Honeybee Genetics
By Dr. Hongmei Li-Byarlay

American Foulbrood
By Barb Bloetscher

Beekeeper Safety
By Jamie Walters

Value of Your Beehive Resources
By Jeannie Saum

Monitoring the Mite Biting Behavior
By Dwight Wells

Common Mistakes New Beekeepers Make
By Jeannie Saum
HEART & SOUL
A family of beekeepers producing superior beekeeping supplies.

The lines on our skin hint at our age. Our backs ache, our knees creak and every morning we take that first step out of bed unsure if our legs will hold, but they do.

Our tools are covered in wax and propolis from decades of use. We clean them from time to time but our smoker’s bellows still push calming puffs out and that’s all that matters.

We’re not new to this like some. We’ve seen ‘em come and go over the decades. When you’ve been in the game this long you’re bound to say goodbye to old friends from time to time.

Yet, after all these years there’s still no quit in us. We pour our heart and soul into it, it’s our livelihood and we wouldn’t want it any other way.

Are you ready to see what over 150 years of experience can do? Contact us today and let Dadant help.
Inside this Issue

3    New Life Members
     Hive Digest Sign-Up
4    Letter from the Editor
5    The President’s Corner
6    Honeybee Genetics ~Dr. Hongmei Li-Byarlay
8    American Foulbrood ~ Barb Bloetscher
9    Traveling Speaker Program - Update
12   Common Mistakes New Beekeepers Make
     ~Jeannie Saum
15   Associations Across Ohio
     Maumee Valley
     Erie Basin
     Western Reserve
     Top of Ohio
     Heart of Ohio
     Cross Roads
     Miami Valley
     Ohio Valley
     Buckeye Hills
27   4-H Partnership Program Reports
29   Enjoy Some Bee Friendly Fun!
31   No Alcohol for Mite Washing ~ Randy Oliver
32   Beekeeper Safety ~ Jamie Walters
34   Master Beekeeping Program
35   OSBA Fall Conference Information
37   2020 Educational Opportunities
39   Monitoring the Mite Biting...~Dwight Wells
40   Telling The Bees...
42   Beekeepers: Know the Value...~Jeannie Saum
48   2020 Officers, Staff & Newsletter Deadlines

Newsletter Colony

Newsletter - Kelly Morse
newsletter@ohiostatebeekeepers.org
Editor - Jamie Walters
editor@ohiostatebeekeepers.org
Advertisements - Nina Bagley
advertising@ohiostatebeekeepers.org
Associations Across Ohio - Kelly Morse
newsletter@ohiostatebeekeepers.org
OSBA President - Peggy Garnes
president@ohiostatebeekeepers.org
Articles - Jeannie Saum
articles@ohiostatebeekeepers.org
Artwork Design - Laurie Dotson
artwork@ohiostatebeekeepers.org
Photos & Events - Teresa Parker
photos&events@ohiostatebeekeepers.org
Telling the Bees - David Crawford
davidcrawford43113@gmail.com

Cover Photo
Would you like your photo used on the front cover? If so, please send high resolution photos to: editor@ohiostatebeekeepers.org
Credits will be given to photographer.

July Cover Photo
Credited to: Alan Snow
Camera: Samsung SM-J337AZ
Aperture F1.9
Focal Length 2.91mm
ISO 40
Exposure Time 1/678s
New OSBA Life Members

The following beekeepers have shown their support of OSBA by becoming Life Members. Life Membership consists of a one-time payment to OSBA of $200.

- Daniel Jung
- Linda Stoverock
- Dan Gerker
- Joni Henning
- Scott Stoverock
- Carol Gerker
- Bill Lawhon Jr.

E-mail Conversion

We would like to suggest conversion to email delivery of your newsletter. If you are reading a printed newsletter that was mailed to you, it costs $2.90 (printing & postage) x 320 members.

Estimated $928.00 per quarter = $3,712 per year.

*Receive it faster than snail mail.
*Better use of your membership dues.
*Allows funds to go to other programs.
*Hyperlinks to vendors & websites.
*You see everything in full color.
*Conservation & saving the trees.

Email: editor@ohiostatebeekeepers.org to convert.
Letter from the Editor

The newsletter colony has been hard at work adding the additional information, vendors, and items you have asked for. I greatly appreciate the feedback you have given us in making the quarterly newsletter grow by 4 additional pages.

My personal feelings: Covid-19 will not be going away anytime soon as we all watch this surge of infected people and states shutting down once more. This is one reason why I'm such an advocate for getting education out to the beginners, sideliners, and advanced beekeepers. If you have written articles for OSBA in the past or want to in the future, I'm asking for your help. Even as you read this issue, we are already working on October's issue. We will make this as big as you want. You're welcome to submit a 1 page article on anything related to beekeeping or thinking outside the box: forage, honey sales, public outreach, education, safety, etc.

We have some incredible writers, proofreaders, and editors that will even help you design the article. Please feel free to add photos and graphics or ask for help. We have lots of resources to assist you. You're welcome to submit articles in .txt, .rtf, or .doc. If you have any questions, please feel free to contact me.

In closing, we are all diverse in every way but beekeeping brings us together, like an extended family. I agree, there are relatives that I don't like either, but the desire to help each other outweighs it. We all want to have healthy bees, tons of honey, wax candles, fat elegant queens, and resources to become sustainable. Know your resources, state inspector, club officers, mentors, and don't hesitate to ask for help. The grand scheme of things: we are all in this together...

Jamie Walters

---

Bee Guy Supplies LLC

We are Meeting Bees’ needs and I'm dedicated to assisting new & experienced beekeepers.

Our Mission:
To provide high quality apiary supplies that are convenient and at an affordable price.
To provide resources and information to aid the beekeeper in South, and central Ohio.
To provide trusted and superior Customer Service

“Host a Hive”- Let me help you be part of the solution

Nucs, Bees, Boxes, Supers, Frames, Hive Kits, Clothing, Nutrition, Bottles (both plastic and glass), & Tools

Bee Guy Supplies
983 Hanna Lane
Londonderry, Ohio 45647
614-907-5520

Hours of operation:
Tuesday thru Thursday 9am-5pm  Friday and Saturday 9am-1pm
Call for appointment outside of these hours

www.beeguysupplies.com
Shipping available- Order online or call
Visa, Mastercard, Discover accepted
As I reflect on my first 6 months as elected OSBA President, I realized what you plan and hope for doesn't always materialize. January had ABF in Chicago with the opportunity to speak with other state Presidents, Ohio club presentations about what is to come from the new OSBA and attending meetings all over the state. Come February brought meeting with clubs on OSBA programs, traveling to Pennsylvania for their meeting, and presenting at two colleges. My new computer was being updated to handle all the new information that was to be forthcoming... March brought the NSF Conference in Geneva and Tri-County Workshop and then Covid-19 hit! Luckily I have been supported by the talented and dedicated OSBA Board and Committee Members - we have adjusted!

Meetings and presentations were cancelled, Traveling Speaker Program had to reset to online presenting, fairs all over the state were cancelling-including the Ohio State Fair (one of our biggest public outreach venues) and everyone had to learn to Zoom!

Webinars started (thank you to Jamie!) to reach Ohio beekeepers who couldn't meet and bring information that was being sought. If you have the opportunity, please register for one of the webinars on Zoom and complete the survey so we can continue to bring you awesome speakers.

As updates come on the Senate voting on House Bill 496, we will post on the OSBA Facebook page along with information on the OSBA Fall Conference/Annual Meeting in November. The Fall Conference will be on ZOOM. Stay tuned for more information as Covid-19 changes how we meet and exchange information!

Stay healthy, wash your hands and love your bees!

**Apiary Diagnostic Kits**

The USDA Specialty Crop Block Grant allowed OSBA to provide up to 700 complimentary Apiary Diagnostic Kits to new Ohio beekeepers to help increase their monitoring skills. All 700 have been applied for and awarded.

If you would like to purchase a kit, they are available at Betterbee.com


The kit come with a manual written by OSBA that shows many of the common diseases and how items in the kit can be used to diagnose them.

**Join Ohio State Beekeepers Association**

Your $20 membership (less than 6¢ per day) supports activities and projects that benefit our beekeeping community. Ohio State Beekeepers Association is a 501c3 non-profit organization supporting people who have an interest in honey bees and beekeeping. You do not need to be a beekeeper or live in Ohio to join OSBA. Membership includes on-going activities of the association to promote honey bees and beekeeping, voting in annual elections, discounts on publications, and an annual subscription to Ohio Beekeeping. Please help support the beekeepers' voice of Ohio! See page 50 for the membership registration form or join online at:

http://www.ohiostatebeekeepers.org/?s=membership
The Honeybee Research Lab in the Department at Central State University was established back in the August of 2017 and led by Dr. Hongmei Li-Byarlay. The research of our lab is focused on honey bee genetics, behavior, and pollinator health. Central State University is the newest 1890 Land Grant Institution in Ohio since 2014. Compared to other Land Grant Institutions established since 1862, 1890, or 1994, we are in the embryonic stage of development and growth. Central State University is a public, historically black college and university (HBCU) located in Wilberforce, Ohio (Greene County), in existence since 1887. Our land-grant institution is supported by the National Institute of Food and Agriculture (NIFA) of the United States Department of Agriculture (USDA).

Our research is broadly testing innovative hypotheses in honeybee functional genomics, gene and behavior, brain, and physiology. Here we demonstrate our current research projects in four areas.

1. Honeybee genomics and social behavior. Honeybees are the most important managed pollinators for American agriculture. However, managed populations are in decline - 52% annually in Ohio (Bee Informed Partnership Loss and Management Survey 2017-18). The ectoparasitic mite Varroa Destructor is the No. 1 enemy since they were introduced to the U.S. in 1987. These mites have already developed resistance to major miticides. Breeding mite resistant bees are critical to maintaining sustainable apiculture for local pollination, food, and crop productivity. In addition, it will support farmers to manage the growing miticide-resistance problem and help develop sustainable agriculture practice in the U.S. Since 1987, natural selection maximizes the capabilities of U.S. honeybee colonies for mite resistance. Colonies change in their genes, therefore they differ in mite resistant traits that have a genetic basis, including mite biting behavior and grooming behavior. Current research project on the 3-D scanning of bee mandibles showed significant difference of morphology among Ohio feral bees (Apis mellifera), package bees (A. mellifera), and Eastern honey bees (A. cerana) (publication in preparation). We are collaborating with Purdue University (Harpur lab in the department of Entomology) and Ohio beekeepers for breeding mite resistant bee stocks using genetic and genomic approaches. This research is supported by the Land-grant Evans-Allen fund of USDA and will also be supported by a new seed grant for pollinator health from the Agriculture and Food Research Initiative (AFRI) of USDA (2020-2022).

2. Honeybee epigenomics and environment. Without changing DNA genetic information, cells have chemical modifications or epigenetic marks on DNA and chromatin structures for gene regulation. Environmental factors can changes these marks and have an effect in cells. We are interested in role of DNA methylation in social honeybees. Our past research showed that DNA methylation is highly correlated with widespread and diverse changes in alternative splicing in honeybees (Li-Byarlay et al., 2013. RNA interference knockdown of DNA methyl-transferase 3 affects gene alternative splicing in the honey bee, Proc.Natl.Acad.Sci.U.S.A. 110: 12750). Currently we have one intriguing research project (Research Initiation Award: Search for the Epigenomic Mechanisms of Paternal Inheritance of Aggression in Social Honeybees, National Science Foundation (NSF) grant Award Id: 1900793) to examine the transgenerational inheritance of epigenetic marks in the aggressive behavior.

3. Honeybee queen quality, development, and breeding. Honeybee colonies are in decline due to multiple factors such as parasitic Varroa mites, pathogenic infections, pesticides, limited genetic diversity, and malnutrition. Feral honeybee colonies from remoted area are the potential local resources for mite resistant due to natural.
Continued - Honeybee Genetics ~Dr. Hongmei Li-Byarlay

selection. Breeding efforts are needed in mite biting honeybees to control Varroa mites. Transfering young queen cells (48 hours after grafting) is an efficient method to produce virgin queens with desired genetic traits and transport the cells to different apiaries. Maximizing investment in apiaries to obtain healthy colonies is vital to all apiculturists. We compare the quality of 48-hr queen cells among different honeybee stock. Using 48-hr queen cells will increase genetic diversity for small apiaries and provide an option for selecting bees for mite resistance. This research is funded by a USDA Sustainable Agriculture Research and Education (SARE) grant (2019-2021).

4. Bee transportation and viral stress. In honey bee physiology, oxidative stress resistance and longevity are mechanistically and phenotypically linked. Dr. Li-Byarlay published two papers on this topic on honey bee drones and migratory honey bees before coming to CSU (Li-Byarlay et al., 2016, Honey bee drones survive oxidative stress due to increased tolerance instead of avoidance or repair of oxidative damage, Experimental Gerontology, 83:15-21; Simone-Finstrom/Li-Byarlay et al., 2016. Migratory management and environmental conditions affect lifespan and oxidative stress in honey bees, Scientific Reports, 6: 32023). Our current project is to compare the status of aging and the levels of oxidative stress among different honeybee stocks (feral bees versus managed bees) in Ohio. It was also demonstrated that colony differences in oxidative stress resistance might be useful for breeding stress-resistant honeybees. We are also interested studying the viral prevalence and resistance of honey bees using molecular and genomic tools available in our lab.

OSBA Underserved Grant

The OSBA Board has approved funding for 5 underserved grants to be awarded in 2020. This grant provides a library of five beekeeping books, a year’s subscription to both national beekeeping magazines, along with an OSBA subscription to the newsletter. Grants will be distributed on a first-come, first-serve basis. If you know of an underserved group who needs educational materials to assist their beekeeping needs, contact OSBA Treasurer, for details and the grant application:

treasurer@ohiostatebeekeepers.org

Kroger Community Rewards Program

Shopping at your neighborhood Kroger while donating to OSBA - food for you means funds for the beekeeping community! OSBA is part of the rewards program. When you register your Kroger Plus Card, each time you shop for groceries and use your Kroger Plus Card, OSBA automatically earns a Kroger Rewards donation. https://www.kroger.com/topic/community-rewards-9

Type in “Ohio State Beekeepers” when it asks the donation group and designate OSBA as your recipient of Kroger Community Rewards.
It’s time to gear up for honey extraction season!

Get the bees out of your honey supers easily with a **triangle escape board**, or a *fume board* paired with **Bee-Go** or **Bee Quick**. Then you’re off to uncap and extract using the many types of tools and equipment we offer!
Most of us long-time beekeepers know what American foulbrood (AFB) is, or at least we think we do, while most new beekeepers have never experienced it and hope they never will. Beekeeping classes warn new beekeepers about AFB and describe symptoms such as sunken cappings and a foul odor. We all know that this deadly bacterial disease caused by Paenibacillus larvae is highly contagious, but what else do we know? What new research has been done in the last five years? Perhaps because the incidence of American foulbrood has declined (0.14% of the colonies inspected in Ohio in 2019), we are less concerned and maybe not as vigilant as we should be.

Symptoms of American foulbrood vary depending upon the overall vigor of the colony and their hygienic behavior. Dr. Walter Rothenbuhler, Apiculturist at The Ohio State University, did extensive research on developing hygienic bees to clean and remove AFB spores from colonies. Thanks to his work, genetic engineering for hygienic behavior has advanced beekeeping into an industry of selective breeding.

Imagine bee larvae being devoured by a bacterium and dying; the odor is foul like rotten eggs. Some may detect a sulfur smell which is different from the wet sock smell of fall honey or larvae dying before they are capped. The cappings on dead pupae become dark, greasy looking and slightly concave. Nurse bees chew holes in the cappings as they remove the dead pupae which further spreads the bacterium. The brood pattern becomes sparse as the dead pupae are removed and the overall population of bees diminishes. Old frames with AFB spores may have a whitish scales on the bottom of the cells and look polished as bees try to clean out the remains of their sisters.

Don't wait for the smell of AFB to determine if a colony has the disease, as that odor may not be noticeable until the disease is in an advanced stage. Instead, look for the sunken cappings and scattered brood pattern. Check the brood chambers once a month if possible. Make sure to check the bottom box as bees will move up and abandon diseased frames.

The key to diagnosis is to put a stick or toothpick in one of the sunken cells and pull out gently. The dissolved larvae will string out a brown “rope” around 2 cm. long, called the “rope test”. Older dead pupae may have just the tongue sticking out. Other commercial diagnostic tests are available and accurate if used correctly. The USDA Bee Lab AFB bulletin is also an excellent resource and can be found at: https://www.ars.usda.gov/is/np/honeybeediseases/honeybeediseases.pdf

The disease progresses quickly in an apiary, which is why beekeepers should check their apiaries monthly. One infected colony in an apiary of 12 colonies can result in 10 dead colonies by the end of the first season. In general, the larvae ingest the bacterium when fed larval jelly about 53 hours after they hatch. The bacteria multiply in the gut of the bee larvae then burst through the cell walls filling the body of the bee until it begins to disintegrate. Up to 2500 million dormant spores can be in one dying larva. Once the larvae are capped, the bacteria break through the dying pupa and form a dormant stage in the remaining debris. This dormant spore has a tough cell wall that is impermeable to chemicals. With fewer adult bees emerging, the colony weakens and is soon unable to defend the colony from foragers from other colonies. These foragers rob the sick colony, taking bacterium to their own, and the cycle continues.

The way beekeepers get American foulbrood infections in their colonies is by obtaining frames or hives from other beekeepers or using old equipment that has dormant bacterium. It is a state law that all equipment must be inspected before it is sold, traded or donated to protect honey bees and beekeepers from AFB. Please contact a County Apiary Inspector or the State Apiarist if the beekeeper does not have an inspection report for the yard from which the equipment was taken. It is far better to ask than to spread the disease to
Continued - American Foulbrood ~Barb Bloetscher

another apiary. Once it is in a yard, the bacterium remains in the environment for more than 70 years. Unfortunately, the only proven way to destroy the dormant spore is by burning the frames, comb and equipment. Most state apiary programs still prescribe burning the comb and equipment as the only reliable way to stop the spread of the bacteria.

AFB can also infect a colony if a swarm which had stored AFB spores with their honey before leaving, is caught. For this reason, it is wise to put swarms and packages on foundation for at least a week until the bees have emptied their crops. Keep your colonies strong and monitor them, as feral colonies as well as infected, unregistered colonies within range of your apiary can spread the disease.

Some beekeepers have relied on antibiotics which mask symptoms of the active 'vegetative' phase of the bacteria, but it does nothing to the dormant bacteria, the 'spore' stage. Now that antibiotics can only be obtained from a veterinarian, this disease has re-appeared in last few years, either because the product has been stored over 10 years and is less effective or it is no longer being used so that the symptoms are re-appearing.

Based upon old records preserved by Gordon Rudloff, former Chief Apiarist at Ohio Department of Agriculture (ODA), from 1923-1930, more than two-thirds of all the apiaries in Ohio were infected and dying from AFB. In some areas, all colonies were dead. Voluntary county inspectors helped, but results were neither consistent nor effective. In 1930, ODA created the Apiary Inspection Program that provided for County Apiary Inspectors, who are appointed and paid by the county in which they inspect. In the first year of the program, 15% of all the colonies inspected had AFB. Because AFB was ruled as a serious disease, the Apiary Law passed April 22, 1904, mandated that infected colonies be burned to destroy the dormant stage of the bacteria and therefore stop the spread of the disease. Using this technique, by 1940, the number of infected colonies dropped to 3%. Since then, the percentage has continued to drop and in 2019, AFB was found in only .14% of colonies.

Other states had similar success, for instance, New York's percentage of AFB averaged 2.3% from 1991 to 1995, but then the program was defunded for five years. When the program was re-instated, the incidence of AFB had risen to 8.6% with 12,000 infected colonies. Within 6 years of inspections, the percentage had dropped to 1.5%. These records point to the importance of an inspection program to provide an extra pair of eyes checking the health of our colonies.

Links to AFB factsheets:
https://extension.psu.edu/honey-bee-diseases-american-foulbrood
https://txbeeinspection.tamu.edu/american-foulbrood/
https://beenformed.org/2013/10/21/american-foulbrood-afb/

References:
https://txbeeinspection.tamu.edu/american-foulbrood/
List of Publications on Apiculture Contained in the U.S. Department of Agriculture Library and in Part Those Contained in the Library of Congress
Mrs. Vajen Eilleen Hitz Fischer January 1, 1930, United States Department of Agriculture, Library

State Apiarist/Entomologist, Ohio Department of Agriculture, Office: 614-728-6373 Fax: 614-728-6453 BBloetscher@agri.ohio.gov

10
Traveling Speaker Program - “Successful Overwintering”

We are now offering the OSBA Traveling Speaker Program as a Zoom webinar for 2020. If your club or association would like to learn more about this type of education, please email us. This year’s topic is "Successful Overwintering". This program will cover the basics of getting bees ready for winter and steps that beekeepers might do to improve winter survival of honey bees.

There will be a nominal fee to reserve a Traveling Speaker: $35 for OSBA affiliates, and $50 for non-affiliates. We are currently accepting reservations for these presentations. To schedule a speaker, please contact: OSBA at travelingspeaker@ohiostatebeekeepers.org

Other topics available through the Traveling Speaker Program include:
- Sustainable Beekeeping Management: Hobbyist Queen-Rearing
- Monitoring for Sustainability
- Sustainable Beekeeping using Nucs
- Grants - What You Need to Know Before You Get Started

OSBA Announcements

With everything changing around us, we are working on adapting to continue to carry out the mission of OSBA, keeping members first and bringing you the best educational opportunities available.

1. The OSBA Fall Conference will be moved into a Zoom conference. The planning committee is meeting every Thursday to make the necessary plans. The date and time have not changed. The OSBA Fall Conference will still take place on Saturday, November 7. Look for a detailed list of speakers, times, and directions so you can take full advantage of this opportunity. The October Quarterly Newsletter will have everything you want to know about it. Please see page 35 for more details.

2. Start thinking of the Beekeeper of the Year award. It will be announced during the Fall Conference. We recognize one outstanding beekeeper that is nominated by his/her peers for outstanding work during the past year. The OSBA Award Committee will review all nominees and select only one. Who do you know that deserves recognition for all of the work that benefits beekeepers across the state. Nominations close on September 1st and you cannot select someone that has won within the last two years.

3. The Propolis Award is given to that beekeeper that stands out among the membership, willing to help out, and always wanting to go the extra mile to make the club/association better. Take this time to nominate a beekeeper who deserves recognition for all of their hard work and dedication. The one that makes things stick together no matter what. Nominations close on September 1st.

4. The Hall of Fame candidate, recognizes individuals who have made significant contributions to beekeeping in Ohio. Awarded to an Ohio individual that has exhibited life time achievements that have made positive impacts to the entire beekeeping community. Nominations close on September 1st.

Contact President Peggy Garnes for nomination forms president@ohiostatebeekeepers.org or pgarnes001@gmail.com
1. **Not wearing your bee suit** - Even if not allergic, multiple stings can land you in the hospital.  
   Remedy: Wear your bee suit, gloves, suitable shoes until you have years of keeping your bees calm!

2. **Not using your smoker.** It distracts the bees and blocks their chemical attack signals!  
   Remedy: Using a smoker will result in calmer bees and less will die than if they are agitated and in attack mode!  
   Alternatives: Essential oil/water mixtures or sugar water in spray bottle. Still keep smoker ready.

3. **Starting with just one colony.** – learn more by comparing, one can help the other.  
   Remedy: Start with two for comparison and management advantages. If one colony is weak, take some brood from a strong colony. Lose a queen in one colony and they fail to make a new one, take eggs from other colony to see if they will make a queen.

4. **Putting hive in unsuitable location** - hard to inspect, stings, unhappy neighbors!  
   Remedy: flat ground; away from home, pool, garden, play space - 10ft radius of unused space.

5. **Assessing colony health based ONLY on the level of 'bee traffic'.**  
   Remedy: Inspect your hive, regularly (weekly, every other week or at least once a month).

6. **Not feeding new colonies.**  
   Remedy: Feed, feed, feed - Stimulates new colonies to build new comb and increase their population. Critical for winter survival.

7. **Leaving out frames or leaving empty supers** - bees make a mess with rogue comb.  
   Remedy: one less frame is OK. Space the frames.

8. **Not recognizing queenlessness.**  
   Remedy: Check for eggs every time: requeen.

9. **Failing to recognize signs of swarming** - you lose half your colony!  
   Remedy: Inspect frequently during swarm-prone months. Look for swarm cells near the bottom. Make sure bees have space to expand – for egg laying, pollen and nectar.

10. **Telling yourself your bees don't have varroa mites!** Don't kid yourself!  
    Remedy: Do regular mite counts and treat, whether with natural practices or additives, chemical treatments, and by trying to introduce hygienic and mite chewing genetics into your stock through queens or feral swarm catching.

11. **Harvesting honey too early or taking too much.**  
    Remedy: not in the first year. Leave 80 - 100 lbs. for winter (one deep frame of honey = 8 lbs., Medium = 6 lbs.)

12. **Being satisfied with a limited knowledge of beekeeping.** Don't be just a BEE-Haver!  
    Remedy: take care of your hives regularly. Keep learning through classes, mentors, clubs, books, documentaries, forums, blogs, OSBA YouTube videos!
OSBA Affiliate Program

http://www.ohiostatebeekeepers.org/associations/osba-affiliate-program/

What is the OSBA Affiliate Program?

OSBA understands the issues facing local associations here in Ohio. Resource demands, financial, volunteer time and effort, etc. to run a successful association continue to increase. Protecting officers and club members with appropriate insurance, completing paperwork and financial statements and effectively communicating information in a timely fashion can all take time away from planning and conducting informational and fun association meetings.

Following the steps to become an OSBA Affiliate can help create a stronger, more financially stable local association. Your board will have more time to focus on the needs of your local beekeeping community.

Benefits include:
- 501c3 status under the OSBA umbrella
- Access to discounted club insurance – Liability and Director/Officer insurance
- Website hosting and assistance with website setup
- Reduction in yearly tax filing paperwork
- Nonprofit status through the OSBA group exemption
- Annual reports to the IRS and Ohio Attorney General
- Directors and Officers Insurance for your Board
- Monthly OSBA Affiliate Newsletter
- OSBA Pollinator Oasis Seed packet fundraiser
- Tech Soup membership (discounted software for club)
- Discounted OSBA Traveling Speaker fees
- Affiliate club discounts to special OSBA workshops

If you would like more information about the OSBA Affiliate Program, please contact: vicepresident@ohiostatebeekeepers.org or treasurer@ohiostatebeekeepers.org

Current Affiliate Clubs

Black Swamp Beekeepers       Northwest Ohio Beekeepers
Fairfield County Beekeepers  Pollinator Sanctuary and Training Facility
Geauga County Beekeepers     of Defiance County
Greater Grand Lake Beekeepers Portage County Beekeepers
Greene County Beekeepers     Richland Area Beekeepers
Guernsey Noble Beekeepers    Sandusky River Valley Beekeepers
Harrison County Beekeepers   Scioto Valley Beekeepers
Lake County Beekeepers      Trumbull County Beekeepers
Maumee Valley Beekeepers    Tuscarawas County Beekeepers
Medina County Beekeepers    Warren County Ohio Beekeepers
Miami Valley Beekeepers

Photographer ~Marlene Boyer
Camera model: Nikon D5100
F-stop: f/8
Exposure time: 1/45 sec
ISO speed: ISO-100
Exposure bias: +0.5 step
Focal length: 165 mm
Max aperture 4.6
Flash mode: No Flash
35mm focal length: 247

Photographer ~Aimee Crane
Camera model: Nikon D5100
F-stop: f/4.5
Exposure time: 1/250 sec
ISO speed: ISO-100
Exposure bias: +0.5 step
Focal length: 72 mm
Max aperture 4.4
Flash mode: No flash
35mm focal length: 108
Bastin Honey Farm
Delivering personal care and attention to every beekeeper!

Indiana’s most complete and largest beekeeping store. Serving everyone from the hobbyist to the professional.

Now selling these great brands and many more!

New competitive shipping rates now available!

Free shipping on most orders over $150.
Exclusions may apply; including extractors, freight shipments, and wholesale orders. Limited time only.

Open Monday-Friday 8 am to 5 pm
Shipping Available
Order online or call

5002 W County Rd 450 S
Knightstown, IN 46148
(765) 987-8385

www.bastinhoneybeefarm.com

Blue Sky bee supply
For Bees. For Honey. For Everyone.

Honey Bottling

Plastic

a. CLASSIC PLASTICS
   8 oz - $19.99/50 ct. Case
   32 oz - $79.99/50 ct. Case
   No Caps

b. DEED EMBOSSED JUGS
   5 LB - $82.95/72 ct. Case
   3 LB - $108.55/126 ct. Case
   No Caps

Plastic Panel Bears
   2 oz Panel Bears - $4.99/300 ct. Case No Caps
   6 oz Panel Bears - $19.99/600 ct. Case No Caps
   12 oz Panel Bears - $119.99/400 ct. Case No Caps
   24 oz Panel Bears - $89.99/196 ct. Case No Caps

Glass

c. GLASS 3 OZ MINI MASON
   $19.99/66 ct. Case
   Gold Metal Lids included

d. GLASS 12 OZ HEX EMBOSSED CYLINDER
   $11.50/12 ct. Case
   Gold Metal Lids included

MUTH JARS
   4 oz - $24.98/80 ct. Case
   8 oz - $13.95/12 ct. Case
   16 oz - $18.95/2 ct. Case
   Includes corks

f. CLASSIC GLASS JARS
   8 oz - $16.95/24 ct. Case
   16 oz - $39.95/12 ct. Case
   32 oz - $103.75/12 ct. Case

Open M-F 8:30AM-5PM | (877) 529-9BEE | WWW.BLUESKYBEESUPPLY.COM

Open Saturdays April 4th - August 29th from 9AM-4PM (CLOSED May 23 & July 4) • 930 N Freedom St. Ravenna, OH 44266
Maumee Valley
The Maumee Valley Beekeepers have been busy transitioning from in-person meetings to doing Zoom meetings. We had to cancel our March meeting and the last beginner's class due to the pandemic. With the help of Jamie Walters, we have switched to Zoom meetings. Our April meeting had our president Roger Myers talk about Spring Management and Swarms. The May meeting featured member Therese Hoehn and her husband Andrew talking about their episode with Andrew's anaphylactic shock incident last summer and the importance of recognizing a systemic reaction and proper first-aid. The Maumee Valley Beekeepers along with the other four clubs in northwest Ohio are preparing for a virtual summer field day in June.

www.facebook.com/pages/Maumee-Valley-Bee-Keepers-Association

BG Bee Group
We typically meet the 3rd Thursday of each month at the Wood County District Office, 18729 Mercer Rd., Bowling Green, OH 43402 from 5:30-7:30pm. For additional information contact Mike Soboleski at 419-494-2226 or email: sobeehoney@gmail.com

Black Swamp Beekeepers Association
As with everything else, we have moved our meetings to Zoom. We have had a great line-up of speakers and presentations with: Roger Myers - Spring Management & Spring Splits, Tim Arhiet - Small Scale Queen Rearing, and Peggy Garnes - Making Overwintered Nucs, for our monthly meetings. Minus the interaction of being at the meeting in person, we are still working hard to keep education and information flowing to the membership.

We had to cancel our in-person field day, but had great time turning it into a virtual event. The 5X Field Day was on June 20th with Black Swamp Beekeepers, Maumee Valley Beekeepers, Northwest Ohio Beekeepers, North Central Ohio Beekeepers and BG Bee Group. This was a 5.5 hour event that beekeepers could log in/out of throughout the day. Mr. Jerry Hayes kicked off the event with his presentation on "Details about Nutrition" and Barb Bloetscher did an amazing job with "Mite Monitoring & Apiary Inspection Program". We drew some raffle prizes for those attending: top hive feeder, hive tools, ProDFM Microbial, bee brush, and a $50 Gift Certificate from Duane Hathaway Apiaries near Deshler, OH. We proceeded with Dave Noble's presentation "Finding the Queen" which has it's own set of skills that everyone should work on. Emily Mueller wrapped up the event with "Staying Ahead of the Bees", that covered management skills, backing with nectar, and swarm control.

We would like to thank our 5X Field Day vendors. We ran commercial breaks with their ads between the speakers. In no specific order: Duane Hathaway Apiaries, Myers Honey, Pure & Natural ~ Roger & Judy, April's Greenhouse ~ April Smith; Carlin Honey - Pure, Raw, Local ~ Andrew Carlin; & Honey Blossom Orchard, Bee Supplies & Educational Seminars ~ Brad Hibbard.

You're welcome to check out our Facebook
www.facebook.com/Black-Swamp-Beekeepers-Association
Northwest Ohio Beekeepers Association
Jumping into technology with internet Zoom meetings and learning as we keep moving on this year. We were able to help continue education with the new beekeeper class and our monthly meetings with speakers from around Ohio. Nina Bagley presented "Spring Splits & Basic Queen Rearing Methods". This was perfectly planned with the season quickly coming upon us. Making nucs, split colonies, and possibly raise a few queens with your great genetics will be things we can do. We were pleased to announce that Dr. Jim Tew will be presenting for May. He has a long history with Ohio State University, The Kim & Jim Show, writes articles for Bee Culture and knowledge of the rich beekeeping history in Ohio.

We helped host the 5X Field Day with other clubs/associations with great speakers & presentations. Keep up with us at www.facebook.com/NorthwestOhioBeekeepers

Pollinator Sanctuary & Training Facility of Defiance County
We have been holding very small hands-on classes for our beginning beekeepers with hive manipulation, adding boxes, alcohol washing, and mite treatments. Everyone received the Honeybee Health Coalition booklet and they are training on working with all of the natural treatments, chemical treatments, and safety protocols with PPE.

Mike Retterer - Coordinating Wildlife Biologist at Pheasants Forever Inc., will be helping us properly plant pollinator mix, plan fire breaks, and learn helpful management tips for our 2.46 acres. Trees are ordered and things are coming together. Facebook page: Pollinator Sanctuary & Training Facility of Defiance County

Erie Basin

Sandusky River Valley Beekeepers
Due to the current restrictions on gatherings we have cancelled our regular meetings through June.

We held a Zoom webinar in May featuring Jeannie LaPierre- Saum of Beepothecary that was very well received. She gave an outstanding presentation on products from the hive and how to make different tinctures for oral and topical usage using propolis. She also provided valuable links to research and recipes for making many products.

Pres. Tom Rathbun has continued to use our newsletter to get information out about what we should be looking for now in our apiaries. He has discussed the importance of varroa mite control and checks including video links. He also included some good information on small hive beetles and ways to control them.

Tom also hosted a small group of new beekeepers who had purchased bees but were not able to take the Beginner Class due to current restrictions. He set up hives in his own apiary that had different sets of problems and showed the group what to look for to diagnose problems and how to correct them. We have also set up a mentor list for anyone who would like some additional help. http://srvba.ohiostatebeekeepers.org/
Ashtabula County Beekeepers Association

The association has shifted its course to online webinars. We have been hosting a webinar series every other Saturday at 10 A.M. titled “Ask a Beekeeper.” You don’t need to be a member to participate. Those interested should e-mail sharon@yahoo.com to be put on the notification list.

www.facebook.com/AshtabulaCountyBeekeepersAssoc/

The 2020 Pollinator Symposium has also moved to a virtual event for 2020. The first event in the series will be Planning Your Own Pollinator Garden – How small actions can have big impact on pollinators. Learn How to layout a garden, where to buy plants and some tips to keep it growing strong! The webinar will be held on June 24, 2020 at 7:00 P.M. The Pollinator Symposium is a joint effort between Ashtabula County Beekeepers Association, Ashtabula County Master Gardeners, Ashtabula Soil and Water Conservation District and Ohio State - Ashtabula County Extension. To register for this webinar or any of the future webinars go to https://osu.zoom.us/webinar/register/WN_L3suqB5ETEiFAPHuFf2lWg

The Geauga County Beekeepers meetings and our Spring Field day have been canceled due to the Coronavirus. We have had successful bee chats on zoom. Dave Shade sets them up and you can go to our Geaugacountybeekeepers.org website to find out how to sign in for our bee chats. Beginners should come with their questions about beginning beekeeping. We all understand how alone first time beekeepers feel when they open a hive and do not know what to look for.

On a positive note the Great Geauga Fair just announced they will hold the fair this year. With that information it will be up to the members to decide how they want to pursue our booth this year. We would want the booth to be as safe as possible and to try to maintain the 6ft. distancing. Much of what we do will depend on the health dept and their guidelines. We plan on trying to resume our meetings using Zoom for officer meetings and member meetings. The pluses to Zoom meetings is members do not have to drive long distances to our meetings, everyone gets a chance to talk and you can enjoy a beverage of your choice.

We plan to try to start Zoom meetings for our members and be able to teach them something about beekeeping. Nothing is definite yet but in the planning stages. One of our beekeepers informed us that after living in a small development and keeping bees for over 3 decades at his house, he home owners’ association told him to move his bees out of the development because his new neighbors were afraid of his bees. One of the
Continued ~ Ashtabula County Beekeepers Association
new neighbor’s daughters even owns bees. So he was forced to relocate his bees which is a lot of work. He negotiated to be able to keep at least 2 hives on his property. I don’t know if there is a moral to this story except maybe try to keep your bees hidden and keep a low profile. www.geaugacountybeekeepers.org

Greater Cleveland Beekeepers
We held our beginning beekeeping classes in the month of February. We welcomed a new group of enthusiastic new beekeepers. Dave Noble was our speaker in March. He discussed how to create an overall ‘plan’ for the beekeeping year and how to use that plan to make monthly and even weekly management decisions. Strategies to change and adapt the plan based on weather and other conditions were presented. As this was our last face-to-face membership meeting we are hoping that it has helped our new beekeepers begin their adventures in beekeeping. With the restrictions imposed by Covid-19 we are making plans to connect with our club members with virtual meetings. We hope to have information posted on our website soon. So, in the meantime, stay well and enjoy the bees. www.greaterclevelandbeekeepers.com

Summit Beekeepers
Has been fortunate to have a very tech-savvy President, Robert Najjar, who set up our remote meetings using Zoom. Peggy Garnes was our first speaker and gave us great information about what to expect as our hives come out of Winter. Hillary Kierny of Girl Next Door Honey in California, spoke about swarming. Using this technology, we were able to show our new beekeepers how to install a package at the Club’s training apiary at Crown Point in Bath, Ohio. We recently had John Rose speak to our members on mite management. Our next remote meeting will feature Emily Mueller who will be speaking on inspecting your hive. Our Vice President, Randy Katz, set up a mentoring program pairing new beekeepers with seasoned beekeepers in their area. The Club was fortunate to receive several packages of bees and nucs and a full hive from a generous donor. We held a raffle for our members and gave away two of the packages and the hive. The remaining packages and nucs were distributed to beekeepers who may not have been able to get bees this year. Please visit our website at www.summitbeekeepers.com and Summit Beekeepers Facebook page for upcoming events.

Portage County
Much like many other bee clubs, we are working to find ways of dealing with Covid-19 restrictions. Our Field Day in April was certainly not the norm. The typical in-person conversations with members, great food, in-person hive inspection, and open doors to the public could not happen this year. However, one of our club apiary managers had his wife film a hive inspection of the club apiary and we used that as a way to engage the membership for a modified Field Day.

For our May meeting we used a Zoom account we opened to hear about fair entries. While most fairs will likely not happen as usual, this should provide members with an opportunity to prep some of the honey products this year for a 2021 entry. These remote meetings certainly have had an impact on our membership participation, as we have seen a significant decline in members participating in the web meetings. In addition, our board has felt sorry for all the beginning beekeepers that went through our classes in February. Several of our board members took the initiative to do additional outreach to them, but again, I don’t think remote instruction with beekeeping is anywhere as useful as in-person learning and education. Fingers crossed that we get through this challenge quickly. https://sites.google.com/site/portagecountybeekeepers/
Lorain County Beekeepers Association

Has been busy despite the difficulty with meetings. Thanks to our resident AV technician, Mike Yuhas, we were able to complete our Beginners Beekeeping Classes through Zoom Meetings. Congratulations to the 75 new beekeepers that were recently introduced to Lorain County. Our May meeting was another Zoom broadcast with Barbara Bloetscher from the ODA speaking on “The Varied Aspects of the Apiary Inspection Program Regarding Benefits to Beekeepers and Their Bees.” The meeting introduction was done by the Mad Hatter himself, Denzil St. Clair and enjoyed by all. Our June meeting will be a Hive Inspection followed by a Question and Answer session held at our Memorial Garden Apiary. Everyone is invited to attend with their PPE and lawn chairs. In July we are looking forward to Scott Barnes speaking on “Commercial Beekeeping & Pollination.” We are keeping our fingers crossed for the go-ahead with our county fair.

Our good news has been that Wellington, our county fairground location, has received their resolution designating the Village of Wellington as a Bee City USA affiliate! We will be known as “Bee City Wellington.” We are patiently waiting for social gathering bans to be lifted so we can have our official induction ceremony. LCBA would like to thank Sheila St. Clair, Bren Leiby and Randy Leiby, along with the Mayor of Wellington, Hans Schneider, for pursuing this goal. Congratulations to Wellington for the city recognition.

www.loraincountybeekeepers.org

Medina Beekeepers

Medina Beekeepers are presenting online and Zooming! The remainder of the Beginner Classes were completed online with Microsoft 365 and the May club meeting was Zoomed in with Dr. Tracy Cook on herbs. The club is still waiting on the decision on a Fair this year. Hopefully, the Medina County Fair Board will have an answer soon as July is quickly approaching. “To Bee or not to Bee” that is the burning question…

Swarm chasing has begun in earnest – from removing swarms that hang in a tree, to getting them off a building or off a car bumper. The extreme temperature swings and rain in our area are keeping members on their toes. We are all learning the technology curve and moving forward with our beekeeping skills. Still hoping summer is better than this spring.

www.medinabeekeepers.com
COBA

Has turned its First Year Bee Yard into a Facebook mentoring program for the 2020 season with two main programs: “Wednesdays with Winnie” and videotaped inspections from COBA mentors. Winnie Williams, Queen Bee of the First Year Bee Yard, provides specific information about fundamental beekeeping practices geared to novice beekeepers, but also helpful to more experienced beekeepers. In addition to Winnie’s written guidelines, five COBA mentors & their families have each volunteered to keep one “teaching hive” and to videotape their weekly inspections. From the first steps of package installation into new equipment, the COBA mentors lead their viewers through the inspection process. They show and talk about changes in the hive and what the next steps should be. COBA members use the open forum of FB to ask questions, make comments, and bring up the unique situations that they are encountering as the bee season progresses.
The East Central Ohio Beekeepers haven been adapting to the COVID-19 restrictions by providing speakers and live beeyard demonstrations via ZOOM conference. Our Association recently had speakers Dr. Meghan Milbrath from Michigan State University make a presentation on sustainable beekeeping, and John Schwartz made a presentation on On The Spot Queen rearing. Our Beeyard Captain, Cathy Dixon, has been doing a bang up job making live presentations from the beeyard, and, if the weather is inclement, having a Q&A session via Zoom conference for our new and second year beekeepers.

As always this time of year, our members have been chasing swarms, which began fairly early in April. Most of them have been easy pickings, as you can see!

In order to try and have some fun with the COVID-19 restrictions, we also started a Show Us Your Mask post on our Facebook group. Some great photos have shown up!

ECOBA is also working closely with Infirmary Mound Park in the Licking County Parks District to build and display for the public an AZ hive setup. Anyone who would like more information on this can contact our current Association President, Tim Elliget, at tim@ashbeefarms.com.

We have some members being pretty creative with their hives...take a look!

Annual dues and new membership sign ups remain in full swing. Renew your dues, or become a members by clicking on the renew dues link at www.e-coba.org.

Our Upcoming schedule and speakers are:
ECOBA Board Meetings - currently the first Tuesday of the month beginning at 6:30 PM, thru May then switches to the first Monday of the month for the remainder of 2020.

ECOBA monthly membership meetings - held the 3rd Thursday of the month beginning at 6:30 PM. Upcoming speakers include Jeannie Saum on AZ hives; Blue Sky Beekeeping supply on using wax products for skin care, makeup, body care, candles and other products; and local queen producer Nina Bagley. Schedule and speakers are currently subject to change based on COVID-19 restrictions.

All meetings are held at Taft Reserve South, 10383 Fairview Rd SE Heath, OH 43056. Alternatives during COVID-19 will be via ZOOM conference, and are open to current members and first year students.

Our teaching beeyard will open, weather permitting, each Thursday during season. Alternatives during COVID-19 will be via ZOOM conference.

We are crossing our fingers that our Annual Picnic and Educational Scholarship Auction will be held in July. We remain focused on information from the Governor's office. This is one of our largest fundraisers for our educational division of the Association, and will be held on July 18 (we hope). We have seen it all brought in by our membership to auction off, from nucs to hive equipment; honey mead, wine, custom coolers and cornhole games; homemade goodies, plants...you name it! We are excited to see what this year brings! We will be discussing alternatives to the auction during our June board meeting.
Continued ~ ECOBA
Our association will also be discussing alternative ways of engaging potential beekeeping school students if our county fairs cancel or are tightly limited. The fairs bring in the bulk of our class sign ups. We would like to hear from other beekeeping associations on their ideas for recruiting new students and members due to the COVID-19 limitations on mass gatherings, public speaking events, and large local events. Send us your ideas and suggestions to info@e-coba.org.

We leave you with this quote: "A Bee is an exquisite chemist." ~Royal Beekeeper to Charles I

Fairfield County Beekeepers Association
While the Corona Virus hasn’t affected our beekeeping, it certainly has affected our Bee Clubs! Fairfield County Beekeepers Association was fortunate to be able to get our New Beekeeper Classes finished before the quarantine hit. Plus, we had just done a Zoom Meeting with Randy Oliver from California, for our February in-person club meeting. Little did we know that trying out this new way of doing club presentations was going to prepare us for what was to come!

Due to the virus, we had to cancel our March meeting and Build Day. We still had to figure out how to pass out ordered woodenware and nucs and how to support our new beekeepers. We were able to pass out 27 hive kits and 40 nucs in a parking lot, using social distancing and masks. We provided a written how-to for building equipment and referred our new beekeepers to the OSBA videos on building equipment.

We solicited 20 club members to be phone mentors for our 40+ new beekeepers. Then we assured our new beekeepers that they could “do this”, recommended they watch the installation videos over and over, and crossed our fingers! Our new beekeepers rose to the challenge and successfully built their equipment, installed their bees and have done inspections on their own! We are proud of their persistence during this time of separation.

Once we realized that restrictions on gatherings were not going to go away anytime soon, we decided to proceed with Zoom meetings for our board and club. With the help of Jamie Walters (OSBA Newsletter Editor and Maumee Valley Regional Director), we have been able to have Zoom meetings with presenters for our April and May Meetings. Dwight Wells continued his teaching on Swarm Trapping Feral Bees, in April. Barb Bloetscher did a presentation on - What to inspect from Your Inspector, Mites and Feeding - for our May meeting.

Since we can not use our bee yard for teaching new beekeepers at this time, members are going to video tape their hive inspections and post on our club YouTube Channel. One member will start a new hive with a swarm to mimic a new hive and video tape to show new Newbees what they might see in their new hives.
Continued ~ Fairfield County Beekeepers Association

We are using our Facebook page and website to keep our members informed of club offerings and other opportunities for learning like OSBA’s Sunday Webinars. Our Facebook page has become a popular place for members to post successes, swarms captured, ask questions and get answers. We post monthly, “What to Do in Your Hive This Month” articles. We allow non-members to join our Facebook page as an outreach. Surprisingly, we have gained 8 new members during this quarantine time, by people seeing us on Facebook and then joining by using our Square store site, online! We are now up to 146 members with just a year and a half under our belt.

Social Media and virtual meeting capabilities have helped our club stay connected. We plan to continue to reach out and support each other using these technology tools until we can meet again, in person. Missing our beekeeping friends, but grateful that we can still connect!

Knox County Beekeepers

The Knox County Beekeepers Association has not had in-person meetings due to COVID-19. We have been busy, however.

We held a beehive auction of a fully built and painted (by one of our artists) beehive with all proceeds going to the Montana de Luz Charity helping rural children in Honduras. Jordan Miller one our clubs more experienced members put together a great tip sheet on swarms. We made our first attempt at virtual Zoom meeting with Dr. Meghan Milbrath, Extention and Research Specialist, Michigan State University Entomology Department, presenting information about Swarm Prevention and Making Splits.

The Black Locust honey flow in our area is strong and colonies are doing well. [www.knoxbees.com](http://www.knoxbees.com)

Scioto Valley Beekeepers

During the State restrictions on public gatherings, Scioto Valley Beekeepers has not met. However, participation has increased on the Scioto Valley Beekeepers roundtable Facebook page. The page, only available to members, is moderated and allows members to ask questions and to share experiences. Plans are being developed for a summer picnic in July with Bee Culture editor Jerry Hayes as the guest. [sciotovalleykeepers.com](http://sciotovalleykeepers.com)

Crossroads

Tri-County Beekeepers

News from Tri-County beekeepers? - well with the Sars/Cov2 thingie we have not been able to meet, but it has become obvious that the club is more than a cookie and a speaker. Two of our members Randall Westfall (our workshop chair) and Joe Heider (Regional OSBA representative) made the trip with me to bring packages back from Georgia in spite of the pandemic risks. Interstate travel during a global shutdown is not as much fun, but these two understood the need to replace bee colonies that had been lost over winter and to help with pollination and share a sense of community responsibility that is prevalent among our members.

As is the case with many my reaction to the pandemic/shutdown was shock – never would I have guessed in my lifetime that we would be closing meetings, churches, restricting shopping etc. As a result of this shock we did nothing for the April meeting but then one of the directors Lloyd Horst emailed a few weeks ago and recommended that we do an online directors meeting. In that meeting the directors decided to do our first online meeting in May with the help of OSBA’s traveling speaker program. Our OSBA president Peggy Garnes offered this solution until we can get our zoom account all set up for future meetings.
Continued ~Tri-County Beekeepers

On a personal note, I tore my hamstring and am going to have surgery – I put out the word that I needed some help in my bee yard and again the call was answered when Peggy Garnes and Mike Gahan showed up to help me mark queens in overwintered nuc’s that were being picked up in a few days. I am overwhelmed by generosity comradery shown by members of our bee club. It’s definitely more than a cookie and a speaker. Find us at tricountybeekeepers.org

Miami Valley

Greene County Beekeepers Association

Not missing a beat, Greene County Beekeepers Association Zoomed forward by continuing to provide quality education during this period of shelter in place. GCBA members enjoyed presentations on Swarm Tips and Tricks, Queen Rearing, Nucs for Swarm Control and more this quarter by local and national speakers such as Dr. Meghan Milbrath, and Tim Arheit from Honey Run Apiaries. The club is offering “plus” meetings along with the regularly scheduled meetings on the third Tuesday of each month. www.gcbeekeepers.com

Clinton County Beekeepers

Corey Buckley www.buckleyfarm@yahoo.com
Rich Stewart beewildhoneyfarm@gmail.com

Southwestern Ohio Beekeepers

www.swohiobeekeepers.com

Warren County Beekeepers

Regular meeting place, Lebanon Presbyterian Church, is actively working to develop protocol for cleaning and disinfecting their facilities between each group that meets there. We hope that we will be able to keep our regular meeting time of Sunday June 14, 2020 at 1:30. Discussion has also been on the table for a Zoom meeting. Once we know the details for either or both of these, we will post them on our website and Facebook, so stay tuned! https://warren.ohiostatebeekeepers.org/

Ohio Valley

Gallia County Beekeepers Association

Has continued to meet via Zoom. Our last 3 meetings have been held via Zoom and were recorded and posted for those that could not attend. We are in the process of planning to return to face to face meetings in June. Our 4-H Youth Hive participants took delivery of their hives. We have 3 participants in 2020 and are looking forward to hearing their monthly updates. Even though we are in the midst of a pandemic, beekeeping goes on. We are doing what we can to support each other and our beekeeping community. Weather this year has proven to be challenging to say the least. Early queen mating was an issue for us with the weather and as soon as the weather broke, swarm season came on very strong. Learn more about GCBA on their Facebook page at https://www.facebook.com/groups/2317700341608048/
Brown County

The Brown County Beekeepers are always eager to share their knowledge and experience with others. Two of our members were honored to be guest speakers at the 11th Annual Northeastern Kentucky Beekeeping School in Maysville, Kentucky, which is well attended by our membership. Lake Lorelei Women's Club had a better understanding of beekeeping after hearing the program on, "An Introduction to Beekeeping". The April meeting of the Warren County Beekeepers featured one of our club members giving a program on "April Beekeeping Tasks".

The club's meeting on March 10th gave us an insight of what was to come in the following weeks. Our scheduled speaker, a member of the Ohio Department of Wildlife, called the afternoon of her program to cancel because of recent guidelines issued to state employees to limit their contact with the public. On short notice, our club president, Chris Dresel, covered the topic for the evening with his program on "Gardening for Pollinators". The large crowd of beekeepers and horticulturalist thoroughly enjoyed the presentation.

In spite of cool wet weather in our area recently, calls from the general public about swarms and bee removals have been plentiful. On one recent day, the swarm coordinator in our club fielded 11 calls from the public about swarms on their property.

Meetings are held the second Tuesday of each month at 7pm in the Community Room of Western Brown HS in Mt. Orab. Visit us at browncountybeekeepersassociation.org or https://www.facebook.com/browncountybeekeepers/?rc=p for upcoming educational speaker information.

Adams County Ohio Beekeepers Association

Meetings start at 7pm every third Thursday of the month at the Bible Baptist Church on 41 in West Union. For information visit: www.facebook.com/Adams-County-Beekeepers-Association-214316711916893/

Highland County Beekeepers Association

We are hoping to resume in person meetings this June. Meetings are held at 7:00pm, the third Tuesday of the month at the Highland County Administration Building downstairs.

Buckeye Hills

Guernsey Noble Beekeepers

Events/Happenings: On May 4th, the Guernsey Noble Beekeepers held a Zoom Meeting with 20 members attending on-line. Ben Nichols, ODA, Noble County Apiary Inspector presented an update in references to the inspection process due to Covid-19. Jim Smith who has been very successful with swarm traps, gave an update on the latest news from his traps. Darren Leach, the largest Apiarist from our club, gave remarks about the work and latest trends in his Bee Yard. For more information about the Guernsey Noble Beekeepers visit our website at: www.guernseynoblebeekeepers.com.

Tri-State Beekeepers Association

With all of the uncertainty in the world, we are refraining from scheduling fall meetings until a clearer picture is seen. As meetings are scheduled they will be posted on this site as well as the Tri-State Beekeepers Facebook page. We regret canceling for now but promise to reschedule with a worthwhile agenda. If you have any questions, you can always contact us at tristatebees@gmail.com. www.tristatebeekeepers.com

Athens County Area Bee Association

Meetings are currently on hold. To stay in touch with members of ACABA and other beekeepers, we invite you to join us on Facebook. http://athensbeekeepers.org/
Spring greetings from the Mid-Ohio Valley Beekeepers’ Association. Our hope is that everyone has weathered this pandemic and spent time with their bees, where social distancing is not required. This sure has been a crazy spring. MOVBA’s 2020 Honey Bee Expo was a success with a record crowd. Special thanks to Dr. Jim Tew for his contribution, even though I later found out from his article in Bee Culture Magazine, he was having throat problems; nothing serious I hope. We had a few glitches with some audios and videos, but after some delays, programs were presented. Special thanks to those speakers for putting their presentations together and sharing with the attendees. We are still planning to hold the 2021 Expo with Jerry Hayes, editor of Bee Culture Magazine, as our keynote speaker. That date is Saturday, January 30, 2021. I am extending an invitation to Ohio members to contact us if you are interested in being a presenter a one of our Expos. Contact can be made through our web page: movba.org or Facebook Mid-Ohio Valley Beekeepers.

March saw a few of our members attending the Tri-County Beekeepers’ Spring Conference in Wooster, Ohio. Unfortunately, the WV Spring Conference had to be canceled. I know the planning committee had put a lot of hard work into the organizing this conference.

Now on to beekeeping. I, along with other club members I’ve spoken to, have seen a problem with queens not getting mated or not returning to the hive altogether. With the uncertain weather, their window of opportunity may be compromised. Drones are not the problem, as I seem to have a record number of them in my colonies. Spring build-up of colonies has been great, which leads to problems of swarming. Even with splitting of hives, pulling brood, adding space and weekly inspections to remove queen cells, colonies may still swarm. One thing I did experience, was leaving more than two capped queen cells in a hive resulted in multiple swarms with virgin queens, even though the mother queen had been removed in a split. The notion of the first queen emerging killing the remaining cells is in the case of emergency or supersedure. With swarming, a colony will attempt to insure their chances of success by multiple swarms, sometimes with multiple queens.

So in closing, reach out to new beekeepers as many of our club meetings have been canceled. They have invested money and time in starting a new hobby. So keep your smoker lit, and your hive tool sharp.

Would you like to have your club/association posted in the next quarterly newsletter? The October edition deadline is September 1st. Contact Kelly Morse - newsletter@ohiostatebeekeepers.org

Fig. 2. - This is not a gang of highway robber but a meeting of beekeepers wearing "flu" masks. At Visalia, Calif., where there was held a short course in beekeeping, the influenza was so bad that masks were required to be worn indoors where there was any crowd. In one respect this was one of the most remarkable gatherings of beekeepers ever held in the history of beekeeping. The attendance at this meeting would have been much larger had it not been for the "flu."
This quarterly report is all about the actual beekeeping process including both the good events and the struggles of maintaining a hive. Since all the equipment was prepared the only thing left to do was wait for the day to pick up the packages of bees.

The whole experience started April 11, 2020 this is the day I went to pick up my bee packages from Jeff's house which is the Knox County Beekeepers Association's President and owner of My Bee Supply LLC. Once I got home, I went out to the already prepared hives with all my tools and installed my bees which were Carniolan bees. This day we decided to install the packages, I did not have very good weather conditions, the conditions included cold, windy, and below freezing at night. About 4 days later after we installed the packages, which was April 15, 2020, my blue hive is taking lots of feed and we talked to Jeff because I was concerned that hive 251 (yellow) that was not taking food, so I cut slits in the feeder lid to make the holes bigger. The next day the yellow hive or hive 251 was considered dead the cause of death was starvation or they got to cold. A couple days later we talked to Jeff and he gave me another package of bees which I installed into yellow hive. These bees are Italians. These bees were more active than the first set of bees that I got prior and the weather was partly sunny and warmer than the first installation.

In May each hive had about 4 frames of brood. In the blue hive I saw the queen. I also saw bees collecting pollen in both hives and both hives had larvae and young brood. The yellow hive had more comb drawn out than the blue hive and I had blue hive longer than the yellow hive. On the 17th we added another box to the blue hive, but the yellow hive was slow. On May 31, 2020, we checked both hives. The yellow hive was still really slow the bees had not even filled the first box. I worried about this hive because I did not spot the queen and there were no eggs present. There was a queen cell we left and one queen cell was opened. On the other hand, the blue hive is really strong. The newest box that we added had 1 honey frame and 2 brood frames. The bees are working hard to draw out the comb. Also, the bottom box is full with 2 full frames of honey and 6 frames of really good brood including eggs and larvae. This was a good day to check the hives because the weather was sunny and cool.

The last date I recorded in my reports was June 7, 2020. On this day we added another box to the yellow hive or hive 251. This hive is still very slow, little brood pattern, but putting away a lot of pollen. For the blue hive or hive 299 we added another box. This hive is really strong with lots of brood and is drawing out a lot of comb. This was a really good day to check on the hives because the weather was sunny and mid 70s.

Overall, I feel like my hives are doing very well. My yellow is a little slow but I did install that package of bees later than the blue hive. I also look forward to the rest of summer with my hives and can't wait to see how much honey they produce this year.
I am having so much fun with my bee hives. It is so neat to see the different personalities of each hive. I started with 8 hives total and now I’m down to 7. One of my hives foraged where there was pesticide and that hive collapsed. The remaining 7 are doing well. All of them have two deeps on them and one super. I had one weak hive with a queen that seemed to not be laying as fast as the others. It seemed like the worker bees were not being directed at all. So I put my weak hive in the location of my really strong hive and put my strong hive in the spot where the weak hive was. After a couple of weeks the queen has laid eggs in every brood frame and this maneuver seemed to get her going. Both hives are now strong and doing very well. I have observed the bees bringing pollen in and it is really neat to see bright yellow, orange and even red pollen on the bees legs. I check my hives once a week on Saturday and they all are calm and busy hives.

When I got my bees on April 11th, 2020, I received 2 packages, I soon realized that I was now in charge of 20,000 bees. Since I already had the boxes set up, I felt prepared to bring them home. Once they were in the boxes all I could do was put in the sugar water and wait for them to release the queen. Within a day, the queen Sable was out, but Babel took a little bit longer. I noticed that the comb went from white to yellow after the dandelions started to bloom, which was really neat. In no time I started finding brood, eggs, larvae, and pupae. The hive is so busy, it is a very exciting time and I am very lucky to have front row seats. Speaking of lucky, I just want to mention how grateful I am to the OSBA and the Knox County Beekeepers Association for giving me this amazing opportunity, to the people in my community for planting more bee-friendly plants and to the followers of my Facebook “Bee Pals Ohio”. I can not wait to see what progress I can report next time! Bee safe!
Enjoy some bee friendly fun!  

**Pioneer Beekeepers - Nina Bagley**

**ACROSS**
3. He saw Wilbur Wright fly the first complete circle in an airplane.
4. He began selling package bees and hives locally under the name Gulf Coast Apiaries.
9. She wrote over 180 papers, articles, and books, many when she was in her 70's and 80's.
11. The founder of commercial beekeeping.
13. He is considered to be the father of commercial queen rearing.
14. This genus was named in her honor (Bettsia)
15. This British beekeeper propagated the idea of using thymol.
16. He published the American Bee Journal until 1896.

**DOWN**
1. Through his "observation", he discovered that the queen bee did not mate in the hive.
5. On October 5, 1852, he received a patent on the first movable frame beehive in America.
6. He patented a removable, standardized aluminum honeycomb.
7. He discovered that drones are produced from unfertilized eggs.
8. This single invention greatly improved the efficiency of honey harvesting.
10. He invented the bee smoker in 1873.
12. Fifty Years Among the Bees.
17. Developer of the Buckfast bee.

---

**Precious Stone Honey & Supply**

740-988-8860  
email: rubyfamilyfarms@gmail.com  
Facebook: @preciousstonehoney  

Southern Ohio's Exclusive Kelley Beekeeping & Mann Lake Dealer

Local Raw Honey • Package Bees • Woodenware Foundation • Frames • Medication • Feeders  
Queen Rearing Tools & Accessories • Books Tools & Accessories • Protective Clothing  
MUCH MUCH MORE!

We will gladly special order any Kelley or Mann Lake item!

10% discount to all members of OSBA!

Call for shipping quotes.

Discounts available to Sideliners & Commercial Bee Keepers.

Pick-Up available by arrangement 7 days a week.

Order online: [www.preciousstonehoney.com](http://www.preciousstonehoney.com)
WHEN IT COMES TO BEE HEALTH, LEAVE IT TO THE PROS!

Pro Health
Created with essential oils, Pro Health is a feeding stimulant that promotes healthy, vigorous hives and aids in the overall health of the bees. It can be used during late fall, early spring, and dears of nectar. Use as a spray to stimulate bees to draw out new foundation faster.

Volume | Item No. | Price
--- | --- | ---
Pint | FD350 | $29.95
1 Gallon | FD351 | $134.95
5 Gallons | FD352 | $399.95

Pro-Sweet
Unlike sugar water, our Pro-Sweet has both binomial (bees treat these like nectar) and monomial sugars (bees treat these like honey). It not only stimulates the bees, but helps them put on weight. Pro-Sweet won’t crystallize or ferment like sugar water.

Volume | Item No. | Price
--- | --- | ---
2-1/2 Gallons | CN076 | $44.95
5 Gallons | CN075 | $79.95

ProDFM
A safe, beneficial option for strengthening your bees immunity, ProDFM is a Direct Fed Microbial formula that acts as a natural restorative in bees' digestive tracts via healthful bacteria. Using ProDFM will help boost winter survival rates at a time when bees can be especially vulnerable.

Weight | Item No. | Price
--- | --- | ---
3.52 oz | DC144 | $17.95
2.2 lbs | DC145 | $49.95
22.05 lbs | DC143 | $399.95

Kelley Beekeeping
SERVING THE BEEKEEPER SINCE 1924
1-800-233-2899
www.kelleybees.com
No alcohol for mite washing? Here’s an alternative.

Beekeeper-supported Research Update by Randy Oliver

Since alcohol is in short supply, I've been asked by many beekeepers what they can use for monitoring varroa. Although my current series on mite washing will be getting to my testing of various liquids, allow me to give a brief preview of one of my findings.

Dawn Ultra detergent (to date I have data using the clear "Lemon essence" product) works very well for mite washes, on par with 91% isopropyl, better than 70% isopropyl, and much better than 0°F windshield fluid. Disclaimer: I have no connection with, or interest in, the manufacturer of Dawn dishwashing liquid.

Dilute to 1-2 Tbl per gallon of water. A weaker solution is less efficacious, and there is no benefit to making it stronger. Allow the bees to soak in the solution for a full minute before agitation, by which time most of the mites will have dropped to the bottom of their own accord.

Final agitation should be a swirl action, with no up and down shaking. Little agitation is required for basic mite monitoring (as opposed to hard data collection).

For counting after agitation, a wonderful trick that I've found is to make a stand to hold the mite wash cup 4 inches above the face of a 6-inch diameter, 10x magnifying mirror (makeup mirror) placed horizontally below the cup. 10x is the best magnification, and 6" dia the best size. Looking down, this gives you a greatly enlarged view of the mites (you can see their legs) and makes counting a piece of cake.

http://scientificbeekeeping.com/

OSBA “Save the Honey Bee” License Plate

This plate brings public awareness to the importance of honey bees and beekeepers, and provides funding for OSBA projects relating to research, education and outreach. Just go to www.oplates.com when you renew your plates. Under specialty plates, listed as “Ohio Beekeepers”.

What will your plate say? https://services.dps.ohio.gov/BMVOnlineServices/VR/Availability/Pasenger/Check

Currently available at: www.mdasplitter.com

INTERNATIONAL MATING NUC, INC © 2016
Ohio Partnership Program - 2021

The Ohio State Beekeepers Association supports new young beekeepers through our Ohio Partnership Program. We realize that success of a new beekeeper is not reliant on the work of the student and money alone, but by the effort of a partnership. Thus the Ohio Partnership Program encourages participation of the guardian, student, local association and mentor. 4-H/FFA applicants will be participating for 2021.

10 selected applicants (5 from 4-H and 5 from FFA) will receive:
- Woodenware and tools for two hives
- 1 year membership to OSBA
- Free admission to the OSBA Fall Conference
- Beekeeper Training DVD
- 1 year subscription to Bee Culture
- and more!

Important Dates:
- August 1st, 2020 - Applications and program information will be available.
- November 2nd, 2020 - Application deadline.
- December 5th, 2020 - Winners announced.

This program is open to members of 4-H/FFA, in school, between the ages of 12 and 18.

www.ohiostatebeekeepers.org/opp

For full program requirements and instructions, visit our website:
www.OhioStateBeekeepers.org

Questions, contact the Ohio Partnership Program by email: partnership@ohiostatebeekeepers.org or call 419.438.7335

Stay safe and show others by example: always light your smoker, put on and zip that veil, wear those gloves, and be ready for the worse and hope for the best!
A New Beekeeper’s Best Friend!

4 Information Packed Issues Featuring:

- Beeyard Choices
- Building Frames
- Dealing With Laying Workers
- Mentors
- Drones
- Controlling Varroa
- Summer Swarms
- Beekeeping In The Far South

Plus Much, Much More!

Bee Culture’s BEEKeeping
Your First Three Years

The Industry’s Leading Experts Guide You Through Your First Three Years As A Beekeeper!

Visit Us At www.BeeKeeping3.com To Start Your Subscription Now!
The Ohio Master Beekeeper Program is an intensive 3 step program – A beginning/Apprentice level, a Journey (man or woman) level, and a Masters level. Certification by OSBA is designed to give participants the opportunity to increase their beekeeping knowledge. OSBA will provide certificates to all individuals who complete the requirements for each individual level. Instruction will be provided through a number of class/seminar/workshops certified by OSBA. Not sure where to find the procedures and paperwork. Go to: https://www.ohiostatebeekeepers.org/wp-content/pdf/MasterBeekeeper-Rules-and-Procedures-Manual.pdf to open/print the 45 page .pdf document. We are actively seeing a chairperson for this program.

Want to become a Certified Apprentice Beekeepers? (Section 8) (PG 43 & 44)

8. OSBA Certified Apprentice Beekeeper

8.1. Requirements for completing the Apprentice Level
1. Must submit the Application for Enrollment in the Apprentice Level and application fee.
2. Must complete one (1) of the following:
   a. Completes a beginning beekeeping course offered by a local beekeeping organization of at least (6) hours. The class may be given on one day or over a period of multiple days.
   b. Belongs to a local beekeeping association and has attended meetings regularly for two (2) years. An executive officer of the local association must attest that the student attended the majority of meetings on the application for the completion of the apprentice level.
   c. Completes nine (9) hours of approved beginning beekeeping classes not sponsored by a local beekeeping organization in Ohio. The class may be given on one day or over a period of multiple days.
   d. Has practiced beekeeping for more than 2 years and have demonstrated experience and knowledge of beekeeping. Student will be required to document their experience on the Apprentice Level completion form.
3. Must have managed their own hives for at least 3 months.
4. Must pass a field beehive inspection test.

Note: While you must be a member of OSBA when you submit your application for the Apprentice level, you may count beginning beekeeping courses, general beekeeping experience and membership to your local association that occurred before becoming a member of OSBA. Submitting an OSBA membership form at the same time as your application for the Apprentice level is acceptable.

8.2. Field Beehive Inspection Testing
The field beehive inspection may be taken after completing the rest of the Requirements for Completing the Apprentice Level above. The specific testing requirements and instructions are listed in the Field Beehive Inspection Testing section. The Field Test is a one-on-one test. There will not be any other participants in the apiary during the test.

8.3. Completing the Apprentice Level
After completing all the above requirements, the student must submit the Application for Completion of the Apprentice Level. The MBP Chair will review the application for Page 6 completeness and to ensure the application has completed all requirements of the Apprentice Level. Upon acceptance of the application, a certificate certifying the student is a Certified Apprentice Beekeeper shall be issued.

Back to Basics

Frame identification RED, GREEN, BLUE?
On The Ballot
Saturday, November 7, 2020

Constitution

Vice President

Secretary

Region Director for Buckeye Hills

Region Director for Crossroads

Region Director for Western Reserve

This year OSBA members will be voting for changes to the constitution and elections for Vice President - 2 year position, Secretary - 2 year position, and 3 Regional Directors - 3 year positions. The duties of each office are included in the OSBA By-Laws. If you have questions about any of the OSBA Board positions that are available, please contact President Peggy Garnes president@ohiostatebeekeepers.org or pgarnes001@gmail.com.

If you are interested in having your name on the ballot, applications must be filled out and returned by August 31, 2020.

There are positions available each year for Regional Representatives in each region. Please contact your Regional Director, Representative, or any of the OSBA Board members for more information. We welcome any volunteers to help with any of the committees, OSBA Board, or in their Regional Districts.
The OSBA Constitution Committee has been working on revisions to the constitution since April of 2019. The constitution has not been revised since 2014 and needs to be updated for clarity and to match our current practices.

The intent of revision is to make sure the constitution accurately reflects current practice, eliminate conflicts and organizational problems that have been encountered, bring it up-to-date, and clarify roles, responsibilities, and procedures more clearly. The committee looked at constitutions from other state beekeeping organizations, the Ohio Revised Code (ORC) laws for nonprofits, and Robert’s Rules of Order (RRO), as well as other suggestions put forth.

After many, many revisions, the OSBA Board of Directors came to consensus and endorsed a final copy of the constitutional revision in late 2019.

Some of the proposed changes include:
* Language required by the Ohio Revised Code, since we have become a 501(c)(3).
* Language covering the provisions for local clubs to come under OSBA’s nonprofit status as Affiliates.
* Changes to the governance structure – making it more of a shared decision-making and shared-governance structure.
* Revision of the leadership requirements.
* Revision to the way Regional Representatives are chosen, giving more representation of club members in this decision.
* Language for handling conflict, disorder, and removal (as recommended for all organizations whether for profit or nonprofit)

This revision proposal will be presented to the membership for a vote at the 2020 November Membership Meeting during our OSBA Virtual Beekeepers Conference. A copy of the Constitution Revision will be sent with the October Newsletter for your review. PLEASE BE PREPARED TO READ IT THROUGHFULLY SO YOU ARE PREPARED TO MAKE AN INFORMED VOTE. Great organizations are built on the foundation of an effective constitution.

---

**LIVE WEBINAR TRAINING**

We created a new web page that has all of the information you asked for. Go visit [www.ohiostatebeekeepers.org/live-webinar-training/](http://www.ohiostatebeekeepers.org/live-webinar-training/) or click on "Training Events" and scroll down to Live Webinar Training.

You will find: the upcoming speakers line-up till December 13, directions on how to register for live events, directions on how to join the presentations, webinar etiquette, technical support and YouTube links to past presentations.

In return, we would like to ask for your input. What type of speakers & presentations would you like to see in the future? Please visit [https://www.surveymonkey.com/r/WTDLB9J](https://www.surveymonkey.com/r/WTDLB9J) to take a 2-minute survey. Thank you in advance...
Join the University of Florida, Institute of Food and Agricultural Sciences (UF/IFAS) Honey Bee Research and Extension Laboratory for our very first 2020 Summer Virtual UF/IFAS Bee College! Imagine FIVE Saturday mornings in August 2020 of all things honey bees. Those new to beekeeping can follow the beginner track, while more experienced beekeepers can participate in sessions focused on honey bee stressors and other advanced topics related to beekeeping. Speakers include UF/IFAS faculty, staff, students, members from the Florida State Beekeepers Association, specialists from Bee Informed Partnership, and other honey bee specialists around the world! Participants can choose to attend one session or all five as a “Package Deal” for a reduced fee. Register for the “Package Deal” or for each session separately—whatever works best with your schedule. Please note: spaces are limited per “meeting room”. Each class will be on a first come, first serve basis. If a meeting room is full, you will need to log into another track.

http://entnemdept.ufl.edu/honey-bee/extension/events-and-activities/bee-college/

-$35/session/person  -$150 for all five sessions/person (“Package Deal”)  

-10% discounts available only when purchasing the “Package Deal” to active duty military members, Retired Veterans, Florida State Beekeepers Association members, active members of the Master Beekeeper, Master Gardener, and/or Master Naturalist Programs, UF/IFAS county extension faculty, and anyone under 18 years of age.
**Taking Multiuse to the next level**

The best-kept beauty secret for beautiful and healthy skin.

100% natural formula

Infused with bee propolis, natural butters, herbs and olive oil for powerful skin protection.

Protects, Hydrates, Soothes

Safeguard your health this winter and spring with the power of bees!

Visit us Online! BEEporthecary.US

Use promo code OSBA2020 -15% off

---

**TOP QUEEN BEES**

SASKATRAZ  ECONOMIC SUSTAINABILITY
CARNIOLENS HONEY PRODUCTION
ITALIANS OVERWINTERING
TOLERANT TO ENVIRONMENTAL CHANGES

**OHB IS THE ONLY CERTIFIED PRODUCERS OF THE SASKATRAZ HYBRID QUEEN IN THE U.S.**

- OUR STOCK IS CERTIFIED AHB FREE
- SMALL HIVE BEETLE FREE
- FOUNDING MEMBER OF PROJECT APIS M (PAM)
- FOUNDING MEMBER OF BEE INFORMED PARTNERSHIP

**Olivarez Honey Bees**

QUALITY QUEENS FOR THREE GENERATIONS
GUARANTEED NEXT DAY AIR DELIVERY

CALIFORNIA  530. 865. 0298
HAWAII  808. 328. 9249
TOLL FREE  877. 865. 0298
OHBees.com

facebook  twitter  youtube  instagram  OLIVEAREZHoneyBees
The discovery of mite chewing behaviors of feral bees in small geographic regions around Ohio, West Virginia, Pennsylvania, Kentucky, Indiana, Illinois, Missouri, Michigan, and Wisconsin is an exciting finding in the search for solutions to the varroa mite problem. If we can get these genetics into our managed apiaries, the possibility that we could someday not have to treat for varroa is real. There are beekeepers in Ohio and Kentucky who have been adding feral stock to their apiaries for several years, that now have colonies chewing mites at almost 100%, eliminating the need for chemical treatment for mites. We are, in essence, BEE FARMERS, and need to think in terms of animal husbandry and how we can improve our stock. Adding feral bee genetics from mite chewing bees is one way.

Feral swarms are best captured in rural, wooded areas AWAY FROM MANAGED APIARIES. If you are catching swarms of feral honey bees this summer, you can check to see if they have developed varroa mite leg chewing behaviors. Follow the protocol below for raising your feral swarms. Once you have built up the colony to a minimum of 20 deep frames, you can examine the mites using the directions below, and determine if your feral bees are chewing mites and what the percentage is.

1. Raise your Feral Swarm - Move feral swarms from the traps into five frame nucs with screened bottom boards with slides (drawers) to quickly build colony populations and generate varroa mite populations. Feeding the swarms will improve their chance of over-wintering successfully plus produce varroa mite populations, so you can examine them for mite biting with a DM 4 Microscope. The goal is to build a colony covering a minimum of 20 deep Frames. This will occur anywhere from July to September.

2. Collect the dead varroa mites - Once the colony is built up to at least 20 frames, you will want to collect the mites that have dropped without chemical treatment and examine them. You will need the following equipment: a laptop computer running Windows 7 or 10 operating system; a digital microscope - DM 3, 4 or 5; an artist paint brush. To ensure the integrity of the evidence of mite biting, an artist paint brush is always used to transfer mites from the screened bottom board slide to the microscope tray.

3. Set up the digital microscope with your computer - (see *note at end of article for tips on set-up)

4. Examine the condition of the mites - Call up the camera app on your laptop. Turn on the microscope. An icon will appear on the upper right of the computer screen. Place the mite, on its back, on the microscope tray, under the lens. To focus, rotate the knob on the DM microscope, plus move the lens up or down to get a focused image on the laptop screen. Slowly move the mite around until you can view it through the microscope lens, on your laptop monitor. View the mite, looking for chewed off legs or chewed areas on the body. Use the photos in this article as a reference for what you are looking for.

5. Document what you see - The camera app has two options for recording the mite, video or still images. It is possible to find a mite still alive, with chewed legs. In this case, you might want to take a video. When the still image or video is recorded the info is sent to a file in the operating system. The file name is “Camera Roll.” The image or video is date stamped and a number is assigned.
Continued ~ Monitoring the Mite Biting Behaviors of Feral Honey Bees

6. Calculating the mite biting percentage of a colony - Count all the mites you find on the bottom tray. Keep track of the number of non-chewed mites and the chewed mites while looking at mites from the slide tray of the same colony. Divide the number of CHEWED MITES by the TOTAL number of mites. This gives you the percentage of chewing behavior of your colony. Example: if the slide had 12 mites and 5 were chewed (7 were not chewed), the chewing percentage (5 ÷ 12 = .4166) which would be 42%. That means the bees in this colony were self-killing almost half of the mites!

You can improve the varroa mite chewing percentage in your managed bees by continuing to catch and add feral swarms to your stock. Like any livestock, adding good genetics improves the breed!

*NOTE: The Digital DM 3, 4, or 5 microscopes are available on Amazon and other sites online. No need to spend a fortune - $45 - $65. Choose the lowest priced one that has at least 1000X magnification and that will do for the task. The series microscopes have a rechargeable battery that must be charged before being plugged into the laptop via the USB connector end that comes with the microscope. Charge the microscope battery with a 5-volt cell phone charger. This takes about 2-3 hours. After the battery is charged, plug the microscope into a USB port on the laptop. Most of these digital microscopes are plug and play and should pop-up instructions.

There was a time when almost every rural British family who kept bees followed a strange tradition. Whenever there was a death in the family, someone had to go out to the hives and tell the bees of the terrible loss that had befallen the family. Traditionally, the bees were kept abreast of not only deaths but all important family matters including births, marriages, and long absence due to journeys. If the bees were not told, all sorts of calamities were thought to happen. This peculiar custom is known as “telling the bees”. The typical way to tell the bees was for the head of the household, or “goodwife of the house” to go out to the hives, knock gently to get the attention of the bees, and then softly murmur in a doleful tune the solemn news. Little rhymes developed over the centuries specific to a particular region. In Nottinghamshire, the wife of the dead was heard singing quietly in front of the hive: “The master's dead, but don't you go; Your mistress will be a good mistress to you.” Germany, a similar couplet was heard—“Little bee, our lord is dead; Leave me not in my distress”.

This is 1800’s old tradition among beekeepers to “Tell the Bees” continuing with this tradition, OSBA wanting to recognize any beekeepers that have recently passed away. All associations or individuals are asked to forward the name and home county of the beekeeper and the date of death, if available. Any personal info may also be beneficial such as how long they may have kept bees, any offices they may have held in beekeeping associations, etc.

Notify David Crawford, at: davidcrawford43113@gmail.com or 431 Court Street, Circleville, OH 43113 if you have notices to provide to the newsletter.

Claribel Rothenbuhler, Supporter of OSBA

Claribel 'Claire' Rothenbuhler, wife of the late Walter Rothenbuhler, a prominent researcher in honey bee genetics, died in May. The mother of four children, she taught chemistry at Ohio State University where her husband was developing what would become one of the country’s preeminent bee labs. Walter, a professor at Ohio State from 1962 until his retirement in 1985, is a member of OSBA’s Hall of Fame. Following his death in 2002, Claire continued to be a frequent attendee at many of the fall conferences hosted by OSBA. The Rothenbuhlers are buried in Cameron, Ohio.
Queen Right Colonies®
Beekeeping Supplies, Package Bees, Queens, & More

Queen Bees

As with our package bees, all of our queen bees come from Northern California: Olivarez Honey Bees, Koehnen, and Strachan, the best suppliers in the business.

We offer Saskatraz, New World Carniolan, Three-banded Italian, and Cordovan queen bees starting at $35.

Mated queens taken off of brood before banking and sent to our customers. Marking and clipping services available.

Stop in, call or order online today!

Hive Beetle Screened Bottom Board and Pan

QRC Hive Beetle Screened Bottom Board and Pan provides easy side access for the aluminum pan.

Spend no more time folding, stapling or taping up boxes!

The Pro Nuc with built in feeder, is a sturdy recyclable plastic tote with a lid that firmly latches and doesn’t let bees escape.

queenrightcolonies.com
43655 State Route 162 • Spencer, OH 44275
440-647-2602 • info@queenrightcolonies.com
As beekeepers, we need to educate ourselves about the great value of our beehive resources for food, for health, for medicinal purposes and household usefulness. If we educate ourselves with these facts, they can be shared with customers and the general public. This may improve the demand for and sales of our hive products as we try desperately to either support our hobby, earn a side income or support our families with a larger bee business. In addition, sharing this knowledge can help elevate the reputation and importance of the honeybee in the public’s eye!

This quarter starts a series that will cover all six hive resources in the future newsletter editions.

HONEY – MORE THAN JUST SWEET

The Bees’ Magic

We’ve all tasted the thick, golden liquid made by the bees, but what is it really? Honey is made from the nectar, or the sugary liquid of flowering plants. Bees forage for and collect this nectar using their long tube-like tongues. Nectar is then stored in a bee’s extra stomach called a crop. In the crop, the nectar gets mixed with the bees’ enzymes. This changes the chemistry and PH of the nectar, so it can be stored for long periods of time. It is saved inside the beehive for eating during times of scarcity. But at what point does it become honey?

Forager bees collect the nectar, return to the hive, and pass the nectar to other bees waiting in the hive. The nectar is regurgitated into other bees’ mouths and then this partially digested nectar is deposited into a honeycomb cell. The nectar at this stage is still a thin liquid. To get the extra water out of this liquid, the bees fan the honeycomb with their wings, to help evaporate the water and turn the liquid into thick, golden honey. When the honey has just the right amount of moisture, the bees seal the comb with a capping of beeswax.

The Composition of Honey

Honey is an equal blend of glucose and fructose. It is full of amino acids and proteins, minerals, enzymes and antioxidants. It is a natural sugar, metabolized more like fruit. It has no additives and when protected from air and moisture, it has an indefinite shelf life. The taste, color, aroma, and texture of honey can vary, depending on the types of flowers that were visited by the bees when making a particular batch.

The History of Honey

Man has used honey since the beginning of recorded history. Evidence of its use by ancient civilizations such as the Egyptians can be found in cave and wall carvings and paintings. Still-viable honey has been found in the Egyptian pyramids. Ancient Greeks and Romans practiced beekeeping and recorded this practice in art work and text. Ancient Greece and Sicily were known as centers of honey production.

Honey was used not only for sweet culinary treats, but also for the healing of burns, abscesses and wounds. It was also used in embalming. “Mad honey” made from poisonous plants, was used to sicken enemy armies. In small quantities, this “mad honey” was used to produce a high for prophesying, religious rites and frenzied states at festivals. In 10th century England, people started using honey to make mead, a fermented alcoholic drink. Until sugar became commonly available in the 16th century, honey was the world’s main sweetener.

Health Benefits of Raw Honey

Research on the health benefits of raw honey has revealed a wide variety of reasons to make it a staple in your diet. Hundreds of research articles on the health benefits and medicinal uses of honey can be found on the National Institutes of Health website, nih.gov. The following facts are from research found at this site.
Continued ~ Beekeepers: Know The Value of Your Beehive Resources!

Honey can reduce metabolic and oxidative stress and lower cortisol levels. It protects against elevated triglycerides in the blood and shows cardio-protective qualities. Honey has a lower insulin response than other sugars and can help stabilize blood sugar. Honey is stored in the liver, which provides on-demand energy food for the brain. Sometimes, frequent waking in the night is due to low energy stores in the liver, signaling the brain that it needs nourishment and waking you up. A spoonful of honey before bed can sometimes help with restorative sleep.

Honey is also a super fuel for exercising providing a much healthier, longer-lasting boost of energy than the popular energy gels which are full of high fructose corn syrup and caffeine. The natural sugars, minerals, and other nutrients qualify raw honey as a beneficial dietary supplement. And it tastes good, too!

Medicinal Benefits and Uses of Raw Honey

Honey has been used for centuries, going back to the ancient civilizations, for its medicinal benefits. In recent decades, it has begun to be used by modern medicine practitioners in hospitals, clinics, private practice and nursing facilities, because of its proven medicinal properties. (The company marketing Medi-Honey got a waiver from the FDA for its use as a “medical device” that creates an environment conducive to healing, not claiming that it is actually a natural medicine or that it kills germs!)

Raw honey is an effective antibacterial. Its acidic property inhibits growth of bacteria. Its hygroscopic quality (ability to absorb moisture) makes it able to pull moisture from bacterial cells, killing them. Honey also has the ability to make tiny amounts of hydrogen peroxide in a wound, which naturally debrides the wound of dead tissue, eliminating the need for painful manual debriding. These qualities make honey a great treatment for kids’ cuts and scrapes and for more serious issues like burns, deep wounds, bedsores, ulcers, and even MRSA!

Honeys made from different floral sources have differing amounts of antibiotic ability, with Manuka Honey, from Manuka trees in New Zealand, being recognized as having the most antibiotic ability. It is marketed as Medi-Honey and can be found in tubes of salve or treated gauze forms and is quite pricey.

All RAW honey can kill bacteria, and your “home-grown” raw honey can be used at home as a natural antibiotic, too. No need to buy expensive Manuka honey for most home treatments.

Honey has also been recognized as more effective than dextromethorphan, for suppressing cough! Next time you or your kids have a cough, try a spoonful of honey, or some warm tea with honey, instead of pharmaceuticals.

Honey in Cosmetics

Honey has been recognized as a valuable ingredient in skin and hair care products. Honey acts as an emollient, moisturizing the external layers of the skin or hair, making them softer and more pliable. It keeps the skin young and retards wrinkle formation. Honey also acts as a humectant, helping to retain the moisture in the skin and hair. Honey helps regulates pH and prevents infections.

Honey-based cosmetic products include lip ointments, cleansing milks, hydrating creams, after sun tonics, lotions, shampoos, and conditioners. The percentage of honey in skin and hair care products is typically 1-10%, and is mixed with other oils, butters, and water-based ingredients.

So, spread the word! Honey is not only a tasty food, it’s also a valuable dietary supplement for improving or maintaining health, a useful ingredient in beauty products, and has incredible medicinal uses as well!
Shopping at Amazon.com
You can help the Ohio State Beekeepers Association raise money to support 4H and education for young beekeeper just by doing something you do already. When you Shop at Amazon.com, using the following link, a portion of your purchase will be donated to the OSBA.
http://www.ohiostatebeekeepers.org/about-osba/amazon/
Shop Now: http://www.ohiostatebeekeepers.org/amazon

Bee City USA
Bee City USA fosters ongoing dialogue in urban areas to raise awareness of the role pollinators play in our communities and what each of us can do to provide them with healthy habitat. The Bee City USA program endorses a set of commitments, defined in a resolution, for creating sustainable habitats for pollinators, which are vital to feeding the planet.
Find it at: https://www.beecityusa.org/

Place an Order
You can place an order for:
ADK Manual, $24.99 (free shipping),
Beekeeping Training DVD, $24.99 (free shipping)
Save the Honeybee decals - 1000 - $25.50 (plus shipping)
Ohio Beekeeper Window Cling 4”x8” - $2.00 each (free shipping)
http://www.ohiostatebeekeepers.org/place-an-order/
SuperDFM-HoneyBee

Top Quality Probiotic

Aids nutrition and digestion
Protects against pesticides
Improves health & immunity
Safe and simple to use
More splits and supers

Real pollen has microbes that help bees digest food into energy.
- Pollen Substitute DOES NOT

Pollen Substitute + SuperDFM = Max Energy

Proudly Made in the USA 🇺🇸  StrongMicrobials.com  1-844-MY-MICRO
Current Clubs/Associations Across Ohio

Adams County Beekeepers (Ohio Valley)
President Tim Scott 937-217-0039
timscott17@gmail.com
http://www.facebook.com/Adams-County-Beekeepers-Association-214316711916893/

Ashtabula County Beekeepers (Western Reserve)
President Sharon Riccio 440-576-8818
sjriccio@yahoo.com
www.facebook.com/AshtabulaCountyBeekeepersAssoc/

Athens County Area Bee Assoc. (Buckeye Hills)
Greg Bailey 440-576-8818
president@athensbeekeepers.org
JR Markham VP
http://athensbeekeepers.org/

Beekeepers of Clinton County (Miami Valley)
Rich Stewart 937-728-0427
beewildhoneyfarm@gmail.com
https://www.facebook.com/groups/250625229195238/

Black Fork Beekeepers (Erie Basin)
blackforkbeeclub@gmail.com
567-245-1233
https://www.facebook.com/BlackForkBeeClub/

Black Swamp Beekeepers (Maumee Valley)
President Jamie Walters 419-438-7335
blackswampbeekersassociation@gmail.com
www.facebook.com/Black-Swamp-Beekeepers-Association

Brown County Beekeepers (Ohio Valley)
President Chris Dresel 937-515-6778
Cxd8642@earthlink.net
contact_us@browncountybeekersassociation.com
hwww.browncountybeekersassociation.org

Butler County Beekeepers (Miami Valley)
Karri Bruskotter 513-255-5974
Karri_w@yahoo.com
https://www.facebook.com/Butlercountybeekers/

Carroll County Beekeepers Assn. (Crossroads)
Jeff Rainsberger 330-323-5918
jeffrainsberger@gmail.com
https://www.facebook.com/groups/CarrollCountyBeekeepersAssociation/

Central Ohio Beekeepers (Heart of Ohio)
President Mike Hatter 937-348-2636
president@centralohiobeekeepers.org
www.centralohiobeekeepers.org

Clinton County Beekeepers (Miami Valley)
Corey Buckley 937-725-9957
www.buckleyfarm@yahoo.com

Columbiana & Mahoning County Beekeepers (Crossroads)
President Ralph Rupert 330-400-8581
president@cmcba.net
http://cmcba.net/

Coshocton County Beekeepers (Crossroads)
Doug Ritzert
Coshoctonbeeks@gmail.com
www.coshoctonbeekers.com

East Central Beekeepers (Heart of Ohio)
President Tim Elliget 614-881-0445
tim@ashbeefarms.com
www.e-coba.org

Fairfield County Beekeepers (Heart of Ohio)
President Jeannie Saum 614-975-6139
PresidentofFCBA@gmail.com
www.facebook.com/groups/fairfieldcountybeekers.org

Geauga County Beekeepers (Western Reserve)
President Dale Olson 216-408-0446
dococonstruction@yahoo.com
www.geaugacountybeekers.org

Greater Cleveland Beekeepers (Western Reserve)
Acting President Larry Kelly VP 440-590-1845
GCBAVicePresident@gmail.com
www.greaterclevelandbeekers.com

Greater Dayton Beekeepers (Miami Valley)
Mike Pittman 937-974-7472
mpittman@woh.rr.com
www.facebook.com/groups/greaterdaytonbeekers

Greater Grand Lakes Beekeepers (Top of Ohio)
President Mark Beougher 419-305-8662
mbeougher@earthlink.net
https://gglba.ohiostatebeekers.org/

Greene County Beekeepers (Miami Valley)
President Mark Weaver 937-376-0356
mark@markweaver.net
www.gcbeekeepers.com

Guernsey-Noble Beekeepers (Crossroads)
President Don Crock 740-581-1883
doncrock@yahoo.com
www.guernseyubeekeepers.com

Harrison County Beekeepers (Crossroads)
Bob Hooker 740-945-0189
bobhooker2010@gmail.com
harrisoncountybeekers@gmail.com
www.facebook.com/HCbeekeepingAssociation/

Highland County Beekeepers (Ohio Valley)
President Tom House
thouse133@yahoo.com

Hocking County Beekeepers (Buckeye Hills)
hockingobeekeepers@yahoo.com

Jefferson County Beekeepers (Crossroads)
President Peter Ehni 304-551-5137
Pdehni100@gmail.com
http://jeffcobeekersohio.weebly.com/

Please check out your club information for accuracy. Kelly Morse newsletter@ohiostatebeekeepers.org
Current Clubs/Associations Across Ohio

Jefferson County Beekeepers(Crossroads)
President Peter Ehni   304-551-5137
Pdehni100@gmail.com
http://jeffcobeesohio.weebly.com/

Knox County Beekeepers(Heart of Ohio)
Jeff Gabric  740-760-0300
jeff@mybeesupply.com
www.knoxbees.com

Lake County Beekeepers(Western Reserve)
Dan Zikursh 440-655-5348
dan@midgardfarms.com
www.facebook.com/Lake-County-Beekeepers-of-Ohio-693445037494282/

Lorain County Beekeepers (Western Reserve)
Denzil St. Clair 440-647-2602
info@queenrightcolonies.com
www.loraincountybeekkeepers.org

Maumee Valley Beekeepers(Maumee Valley)
Roger Myers 567-686-5698
Rogerjudymyers@msn.com
www.facebook.com/pages/Maumee-Valley-Bee-Keeprs-Association

Medina County Beekeepers(Western Reserve)
President Paul Kosmos 330-239-1379
president@medinabeekkeepers.org
www.medinabeekkeepers.com

Miami Valley Beekeepers(Top of Ohio)
President Dan Richardson / Tom Davidson
steady72@aol.com
www.mvbeekkeepers.org

Mid Ohio Valley Beekeepers(Buckeye Hills)
web@movba.org
http://www.movba.org/

Monroe County Beekeeper(Buckeye Hills)
Jack & Lois Bruce 740-567-3320
jl1956@wildblue.net

Morrow County Area Honey Bee Assoc.(Heart of Ohio)
morrowcountybees@yahoo.com
www.facebook.com/Morrow-County-Beekeepers-Association-

North Central Ohio Beekeepers(Erie Basin)
Vice President Sonny Ward 740-262-3734
maebelapiaries@yahoo.com
www.facebook.com/groups/242848549962653/

Northwest Ohio Beekeepers(Maumee Valley)
Dwight Wilson 419-722-1953
www.facebook.com/NorthwestOhioBeekeepers
djlwilson@aol.com

Ohio River Beekeepers Society(Ohio Valley)
Misty Spring Akers
www.facebook.com/groups/1308698889164047/

Portage County Beekeepers(Western Reserve)
Geoff Westerfield 330-338-6140
Gdw131@msn.com
https://sites.google.com/site/portagecountybeekeepers/

Richland Area Beekeepers(Erie Basin)
Bruce Briggs
rabasecretary1@gmail.com
http://richlandareabeekeeper.com

Sandusky River Valley Beekeepers(Erie Basin)
President Tom Rathbun
southridgeapiary@yahoo.com
http://srvba.ohiostatebeekeepers.org/

Scioto Valley Beekeepers(Heart of Ohio)
www.sciotovaleebkeekeepers.com

Southwest Ohio Girl Beekeepers(Miami Valley)
www.facebook.com/groups/177921082579207/

Southwestern Ohio Beekeepers(Miami Valley)
www.swohiobeekeepers.com

Stark County Beekeepers(Crossroads)
president@starkbees.org
www.starkbeekeepers.org

Summit County Beekeepers(Western Reserve)
Robert Najjar
rnajjar@discomputers.com
president@summitbeekeepers.com
www.summitbeekeepers.com

Tri-County Beekeepers(Crossroads)
president@tricountybeekeepers.org
www.tricountybeekeepers.org

Tri-State Beekeepers Assn.(Buckeye)
tristatebees@gmail.com
www.tristatebeekeepers.com

Trumbull County Beekeepers(Western Reserve)
trumbullcountybeekeepers@yahoo.com
www.facebook.com/trumbullbeekeepers/

Tuscarawas County Beekeepers Club(Crossroads)
President Ray Wirt
wirtapiaries@gmail.com
www.facebook.com/Tuscarawas-County-Beekeepers-Association-Inc-367432935539/

Urban Beekeepers of Columbus(Heart of Ohio)
Ubo2014@ymail.com
https://www.facebook.com/groups/629509607177176/

Warren County Beekeepers(Miami Valley)
President Paul Dorger / Paul Hendricks
phendricks2445@yahoo.com
https://warrencountyohiobeekeepers.org

West Central Ohio Beekeepers(Top of Ohio)
Rusty Strader str1151@ctcn.net
www.wcoba.com

Please check out your club information for accuracy. Kelly Morse newsletter@ohiostatebeekeepers.org
2020 Officers, Staff & Newsletter Deadlines

OSBA is a non-profit organization with a mission to promote beekeeping in the state of Ohio. OSBA Board of Directors is made up of 23 voting members. Eighteen of these members represent each of the nine regions of Ohio. They are the people who represent the membership and your region in all votes taken by the OSBA board regarding the business of OSBA. Get to know your Representatives; they are here to help you.

OSBA Executive Committee
President Peggy Garnes 330.723.6265 president@ohiostatebeekeepers.org
Vice-President Tom Rathbun 419.603.1749 vice-president@ohiostatebeekeepers.org
Secretary Tim Arheit 419.371.1742 secretary@ohiostatebeekeepers.org
Treasurer Rod Pritchard 614.216.3386 treasurer@ohiostatebeekeepers.org
Past President Terry Liberman-Smith 937.272.6549 pastpresident@ohiostatebeekeepers.org

OSBA Regional Directors & Regional Representatives
Maumee Valley Regional Director Jamie Walters 419.438.7335 j_walters1054@yahoo.com
Maumee Valley Regional Rep. Roger Myers 567.686.5698 rogerjudymyers@msn.com
Erie Basin Regional Director Linda Miller 419.552.9242 eriebasinmiller@gmail.com
Erie Basin Regional Rep. Sonny Ward 740.262.3734 maebelapiaries@yahoo.com
Western Reserve Regional Director Allyson May 440.590.1845 acesaviators@gmail.com
Western Reserve Regional Rep. Greg Bokan 330.785.8678 gregbokan@yahoo.com
Top of Ohio Regional Director Dwight Wells 937.477.9251 dwells85@woh.rr.com
Top of Ohio Regional Rep. Dan Braden 419.303.0983 ddbraden@embarqmail.com
Heart of Ohio Regional Director Nina Bagley 614.783.7868 ninabagley@me.com
Heart of Ohio Regional Rep. Will Merrill 614.226.8219 wnm0628@yahoo.com
Crossroads Regional Director Joe Heider 330.833.8249 jbheider@sbcglobal.net
Crossroads Regional Rep. *
Miami Valley Regional Director Alex Zomchek 513.524.9663 ohiohoney@woh.rr.com
Miami Valley Regional Rep. *
Ohio Valley Regional Director Kelly Morse 859.468.4560 kjmor19@gmail.com
Ohio Valley Regional Rep. Jim Hopkins 513.518.8961 jigot64@gmail.com
Buckeye Hills Regional Director Don Crock 740.581.1883 doncrock@yahoo.com
Buckeye Hills Regional Rep. *

Staff Appointments
Newsletter Editor Jamie Walters 419.438.7335 editor@ohiostatebeekeepers.org
Hive Digest Editor Jamie Walters 419.438.7335 j.walters1054@yahoo.com
Webmaster Tim Arheit 419.371.1742 webmaster@ohiostatebeekeepers.org

Quarterly Newsletter - Deadlines
January Edition Articles / Photos December 1st
April Edition Articles / Photos March 1st
July Edition Articles / Photos June 1st
October Edition Articles / Photos September 1st
Answers from April Edition

Anatomy Quiz

A. Ovary
B. Lateral oviduct
C. Spermathecal gland
D. Spermatheca
E. Vagina
F. Stinger
G. Lateral pouch
H. Intestinal tract

Life Cycle

1. Egg
2. Larvae
3. Pupae
4. Emerge

At what moisture % does honey become stable?

18.1%
The natural yeast becomes stable when the moisture/water content is below 18.%

Name these famous beekeepers?

President Thomas Jefferson
Amos Ives Root
Bruder Adam
Edmund Hillary
President George Washington
Anton Jansa
Leo Tolstoy

President
President
President
President

Bonus: At what day does it take to get to each life cycle?
Ohio State Beekeepers Association 2020 Membership Form

Ohio State Beekeepers Association is a 501c3 non-profit organization supporting people who have an interest in honey bees and beekeeping. You do not need to be a beekeeper or live in Ohio to join OSBA. Membership includes on-going activities of the association to promote honey bees and beekeeping, voting in annual elections, discounts on publications, and an annual subscription to Ohio Beekeeping.

For new memberships and renewals, send checks payable to OSBA with this completed form to:
Ohio State Beekeepers Association
955 Murnan Road
Galloway, OH 43119

Name: _____________________________________________________________________
Address: ____________________________________________________________________
City: _________________ State: ___ Zip: ______________ County: ____________________
Phone: (___) ______-___________    Email Address (Print neatly) _____________________
Name of Local Bee Association: ____________________________________
Number of Hives: ____________

$15.00 Senior (age 60 or over)/for 1 year
$15.00 Student membership for 1 year
$20.00 Individual membership for 1 year
$25.00 Family membership for 1 year
$200.00 Lifetime membership (individual or family)
I would like to be on the OSBA Swarm List
I would also like to donate $5 $10 $20 $_________ to support 4-H and honey bee research.

Membership is based on the calendar year, January through December
OSBA is a 501c3. Donations may be tax-deductible.

Ohio Beekeeping is the official publication of the Ohio State Beekeepers Association. Annual subscriptions are included with membership in OSBA. Send news about your bees and your experiences, as well as any corrections, letters, comments, photographs, story suggestions, interviews, and additional requests to:

Jamie Walters
24645 Flory Road
Defiance, OH 43512
Or email: editor@ohiostatebeekeepers.org

Please support our advertisers. When you place an order, tell them you saw their advertisement in the Ohio State Beekeepers Association Newsletter.

Thank you on behalf of our collective newsletter colony,
2020 BEE PACKAGES

The Leibengoods wish you luck with your honeybees & thank you for a terrific season!

Stay tuned for 2021!

P.O Box 126
Green Springs, OH 44836
(419) 355 - 7223

Ohio-Bees.com
@LeibengoodFamilyApiaries
@LeibengoodBees