3

Johnson County Fairgrounds
386 NW 145 Rd, Warrensburg MO

Friday, March 2

Pre-Conference Registration 7:15 a.m. – 8:00 a.m.

8:00 a.m. - 11:00 a.m. **Queen Review Class**, Cory Stevens

Registration (continued) 11:30 a.m. – 12:30 p.m.

11:30 a.m. – 12:00 Noon Lunch (optional) at Fairgrounds
\$10 each includes Must be registered by Feb 26

11:30 a.m. Vendor Booths Open

12:30 p.m. **Welcome, Clayton Lee, MSBA President**

12:40 p.m. – 1:40 p.m. **Dr. James E. Tew**
The Foulbroods – still out there killing bees

Break

1:50 p.m. – 2:50 p.m. **Alexandria Payne**
Who got me sick? Transmission routes of honey bee viruses

2:50 p.m. – 3:20 p.m. **Break, Vendor Booths Open**

3:25 p.m. – 4:25 p.m. **Dr. James Tew**
The frustrating truth about modern queen management

5:30 p.m. -6:30 p.m. **Evening Meal (optional)**

Saturday, March 3

8:00 a.m. **Vendor Booths Open**

8:30 a.m. – 9:30 a.m. **Dr. James Tew**
Winning and losing at swarm control and management

Break

9:40 a.m. – 10:40 a.m. **Alexandria Payne**
What happens when a bee gets sick?

10:45 a.m. – 11:30 a.m. **Break, Vendor Booths Open**

11:30 a.m. – 12:30 Noon Lunch by Sodexo Catering: Lasagna
Buffett, Beef & Veg Options, Caesar Salad, Bread Sticks, Brownie,
Beverage

1:00 p.m. –2:00 p.m. **Dr James Tew**
Beeswax is underappreciated – Why?

Breakout Classes 2:15 p.m. – 3:15 p.m. (choose one)

Breakout Option A **Charlotte Wiggins**
“Honeybee-Friendly Nectar Plants”

Breakout Option B **Ray Shadow**
“Building and maintaining a Club website for little or no money”

Breakout Option C **Bill Allinder**
"Cooking With Honey: An Introduction"

3:20 p.m. -3:30 pm **Closing, Clayton Lee, MSBA President**

2018 MSBA SPRING CONFERENCE

Friday afternoon March 2 - 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:

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.

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.

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.

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:

Who got me sick? Transmission routes of honey bee viruses

This lecture will briefly touch on the most prevalent viruses observed to negatively affect honey bee health according to recent literature. The bulk of this talk will focus on the different transmission pathways that viruses can utilize to infect honey bees. This will include both horizontal and vertical transmission pathways within a hive in addition to transmission pathways that can occur between foragers and other species outside of hives. It will also be mentioned what environmental factors and beekeeping practices can cause virus levels within a hive to rise.

What happens when a bee gets sick? (Alexandria Payne)

So your bees have come into contact with some type of pathogen, and they are feeling a bit under the weather. How do insects (honey bees specifically) fight against disease? This lecture will look at how honey bees defend against disease at both a social and individual level. This lecture will also look at the effect of disease on a honey bee's behavior and body in regards to physiology, nutrition, etc.

Friday morning March 2
Pre-Conference 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 Pre-Conference class will include Handouts on Queen Rearing, one Queen Cell Frame, 20 Push-in plastic cell cups, and a grafting tool. \$35 Fee; Pre-Registration required.

Missouri Breakout Presentations
Saturday Afternoon March 3



Charlotte Wiggins has been gardening since she was 2 years old if you count planting coffee beans in her mother's favorite Peruvian orchid. Charlotte is a University of Missouri advanced master gardener and is part of a University of Missouri working group developing a certified master pollinator steward program.

She currently serves as Missouri State Beekeepers Association east central director and is a contributing writer to Missouri Gardener magazine and several newspapers.

She lives in Rolla on a one-acre certified wildlife garden and monarch way station. Charlotte will give the following break-out class 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"

Bill will teach an introduction to the use of honey in food recipes, including the basic chemistry of honey and the four major purposes for incorporating honey in recipes. He will share information about the best resources for honey recipes and several of his favorite recipes. He will also provide basic instruction in conducting blind honey tastings. Bill will also bring home-made Baklava.



Ray Shadow is a retired Naval Electronics Technician Chief with approximately 22 years of service on active duty and reserves. He currently holds a Masters of Information Technology Management, Certified Information Systems Security Professional (CISSP) certification, Project Management Professional (PMP) certification and various ITIL and Microsoft certifications. His full time job is a systems analyst for the Department of Veterans Affairs and

he is an Adjunct Professor for Columbia College. He has kept Bees as a hobbyist for 10 years and started the Iberia Area beekeepers 3 years ago. Ray will give the following break-out class presentation:

"Building and maintaining a Club website for little or no money"

We will discuss and demonstrate building and maintaining a bee club website for little or no money. Other topics covered will be general computer security, blogging, YouTube, and Facebook sites.

SAVE THE DATE!

MSBA Fall Conference 2018, October 19 – 20

Speakers: Jerry Hayes, Dr Juliana Rangel, Dr Judy wu-Smart

Would You Like to Join or Renew Your MSBA membership?

MSBA Membership is \$10 annually per individual. You will get a reminder email the month before your membership is due to expire. 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.

Batch memberships from local clubs are welcome; provide the information on a typewritten list and either a check from the local club's treasurer or secretary.

Wanda Johnston MSBA Membership [401 NW Heady Avenue Ferrelview, MO 64163](mailto:bees@kc.rr.com) mail to: bees@kc.rr.com

Speakers Confirmed for Heartland Apiculture Society's July 11-13, 2018 Missouri Conference at Washington University in St. Louis

ST. LOUIS – Five speakers have been confirmed for Heartland Apicultural Society's (HAS) annual conference to be held July 11-13, 2018 at Washington University in St. Louis, Missouri.

- Dr. Marla Spivak, a MacArthur Fellow at University of Minnesota's Bee Lab;
- University of Minnesota Bee Squad, an instructional public outreach program;
- Dr. Keith Delaplane, University of Georgia Honey Bee Program director;
- Jennifer Berry, University of Georgia Honey Bee program lab manager.
- Dr. Dennis van Engelsdorp, University of Maryland Honeybee Lab, who directs the Bee Informed Partnership, the Tech Transfer Program and the annual national beekeeping management surveys, and
- Samuel Ramsey, University of Maryland PhD candidate and researcher. More details at [www.heartlandbees dot org](http://www.heartlandbees.org).