

Missouri State Beekeepers Association
P.O. Box 448 Oak Grove, MO 64075

www.mostatebeekeepers.org

August 2010

Eugene V. Makovec
Editor
editor@mostatebeekeepers.org

Mentha longifolia (horse mint) is a very variable herbaceous perennial plant with a peppermint-scented aroma. Like many mints, it has a creeping rhizome, with erect to creeping stems 40–120 cm tall. The leaves are oblong-elliptical to lanceolate, 5–10 cm long and 1.5–3 cm broad, thinly to densely tomentose, green to greyish-green above and white below. The flowers are 3–5 mm long, lilac, purplish, or white, produced in dense clusters (verticillasters) on tall, branched, tapering spikes; flowering in mid to late summer. It spreads via rhizomes to form clonal colonies. -- Wikipedia

Eugene Makovec

Register
now for our Fall
Meeting in Cape Girardeau!
Details on pages 4-5.

Preliminary Results:

Honeybee colony losses in the United States, winter 2009-2010

Posted: April 22, 2010; Dennis vanEngelsdorp¹, Jerry Hayes², Dewey Caron³, and Jeff Pettis⁴.

Note: This is a preliminary analysis, and a more detailed final report is being prepared for publication at a later date.

The Apiary Inspectors of America (AIA) and USDA-ARS Beltsville Honey Bee Lab conducted a survey to estimate winter colony losses for 2009/2010. Over 22.4% of the country's estimated 2.46 million colonies were surveyed.

A total loss of 33.8% of managed honey bee colonies was recorded. This compares to total losses of 29%, 35.8% and 31.8% recorded respectively in the winters of 2008/2009, 2007/2008 and 2006/2007.

In all, 4,207 beekeepers responded to the on-line survey and an additional 24 were contacted by phone. This response rate is orders of magnitude greater than previous years' efforts, which relied on phone or email responses only (2008/2009 n=778, 2007/2008 n=331,

2006/2007 n=384).

On average, responding beekeepers lost 42.2% of their operation, an eight point or 23% increase from the average operational loss experienced by beekeepers in the winter of 2008/2009.

Average losses were nearly three times greater than the losses beekeepers reported that they considered acceptable (14.4%). Sixty-one percent of beekeepers reported losses in excess of what they would consider acceptable.

Colony Collapse Disorder (CCD) is characterized, in part, by the complete absence of bees in dead colonies and apiaries. This

continued on page 4



Don't forget the fair! Enter your beekeeping products, and volunteer in our MSBA booth. See page 3 for details.

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From the President

by Scott Moser

Well, it looks like we are once again in the middle of another sweltering Missouri summer. Temperatures around here have hovered in the mid 90s, with humidity nearly as high! Some parts of the state have benefitted, maybe too much in some cases, from rounds of rain and storms. Here in Jefferson County it seems like the rain has gone around us every time. The flowers dried up some time ago, and the Dutch clover burned up from the heat. The honey flow around here was a bit short, but I have heard others from different parts of the state say their bees brought in a bumper crop of honey.

I know the honey flow has dried up around here, because I am getting more and more calls about bees in hummingbird feeders. If you get calls from such bird lovers, tell them to look for hummingbird feeders that have a valve in them designed so that the hummingbird can get the feed, but not the bees. Last year, I found them at Orscheln, but I am sure other stores carry them as well.

Pam Brown, our program chair, has been busy setting up the upcoming general meetings. Our Spring 2011 meeting in Branson has come together, and she is diligently working on Fall 2011. I want to especially invite the members from the southwest part of the state to attend the Branson meeting so that we can learn from you about keeping bees in that area. Thanks to Grant Gillard for finalizing all the plans for the Fall 2010 meeting. Information for that meeting will be posted on the MSBA website. It looks like it

will be a great meeting in Cape. Hope to see a record turnout at both those meetings.

Recently, we held our Executive Board meeting in Jefferson City. Several new and exciting ideas came out of that meeting. One of the ideas that I am excited about is the Beekeeping Photography Competition that we will be holding. What a great chance to combine two things in such a positive way. Winning photos will be used to create a yearly MSBA calendar that members can purchase. What a wonderful way to highlight the talent of the MSBA beekeepers.

It is fair time once again. This year's Missouri State Fair will run from

August 12-22 in Sedalia. The MSBA is looking for volunteers to help with the booth once again. You can sign up as an individual, or your local can come up and take a day in which you can focus on your club. What a great way for your club to get information out to the public! So often, such contact leads to more members and increased honey sales in your area. It is amazing how many beekeepers I run into that say, "I didn't know there was a club there!" Besides, it is a fun time meeting the people who come to visit the booth. Just ask Steve Harris! Steve helped out last year one day for the first time, and this year he arranged to take vacation so he can be there each day.

If you are interested in helping us out, contact Dean Sanders at 816-456-4683. I also want to take an opportunity to invite all members and local associations to participate in the Missouri State Fair Honey competition this year. In addition to the State Fair prizes, the MSBA will match the winnings to individual MSBA members, something new that we are implementing this year. Thanks to Dean Sanders and Steve Harris for helping us get the booth manned and organized this year.

Finally, you can now find the MSBA on Facebook. There is a link on the first page of the website that will take you right to us. Be sure to join the group. You can post pictures, links, join discussions, or post anything bee related. Facebook isn't just for the kids anymore. It is a wonderful way to stay connected to beekeepers around the state. Happy beekeeping!



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It's not too late to meet us at the fair, August 12-22 in Sedalia

There's still time to pack your honey entries, and your bags, and join Chairman Dean Sanders at the Missouri State Fair.

With the theme "Growing Great Memories", the fair will again showcase the best of Missouri agriculture; competitions; professional entertainment from Sheryl Crow to the Gatlin Brothers; rural lifestyle experiences; hands-on science, technology and innovation; family-friendly amenities for infants to mature adults; and action-packed activities.

The Missouri State Fair is the perfect blend of activities for a memorable family outing. The midway carnival includes games and rides for children and thrill seekers of all ages. The nightlife on the fairgrounds kicks up each evening with free music on the Budweiser Stage and music stars performing on the stage of the Pepsi Grandstand.

Admission at the gate: \$8; age 60+, \$6; ages 6-12, \$2, younger than 6, free. Tickets can be purchased in advance for a discount. See www.mostatefair.com for schedules and details.

Entering your products in competition:

Beekeepers can also enter the fruits of their labor in competition. Categories include everything from extracted and comb honey to beeswax and even observation hives. For a list of categories, visit <http://www.mostatefair.com/Premium-Guide.php>. Click on "Agriculture, Fine Arts & Economics", then download the "Agriculture Entry Blank", as well as the "Agriculture Rules &

Classes" PDF, with "Bee Culture" on page 2. *Be sure to supply your Social Security number on the entry form in order to be paid for any winnings.*

The MSBA will also match prize money won by members in these competitions.

In addition to individual entries, local clubs will again compete against each other. Last year's club winner was Eastern MO Beekeepers, while Midwestern member Lowell Hutchison took the Individual Grand Champion award.

Booth workers needed

As always, our Honey Booth cannot operate without the generous help of MSBA members. Dean Sanders, our Fair Chairman, is recruiting volunteers now. It's a great excuse to spend a couple of days in Sedalia taking in all that this wonderful state has to offer.

Last year, in addition to individual volunteers, several local associations sent groups to Sedalia to help out. We would like to see that kind of effort again this year; in fact, our success depends on it.

The Fair is one of our most important opportunities to let the public know we're here to educate and promote beekeeping and all the wonderful products and services honeybees and their keepers provide. Weather permitting, it can also be an important fundraiser for our group.

Please call Dean at 816-456-4683 to volunteer your time.

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2010 Fall Meeting: Join us in Cape Girardeau October 22-23

... and make 2011 your best year ever!

Make plans now to attend our annual Fall Meeting on October 22-23. It will take place in Cape Girardeau at the Plaza Convention Center.

The slogan for this year's meeting is: **Making 2011 your best year ever!** There is no shortage of challenges facing beekeepers today, from varroa and hive beetles to pesticides and whatever this CCD thing is all about. Continuing education and communication with other beekeepers are among the keys to success.

Featured speakers include David Burns of Long Lane Honey Bee Farms in Illinois (www.honeybeesonline.com), and Michael Palmer, past president of the Vermont Beekeepers Association. We'll have some other local/state people involved; anyone



Michael Palmer

who has something they'd like to share should please contact Vice President Grant Gillard, whose contact information appears on page 13.

Adjacent hotels giving group rate/discounted rooms are the Holiday Inn Express (\$99.00): <http://www.hiexpress.com/capegirardeau> 573-334-4491 or 800-645-3379; and the Victorian Inn (\$79.00): <http://www.midamcorp.com/victorianinn/> 573-651-4486 or 800-331-0445. The group rates are available to those who register under "MO State Beekeepers".

Vermont Beekeeper **Michael Palmer** and his wife Leslie started with two hives in 1974, and currently run 750. Michael has developed an apiary management system with an emphasis on sustainability, which he practices through queen-rearing and the overwintering of nucleus colonies. He is a past president of the Vermont Beekeepers Association, and is currently leading a two-year queen-rearing project for Vermont beekeepers.

Wanted: Mentoring stories

The MSBA Executive Board has decided to recognize some of the many mentors who pitch in each year to help beginning beekeepers get started. To that end, we are seeking nominations from our membership for our **2010 Mentor of the Year Awards**.

If you have been the beneficiary this year of an extraordinary mentoring effort, please tell us your story. Contact Vice President Grant Gillard with the details. (Grant's contact information appears on page 13.)

The awards will be announced in early 2011.

David Burns, of Long Lane Honey Bee Farms in Fairmount, IL, has been a beekeeper for 16 years and runs about 100 hives. Several years ago his family started a bee business manufacturing and selling beekeeping woodenware. They began by primarily producing honey, but three years ago shifted to package bees, nucs and queen production.



David Burns

David is a part of the Illinois Queen Initiative, an effort to improve local queen stock in the Midwest. He serves as President of the Central Eastern Beekeepers Association, and Central Director of the Illinois Beekeepers Association. David also hosts the Wildlife Pro Network's monthly Beekeeping Podcast.

Long Lane Honey Bee Farms offers the following monthly beekeeping classes at the apiary: Basic Beekeeping, Advance Beekeeping and Queen Rearing. They also offer a beekeeping podcast and free online lessons via their website, www.honeybeesonline.com.

US colony losses, winter 2009-10

continued from page 1

survey was not designed to differentiate between definitive cases of CCD and colonies lost as the result of other causes that share the "absence of dead bees" symptom. Only 28% of operations reported that at least some of their dead colonies were found dead without dead bees. However this group lost a total of 44% of their colonies, as compared to the total loss of 25% experienced by beekeepers who did not report losses indicative of CCD.

Responding beekeepers attributed their losses to starvation (32%), weather (29%), weak colonies in the fall (14%), mites (12%) and poor queens (10%). Only 5% of beekeepers attributed CCD as the major cause for their losses.

It is also important to note that this survey only reports on winter losses and does not capture the colony losses that occur throughout the summer as queens or entire colonies fail and need to be replaced. Preliminary data from other survey efforts suggest that these "summer" losses can also be significant. All told, the rate of loss experienced by the industry is unsustainable.

1. Dennis vanEngelsdorp, The Pennsylvania State University/Apiary Inspectors of America (AIA), Past-President dennis.vanengelsdorp@gmail.com 717-884-2147

2. Jerry Hayes, Florida Department of Agriculture, AIA Past President, hayesg@doacs.state.fl.us 352 372-3505

3. Dewey Caron, Oregon State Univ., carond@hort.oregonstate.edu 302 353-9914

4. Jeff Pettis USDA-ARS Bee Research Laboratory, Beltsville, MD, pettis@ars.usda.gov, 301 504-8205

Missouri State Beekeepers Association Fall 2010 Meeting Registration Form

List all names for name tags. List any pertinent info such as Master Beekeeper, Beekeeper of the Year (and which year), name of honey business, etc.

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP+4 _____

PHONE _____ E-MAIL _____



Pre-registration fees (Registration must be received by October 10, 2010)

Member \$22.00 X _____ = _____

Member Family (i.e. husband & wife, father & son etc.) \$32.00 _____
(Must have paid 2010 dues as a family)

Non-member (per person) \$30.00 X _____ = _____

Registrations made after October 10, 2010

Member \$25.00 X _____ = _____

Non-member \$35.00 X _____ = _____
(No family discount on late registrations)

New, reduced meal prices!

Friday night Queen Banquet

We are offering a buffet featuring pork and chicken.

Adult - \$11.00 per person (\$11.00 x _____) = _____

Child - \$5.00/child under 12 (\$ 5.00 x _____) = _____

Saturday lunch: Little Taste of Italy buffet

Adult - \$7.00/person (\$7.00 x _____) = _____

Child - \$4.00/child under 12 (\$4.00 x _____) = _____

Membership 2010 Missouri State Beekeepers Assn. Individual: ☐ Renewal ☐ New \$15.00 _____

Membership 2010 Missouri State Beekeepers Assn. Family: ☐ Renewal ☐ New \$20.00 _____

Queen fund donation Donation \$ _____

Meeting fund donation Donation \$ _____

Total \$ _____

Please make checks payable to: Missouri State Beekeepers Assn. Send to Pam Brown, 1407 Sneak Rd., Foristell, Mo. 63348 *If you pre-register and then cannot attend, your registration fee will be considered a donation and no refunds will be made. If you pay for meals and we are able to sell them you will be refunded for those. Please note – no receipt will be sent. Checks will be deposited after the meeting.*



Obscure solitary bee uses flower petals for nest wallpaper

by Kathleen Masterson

www.npr.org/templates/story/story.php?storyId=126556246&sc=17&f=1007

May 6, 2010

When we think of bee nests, we often think of a giant hive, buzzing with social activity, worker bees and honey. But scientists recently discovered a rare, solitary type of bee that makes tiny nests by plastering together flower petals.

Each nest is a multicolored, textured little cocoon -- a papier-mache husk surrounding a single egg, protecting it while it develops into an adult bee.



"It's not common for bees to use parts of plants for nests," says Dr. Jerome Rozen of the American Museum of Natural History of the unexpected find. His team stumbled across the nests of the *Osima*

(*Ozbekosima*) *avoseta* bee in Turkey. Oddly enough, another team discovered the same bee and flowery nests in Iran on the same day. The two teams published their research together in the American Museum Novitates.

These Thumbelina-like nests are a fascinating natural work of art, but they're also key to understanding more about how the roughly 20,000 species of bees live.

"There's a demand for biologists to know bees nowadays," Rosen says. "They are the foremost animal pollinators of plants, and tremendously important for maintaining ecosystems -- not only crops but also for conservation."

To learn more, the scientists watched the busy mama bees. Building a nest takes a day or two, and the female might create about 10 nests in total, often right next to each other. To begin construction, she bites the petals off of flowers and flies each petal -- one by one -- back to the nest, a peanut-sized burrow in the ground.

She then shapes the multi-colored petals into a cocoon-like structure, laying one petal on top of the other and occasionally using some nectar as glue. When the outer petal casing is complete, she reinforces the inside with a paper-thin layer of mud, and then another layer of petals, so both the outside and inside are wallpapered -- a potpourri of purple, pink and yellow.

These meticulous shells are just over a half-inch long and usually will

house just one tiny egg. To prepare for her offspring, the mother collects pollen and nectar, which she carries back to the burrow in a nifty part of the digestive tract called the crop. She deposits this gooey blob of nutritional goodness in the bottom of the flower-petal nest. Then, she lays the egg, right on top of the gelatinous blob.

At this point, it's time to seal in the egg. The mother bee neatly folds in the inner layer of petals, smears a paper-thin mud layer and then folds the outer petals. The casing is nearly airtight, which helps protect the vulnerable egg (and later larva, then pupa) from flooding or excessive dryness or hoofed animals.



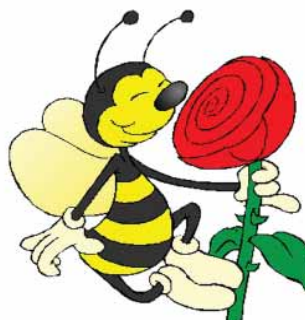
In only three to four days, the egg hatches into a larva. When it finishes feasting on the nectar, the larva spins a cocoon (still inside the shell, which has hardened into a protective casing by this point) and then hangs out. Rosen says he isn't sure whether it spends the winter as a larva or as an adult. But at some point the creature's tissue begins to restructure itself, and it transforms into an adult. Come springtime, the adult bee emerges from its flowery bower.

Then, the cycle starts all over again.



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Randy Tindall Photos



Native Pollinators Workshop

Friday, August 13, 2010



Topics to be included:

- Importance and biology of native bees and other pollinators in urban, rural, and natural areas
- Creating habitat for native pollinators
- Native plants that attract pollinators
- Integrated Pest Management in farms
- State and Federal Conservation Programs, and more.

Who should attend:

This workshop is open to everyone including producers, farmers, extension and research specialists, master naturalists, master gardeners, conservationists, and anyone interested in learning about native pollinators.

Time:

8:30 am to 3 pm, with option of a prairie tour from 3-5pm. Indoor and outdoor training and exhibits will be included.

Location:

MU-Bradford Research and Extension Center, Columbia, MO
For directions visit: <http://aes.missouri.edu/bradford/>

For registration or more information contact Nadia Navarrete-Tindall at

navarrete-tindallr@lincolnu.edu

or visit

www.lincolnu.edu/pages/3084.asp?item=3057

\$15/person includes lunch, refreshments, native seed and educational materials

Please send registration and check payable, by August 6, to Missouri Prairie Foundation at
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Upcoming meetings:

MSBA Spring Meeting 2011: Branson, March 11-12 at the Lodge of the Ozarks. Featured speakers include Dennis vanEngelsdorp, University of PA, and apitherapy expert Reyah Carlson, (www.reyasbeesness.com).

North American Beekeeping Conference: This will be a joint convention between the American Honey Producers Association and the American Beekeeping Federation, in Galveston, Texas, at the San Luis Resort, January 3-9, 2011.

Contact AHPA Executive Secretary Jerry Brown at brownhoneyfarms@hotmail.com if you have any questions. Go to www.sanluisresort.com/media/docs/meetingfacility.pdf for Convention Center details.

Remember to make your reservations SOON as this conference is expected to fill up quickly.

Your help is needed. Please volunteer!

HELPIII LADIES or MEN -- At our March 2011 Meeting, we are going to start having some FUN competitions, one being Cooking With Honey. We need several volunteers to help with this project. Can we count on you? Please contact Pam Brown at 636-398-5014 or program@mostatebeekeepers.org

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- Solid bottom boards, \$1.00 each
- Metal queen excluders, \$2.00 each
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Thank you for the bees

by Eugene Makovec

"Actually, it was sugar rationing that drove me into beekeeping."

Dad was dying of cancer, and we were talking about a number of things, bees included. I knew his father had also kept bees, so I assumed Dad came into the bees along with the Guernseys. He quit the 10th grade in 1941 to run the dairy farm when his last brother enlisted in the army. His father was not as young or as healthy as he'd once been and could not run the farm by himself.

As it turned out, Grandpa had stopped keeping bees several years before, and the equipment was sitting empty. It wasn't until the government clamped down on sugar supplies during World War II that the need for sweeteners got Dad thinking about honey. "My dad liked sugar in his coffee," he remembered. "He didn't have many luxuries, but this was one he insisted on."

"So the government didn't ration honey?" I asked.

"No," he replied. "In fact, beekeepers could get extra rations of sugar to feed their bees."

Whatever the reason, Dad took to beekeeping and never looked back. He ran as many as a dozen hives at one time (about 11 more than needed to sweeten the family's coffee), and I remember us always having at least two or three in the yard when I was growing up.

I was always a daydreamer as a kid. As the eighth of 10 kids, it was easy for me to get lost in the shuffle. When my head wasn't buried in a book, my mind was miles away from whatever chores I was doing on the farm. So while I always thought honeybees were kind of cool, I had about as much interest in beekeeping as I did in milking cows. Besides, bees were always Dad's thing he did on his own, and he was never one to talk about stuff unless you asked about it.

I didn't ask about bees until after Dad quit beekeeping in the 1990s. But I found him more than willing to share. I was the first one to take up his hobby, and he gave me lots of advice, along with a bunch of his old equipment. Most of all, he just loved to talk about bees. Whenever I would call my parents about anything at all, he was the first to bring up the bees.

My brother Frank took up beekeeping several years after me, and brother Tom recently made his property available to a commercial beekeeper to place about 50 hives for the summer. In fact, on the day after Dad's funeral I was at Tom's house helping him catch a couple of swarms and assemble the equipment to house them. He had officially become a beekeeper. "Kind of a fitting sendoff to Dad," I said afterward.

Tom nodded. "He would have enjoyed this."

Dad lived about six weeks after his cancer diagnosis. We were all very fortunate that his mind was sharp and we were able to visit with him, ask questions, share stories ... and say goodbye. The last time I saw him, about 36 hours before he died, he was very weak and had difficulty talking. But he was still alert and communicative. It was my last chance, and I told him how much I loved him and appreciated all that he had done for us kids over the years.

But I realized later that I'd never thanked him for the greatest joy he had given me.

Dad ... if you're reading this ... thank you for the bees.

Eugene F. Makovec, August 15, 1925 to July 17, 2010



Eugene F. Makovec collects a swarm of bees in 1950 at his home in Stetsonville, Wisconsin. Dad was only 25 years old in this photo, and had already been keeping bees for nine years.

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Varroa mites	More susceptible	More resistant
Tracheal mites	More susceptible	Highly resistant
Brood rearing	Continuous throughout the summer	Usually only during times of pollen availability
Robbing	High	Low
Queen cells	Only during swarming or queen replacement	Present most of the time
Pollination skills	Small difference from Russian bees	Small difference from Italian bees
Temperament	Gentle, less defensive; not likely to sting	Gentle, less defensive; not likely to sting

Requeening Italian Colonies With Russian queens by Ian Brown

The requeening procedure has frustrated many beekeepers because standard introduction techniques often are not successful when requeening Italian colonies with Russian queens, as the colonies may reject the new queens. Italian bee colonies need more time and separation to become acclimated to Russian queens.

Step 1: Split the colony in half, with the two halves separated by a double screen.

Step 2: Place the old queen in the bottom half and a caged Russian queen in the upper.

Step 3: Release the Russian queen from her cage after 7-10 days.

Step 4: Once the Russian queen has been accepted and has laid eggs for one month, kill the old queen, and reunite the two halves (remove the screens).

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20 Frame Radial Extractor



- 4 Section Reel
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- 20 Gauge Stainless Steel
- Holds Any Size Frame
- 20 Individual Frame Pockets
- Can Hold Up To 36 Frames
- 30" Diameter 28" High

All Dadant Extractors are Made With Gauges of Steel Heavier than our Competitors!

The ideal choice for a growing extracting operation. From a few colonies to several hundred, the 20-frame radial is excellent. Comes complete with welded drain (2" Female Pipe thread) with 2" to 1 1/2" reducer bushing. A powerful variable speed direct drive motor powers the unit. 120 v. operation. (Stand sold separately).

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Why are they the best in the business?

TWICE as THICK
as our competitors

⇒ We use **Type 304** stainless steel. This may not mean anything to you, but it is the most widely used and accepted stainless steel in the food-processing industry, because of its resistance to rust and corrosion to protect your honey.

⇒ We use stainless that in some cases is almost **TWICE as THICK** as our competitors' stainless steel. You want durability? Here it is.

⇒ Sheets of stainless steel are difficult to permanently join together. Instead of using the old technology of soldering, caulking or crimping stainless steel together, we use state-of-the-art, **Automatic MIG welders** to actually melt and weld our stainless steel together. Smooth welds inside and out that won't ever leak. No sealants are used to hide poor quality welds and prevent leaks. Dadant manufacturing standards are rigid. We meet them on each and every all-welded stainless steel tank sold. Each tank is tested before it leaves the factory.

⇒ A team of 15 is involved in the over 25 steps it takes to make the durable, efficient and sanitary stainless steel extractors from Dadant.



Local Beekeepers Associations

Beekeepers Association of the Ozarks

4th Tuesday of each month, 7:00 p.m.
The Library Center, 4653 S. Campbell, Springfield
www.ozarksbeekeepers.org

Boone Regional Beekeepers Association

3rd Sunday of month, 1:00 p.m., Columbia Insurance Group, 2102 Whitegate Dr. (back door), Columbia
Contact Art Gelder 573-474-8837
<http://beekeeper.missouri.org>

Busy Bee Club

4th Tuesday of each month, 7:00 p.m., Cedar County Health Center, Owens Mill Road, Stockton
Neal Lee 417-276-3090 Neil Brunner 314-276-4252
grnthumb@alltel.net

Eastern Missouri Beekeepers Association

2nd Wednesday of each month, 7:00 p.m., Powder Valley Nature Center 11715 Craigwold Rd., Kirkwood
Bob Sears, President 314-479-9517
www.easternmobeekeepers.com

Golden Valley Beekeepers

2nd Monday of each month, 7:00 p.m. (but varies)
Henry County Courthouse, Clinton MO
Contact Kathy Murphy 660-678-5171
murftk@copper.net

Jackson Area Beekeepers

4th Tuesday of each month, 7:00 p.m.
First Pres. of Jackson, 206 E. Washington
Contact Grant Gillard 573-243-6568
gillard5@charter.net

Jefferson County Beekeepers Association

2nd Tuesday of each month, 7:30 p.m., Hwy B & 21
Jefferson County Extension Center, Hillsboro
Contact Scott Moser 636-285-7295

Joplin Area Beekeepers Association

Last Tue. of each month, 7 pm, SM Bank Community Building (7th and Duquesne Rd), Joplin
Contact Gene Foley 417-624-6831

Mid Missouri Beekeepers

3rd Sunday of each month, 2 pm, St. James Tourist Ctr.
Contact Don Moore 573-265-8706

Midwestern Beekeepers Association

Nov-March, 3rd Sunday of each month, 2:30 p.m.
April-Oct, 2nd Thursday of each month, 7:00 p.m.
(Schedule varies; please call first to confirm.)
Bass Pro Shop, Independence, Conservation Room
Cecil Sweeney, President 913-856-8356

Mississippi Valley Beekeepers Association

Last Tuesday of Month in Quincy, IL
Contact Debi Bridgman 573-439-5228

Missouri Valley Beekeepers Association

3rd Monday of each month, 7:00 p.m.
Scenic Regional Library, Union
Contact Rodney Angell 573-764-2922
bee143@fidnet.com

Parkland Beekeepers

3rd Tuesday of each month, 108 Harrison, Farmington
Contact Gene Wood 573-431-1436

Pomme de Terre Beekeepers

2nd Thursday of each month, 7 pm
Missouri Extension Office, Hermitage
Contact Bessi Shryer 417-745-2527

South Central Missouri Beekeepers Association

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

Southern MO Beekeepers of Monett "MOBees"

3rd Tuesday of each month, 7:00 p.m.
Monett High School VO-AG Building
Robert Sperandio, President 417-235-6959

Southwest Beekeepers Association

1st Tuesday of month, Neosho High School FFA Building
Contact Herb Spencer 417-472-7743

Three Rivers Beekeepers

3rd Monday of month, University of Missouri Extension, 260 Brown Road, St. Peters, Missouri, 7:00 p.m.
For info: 2952 Greenleaf Drive, St. Charles, MO 63303
info@threeriversbeekeepers.com

Cookin' with Honey!

by Carrie Sayers

Honey Citrus Marinade

(for pork, chicken or seafood)

Ingredients:

1/3 Cup HONEY
2/3 Cup Orange Juice
1 T Soy Sauce
1 Clove Fresh Garlic (minced)
Pinch Crushed Red Pepper

Method:

Stir all ingredients together . . . marinate your protein choice for at least one-half hour – but no more than 8 hours – the citric acid in the OJ will "cook" it for you!

I suggest grilling after marinating – but the broiler or stove top works well too.

Enjoy!

Carrie Sayers (www.sayerscatering.com) is a beekeeper in Glendale, MO, and has been cooking with honey for years.

**MSBA Membership Application**

Name _____ Spouse's Name _____

My local association is _____

Address _____

City/State/Zip _____

Phone Number _____ Email _____

NOTE: If you belong to a local association, please pay your state dues through your local club.**State Association Dues** (Check only one box)Adult Membership \$15.00 ☐**Amount Enclosed \$** _____Family Membership \$20.00 ☐

Make check payable to: Missouri State Beekeepers Association

Student Membership \$5.00 ☐

Mail to: P.O. Box 448 Oak Grove, MO 64075

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Honey Princess Report

by Lillian-Grace Misko

Greetings Everyone,

What an eventful and exciting summer it has been -- yet, it is not completely over. Besides traveling to New York and Massachusetts for two immediate family weddings, I have been having a wonderful time meeting many people while traveling as the Honey Princess. I would like to note that one of my favorite privileges as Honey Princess is to see the smiles and share in the joy of children when I put a bee sticker on them. I hope I never run out of those stickers!



My most recent trip was all the way down to West Plains, MO for the Old Time Music Ozark Heritage Festival. I was there for two days and demonstrated a recipe from my brochure each day. Everyone loved the "Gypsy Dressing" and "Microwave Bran Muffins". This was my first experience doing a public cooking demonstration (I even had a handless microphone); I will say, I had a blast sharing stories! (Thank you Monty Wiens for donating the delicious spring honey!) I thought I would only be doing my cooking with honey demonstration, but I ended up broadening my dance horizons by being taught how to "jig" and to square dance (the official Missouri State Dance) by the Do Si Do Company! I even received a mini lesson on the dulcimer! I met many wonderful people while promoting honey on this trip, including a lady who graduated from both of the colleges that I am attending! I love how certain people are just meant to cross our paths. Speaking of crossing paths, I even came across a yellow motorcycle with a mighty looking bee logo on it -- you guessed right, I definitely got a picture of it.

In early June I appeared at Powell Gardens for Bug Day, so far the closest event to my home. At this event I showed off a spectacular observation hive from Brian Norris. This observation hive was perfect to explain to people about the different combs (brood comb and honey comb) and to point out the different bees (worker bees, drones, and the queen bee). The observation hive attracted young children as well as adults -- all ages absolutely loved it and were interested in hearing more about bees and honey.

Like I said earlier, the summer is not over yet. I still have places to travel, including Springfield (Springfield Fair), Walnut Grove (Mead Fest at 7C's Winery) and Sedalia (Missouri State Fair).

I hope everyone has been able to keep an eye on their hives during swarm season! Super up! NO supers, NO honey! Be careful in the heat. Take lots of breaks and drink lots of water.

With much care,

Lillian-Grace Misko, Honey Princess 2010

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collin.wamsley@mda.mo.gov
- Associate Professor of Entomology: Richard Houseman**
HousemanR@missouri.edu 573-882-7181
1-87 Agricultural Building, University of Missouri-
Columbia, Columbia, MO 65211

*We need a volunteer to fill this position. Please contact Scott Moser or Grant Gillard for information.

Missouri State Beekeepers Association

P.O. Box 448 Oak Grove, MO 64075

www.mostatebeekeepers.org



Mentha longifolia (horse mint) blooms for two to three months in the spring and summer, and attracts a wide variety of bees and wasps, including this unidentified specimen.
photo by Eugene Makovec

This newsletter is published six times per year, in even months. Submissions are due by the 15th of the month prior to publication.

The email edition is in color, and contains hyperlinks and bonus back-page material, while the print version is in black-and-white. If you are a member currently receiving the printed newsletter and you wish to upgrade, just send an email to editor@mostatebeekeepers.org with "email newsletter" in the subject line. I'll reply with confirmation, and add you to my list.

Advertising rates are as follows:	Business card size	\$15.00	Half page	\$50.00
	Quarter page	\$35.00	Full page	\$100.00

Classified Ads: Advertise one to three beekeeping-related items in a one-line ad at no charge. This service is for non-commercial MSBA members only, and is limited to one ad per item per calendar year.

Honey Trading Post: This is a free service to members wishing to buy or sell honey on a wholesale basis. Just email or call the editor with contact information and whether you are buying or selling. Pricing is between the interested parties.