

Heartland Apicultural Society

Monday, July 8, 2019

7:30 am Vendor Area Opens

8:30 am Conference Opens: Welcome & Opening Comments -- John Benham HAS President

8:45 - 9:30 Plenary Session -- Downing Student Center Auditorium
 Dr. Juliana Rangel Posada, Texas A&M University
 The Effects of Agricultural Pesticides On the Reproductive Quality of Honey Bee Queens and Drones

9:30 - 10:00 BREAK

	Downing Student Union Classroom 3005 cap. 110	Downing Student Union Room 3007 cap. 100	Downing Student Union Classroom 3020 cap. 130	Downing Student Union Classroom 3023 cap.110	Downing Student Union Classroom 3024 cap. 140	Downing Student Union Queen Lab Classroom 2124 cap. 72	Downing Student Union— Queen Rearing Lab Classroom 2123 cap. 72	Queen Rearing Apiary	Apiary 1	Apiary 2
10:00 - 10:50	Selecting for Behavioral Resistance to Varroa Destructor <u>Krispn Given</u>	Collecting Pollen <u>Harris Overholt</u>	Mite Reproductive Biology <u>Dr. Zach Huang</u>	Processing Honey a Closer Look <u>Bob Binnie</u>	Honey Bee Parasites the Good, Bad and the Ugly <u>Dr. Geoff Williams</u>	Nosema and Tracheal Mites, Do We Need to be Concerned? <u>Dr. Tom Webster & Dr. Hongmei Li-Byarlay</u>	Queen Rearing Methods Pre-Registration Required <u>Michael Wilson and Greg Hunt</u>		Three Step Process to Control Varroa Mites <u>Mike Seib</u>	Hive Inspections <u>Mike Studer</u>
11:00 - 11:50	Women in Beekeeping <u>Dr. Tammy Horn Potter</u>	Second Year Beekeeping <u>John Benham</u>	Key Factors in Taking Advantage of Nectar and Honey flows <u>Dr. Clarence Collison</u>	Pheromone Affects in The Hive <u>Randy Rolan</u>	Honey Bee Behavior During the 2017 Eclipse <u>Jennifer Tsuruda</u>	Dissection Lab: Tracheal Mites & Nosema <u>Dr. Tom Webster & Dr. Hongmei Li-Byarlay</u>	Queen Rearing Methods (cont'd) Pre-Registration Required <u>Michael Wilson, Greg Hunt, Krispn Given</u>		Double Screens <u>Joel White</u>	Making Nucs and Splits <u>Kent Williams</u>

12:00 - 1:00 LUNCH BREAK

1:15 - 2:00 Plenary Session -- Downing Student Center Auditorium
 Geoff Williams, PhD, Auburn University:
 Bees and BMPs (Best Management Practices)

2:10 - 3:00	Wintering Honey Bee Colonies: We're still learning how to help <u>Dr. Jim Tew</u>	Building A Honey House <u>Charlie Parton</u>	Experiences of a Commercial Beekeeper <u>Bob Binnie</u>	10 Mistakes All Beekeepers Make <u>Randy Rolan</u>	Behavioral Ecology of Swarming <u>Dr. Juliana Rangel Posada</u>	Beeswax Rendering <u>Debbie Seib</u>	Make Mead Like a Viking <u>Jereme Zimmerman</u>	Preparing Cell Starter Colonies <u>Mike Wilson, Dr. Greg Hunt & Krispn Given</u>	Oxalic Acid Demo <u>Mike Seib</u>	Foul Brood Disease and Diagnostic Kit Demo <u>Mike Studer TN Apiarist</u>
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3:00 - 3:30 BREAK

3:40 - 4:30	Marketing and Having a Web Presence <u>Barry Richards</u>	Pollen Collection <u>Harris Overholt</u>	How Transportation and Relocation Affect Your bees <u>Dr. Zach Huang</u>	The Importance of Quality Queens <u>Dr. Clarence Collison</u>	Creating a Pollinator Paradise <u>Dr. Jennifer Tsuruda</u>	Making Beeswax products <u>Debbie Seib</u>	Make Mead Like a Viking <u>Jereme Zimmerman</u>	Preparing Cell Starter Colonies <u>Mike Wilson, Krispn Given & Dr. Greg Hunt</u>	Double Screens <u>Joel White</u>	Moving Bees: For The Hobbyist Beekeeper <u>Larry Stone</u>
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6:30 pm FREE Ice Cream Social, Downing Student Union

Heartland Apicultural Society

Tuesday, July 9, 2019

7:30 am Vendor Area Opens
8:30 am Tuesday Opening Comments -- John Benham HAS President

8:45 - 9:30 Plenary Session -- Downing Student Center Auditorium
Dr. Jennifer Tsuruda University of Tennessee
Protecting our Pollinators

9:30 -10:00 BREAK

	Downing Student Union Classroom 3005 cap. 110	Downing Student Union Room 3007 cap. 100	Downing Student Union Classroom 3020 cap. 130	Downing Student Union Classroom 3023 cap.110	Downing Student Union Classroom 3024 cap. 140	Downing Student Union Queen Lab Classroom 2124 cap. 72	Downing Student Union— Queen Rearing Lab Classroom 2123 cap. 72	Queen Rearing Apiary	Apiary 1	Apiary 2
10:00 - 10:50	Selecting for Behavioral Resistance to Varroa Destructor <u>Krispn Given</u>	Mite Reproductive Biology <u>Dr. Zach Huang</u>	Honey Bee Health Coalition <u>Jerry Hayes</u>	Nectar Plants <u>Jim Garrison</u>	Beekeeping in Urban and Agriculture Areas in the Midwest: Risks and Benefits <u>Dr. Reed Johnson</u>	Nosema and Tracheal Mites, Are They a Problem? <u>Dr. Tom Webster and Dr. Hongmei Li-Byarlay</u>	Drone and Queen Biology <u>Greg Hunt and Michael Wilson</u>		Taking Mite Counts <u>Dr. Tammy Horn Potter</u>	Making Nucs and Splits <u>Kent Williams</u>
11:00 - 11:50	Processing Honey a Closer Look <u>Bob Binnie</u>	Pheromone Affects in The Hive <u>Randy Rolan</u>	Honey bee parasites: The Good, the Bad, and the Ugly <u>Dr. Geoff Williams</u>	Swarms and Swarm Control Bee Prepared to Lose <u>Dr. Jim Tew</u>	Biology of Mating <u>Dr. Juliana Rangel Posada</u>	Dissection Lab: Tracheal Mites & Nosema <u>Dr. Tom Webster and Dr. Hongmei Li-Byarlay</u>	Drone and Queen Biology (Continued) <u>Greg Hunt, Michael Wilson and Krispn Given</u>		Moving Bees: For the Hobbyist Beekeeper <u>Larry Stone</u>	Three Step Process to Control Varroa Mites <u>Mike Seib</u>

12:00 - 1:00 LUNCH BREAK

1:15 - 2:00 Plenary Session -- Downing Student Center Auditorium
Dr. Reed Johnson, PhD, Ohio St. University
Pesticides and Poisons In The Hive: An Overview of Bee Toxicology

2:10 - 3:00	Women in Beekeeping <u>Dr. Tammy Horn Potter</u>	Second Year Beekeeping <u>John Benham</u>	Honeybee Nutrition <u>Jerry Hayes</u>	Creating a Pollinator Paradise <u>Dr. Jennifer Tsuruda</u>	Bee Disease Diagnostics-- <u>Dr. Jay Evans</u>	Making Beeswax Candles <u>Jim Garrison</u>	Grafting <u>Krispn Given, Michael Wilson and Greg Hunt</u>	Remove Frames to Be Grafted	Oxalic Acid Demo. <u>Mike Seib</u>	Foulbrood Disease and Diagnostic Kit Demo. <u>Mike Studer TN Apiarist</u>
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3:00 - 3:30 BREAK

3:40 - 4:30	Importance of Quality Queens <u>Dr. Clarence Collison</u>	How Transportation and Relocation Affect Your Bees <u>Dr. Zach Huang</u>	Experiences of a Commercial Beekeeper <u>Bob Binnie</u>	Treatment Free Beekeeping <u>John Gunter</u>	Wintering Honey Bee Colonies-- We're Still Learning How to Help <u>Dr. Jim Tew</u>	Making Beeswax Candles <u>Jim Garrison</u>	Continue Grafting <u>Krispn Given, Michael Wilson and Greg Hunt</u>	Place Grafts in Cell Starters	Techniques for Finding The Queen <u>Larry Stone</u>	Queen Rearing for The Backyard Beekeeper <u>Kent Williams</u>
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6:30 pm BBQ dinner with live bluegrass music at Downing Student Union. \$15/person. Sliced brisket & chicken plus sides!

Heartland Apicultural Society

Wednesday, July 10, 2019

7:30 am Vendor Area Opens
 8:30 am Wednesday Opening Comments -- John Benham HAS President

8:45 - 9:30 Plenary Session -- Downing Student Center Auditorium
 Dr. Jay Evans PhD USDA Lab
 Searching For A Cure For Bee Disease

9:30 -10:00 BREAK

	Downing Student Union Classroom 3005 cap. 110	Downing Student Union Room 3007 cap. 100	Downing Student Union Classroom 3020 cap. 130	Downing Student Union Classroom 3023 cap.110	Downing Student Union Classroom 3024 cap. 140	Downing Student Union Queen Lab Classroom 2124 cap. 72	Downing Student Union—Queen Rearing Lab Classroom 2123 cap. 72	Queen Rearing Apiary	Apiary 1	Apiary 2
10:00 - 10:50	Key factors in Taking Advantage of Nectar/Honey Flows <u>Dr. Clarence Collison</u>	Building a Honey House <u>Charlie Parton</u>	Honey Bee Nutrition <u>Jerry Hayes</u>	Nectar Plants <u>Jim Garrison</u>	Beekeeping in Urban and Agriculture Areas in the Midwest: Risks and Benefits <u>Dr. Reed Johnson</u>	Rendering Beeswax <u>Debbie Seib</u>	Honey Extraction and Bottling For Beginners <u>Joe Taylor</u>	Check Cells For Acceptance <u>Queen Rearing Crew</u>	Taking Mite Counts <u>Dr. Tammy Horn Potter</u>	Queen Rearing for The Backyard Beekeeper <u>Kent Williams</u>
11:00 - 11:50	Marketing Your Honey and Having a Web Presence <u>Barry Richards</u>	Treatment Free Beekeeping <u>John Gunter</u>	Creating a Pollinator Paradise <u>Jennifer Tsuruda</u>	10 Mistakes all Beekeepers make <u>Randy Rolen</u>	Bee Disease Diagnostics <u>Dr. Jay Evans</u>	Beeswax Products <u>Debbie Seib</u>	Honey Extraction and Bottling For Beginners <u>Joe Taylor</u>	Check Cells For Acceptance <u>Queen Rearing Crew</u>	Hive Inspections <u>Mike Studer TN Apiarist</u>	Techniques for Finding The Queen <u>Larry Stone</u>

12:00 - 1:00 LUNCH BREAK

1:15 - 2:00 Plenary Session -- Downing Student Center Auditorium
 Jerry Hayes
 Confirmation Bias

2:00 - 3:30 Closing Remarks, Raffle Drawing