The Official Newsletter of the Ohio State Beekeepers Association, Inc.

http://www.ohiostatebeekeepers.org/resources/osba-newsletters

Volume 9, Issue 1

January 2020

Chasing Feral Honey Bees
By Jeannie Saum with Dwight Wells

Winter Wait and Worry
By Jeannie Saum

Meet the 2020 4-H Partnership Program Winners

EAS Report
By Michele Colopy

Planning for a More Successful 2020 Bee Season
By Barbara Bloetscher
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Inside this Issue

3 New Life Members / OSBA Donations
4 Letter from the Editor
5 The President’s Corner
   2019 Election Results
6 Fall Conference Information
7 Winter, Wait and Worry
11 OSBA Outreach
12 Associations Across Ohio
   Maumee Valley
   Western Reserve
   Top of Ohio
   Heart of Ohio
   Cross Roads
   Ohio Valley
20 Research Grant
21 Traveling Speaker Program
23 4-H Partnership Program Winners
26 Planning for a More Successful 2020...
28 Eastern Apiculture Society Update
31 Telling The Bees...
34 Chasing Feral Honey Bees
35 2020 Educational Opportunities
37 Officers, Staff & Newsletter Deadlines
38 2020 Membership Renewal Form

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

January Cover Photo
Credited to:
Nina Bagley
Columbus, OH

E-mailConversion
May we suggest email delivery for the next newsletter? The newsletter you are reading cost $2.90 (printing & postage) x 360 members. Estimated $1044.00 per quarter = $4176 per year.
*Receive it faster then snail mail.
*Better use of your membership dues.
*Allows funds to other programs.
*Hyperlinks to vendors & websites.
*You see everything in full color.
*Conservation & saving the trees.

Email editor@ohiostatebeekeepers.org to convert.
New OSBA Life Member

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

Daniel Hiller
Mary F. Zebolsky
Fred Krause
Mike Bentley
Helen J. P. Wiley
Bill Wiley
David Foster
Ron Atkins
Nate Root
Larry Pierce

Anthony Stall
Laurie Kehres
Robert Vilagi Jr.
Karen Levin
Eric Kimble
Cynthia Kline
Anthony Stall
Pete Soski
Kim Root

Quarterly Donations to OSBA

Your support is important to help OSBA provide education, outreach, services, and programs to our members and the Ohio community. Your support is greatly appreciated. “Thank You”

David Listerman
George Andrews
M. Bishop
David Sprang
Strong Microbials
Justin Viers
Garret Bankowski
Linda Schamber
Jerry Draper
Gerald W. Zimmerman
Marilyn Luncan
James McCue
James Petroski
Lyle Printing & Publishing-Farm and Dairy
Landings Family & Psychological Center

Find-the-Bee

Locate and cut-out this honeybee in two of the four issues. You can exchange these 2 bees towards 2 tickets at the Fall Conference raffle prize table. Only 2 bees will be honored, per person. Good Luck!

WiFi Hive Scale

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Letter from the Editor

I would like to take a moment to say “thank you” to all of the outgoing officials, directors and representatives for their time and dedication in volunteering within Ohio State Beekeepers Association. The same appreciation to Terry Lieberman-Smith for being the OSBA newsletter editor for the last 8 years. She has done a tremendous job in getting information out to beekeepers across this great state.

As the new editor, our newsletter team has been hard at work, since November, with a mission to help support our membership, associations, and National organizations to bring you information that helps everyone become a better beekeeper. By this, we are asking you to contribute:

* Club/Association - news, field day events, beekeeping classes, and please include photos.
* Writing articles - anything from recipes, native pollinators, hive products, and beekeeping.
* Photography - high resolution photos; your phones, I pad, camera, credit given to photographer.
* Etc. - helpful hints, woodware plans, tricks, puzzles, telling the bees...or questions.

If you would like to contribute but just not sure how, please (view page 2) reach out to our “Newsletter Colony” team members are here to assist you. You are always welcome to reach out to me at editor@ohiostatebeekeepers.org or call/text 419.438.7335

New Beekeeping - Eligible to Receive a complimentary ADK

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. We have less than 50 complimentary kits remaining, so the rest of the kits are available on a first come, first serve basis.

- Eligibility requirements for new Ohio beekeeper:
  - Have taken a 2019 or 2020 beginner beekeeping class (if we have the class list from your instructor) or proof of class
  - Proof of Apiary Registration
  - Proof of Equipment Purchase (hive or bees)
  - Commitment to fill out short on-line monthly surveys throughout 2020 regarding your hive visits

If you meet those prerequisites, then visit www.ohiostatebeekeepers.org/adk to get information on how to apply. New beekeepers who sign up for the program will receive monthly reminders of apiary tasks to help keep them on track for a successful year. Each kit contains easy to use tools to help monitor your hives, along with a full-color spiral bound and laminated step-by-step guide that includes helpful photos.

“Newbee” Beekeeping Classes

We want to help you advertise your classes, by using the OSBA website. Please send the date, time, location, and description with details (lunch, amount, included) about the event to the OSBA webmaster. With over 200,847 hits on the OSBA website this last year, this will be a great way to help spread the word.

Contact: webmaster@ohiostatebeekeepers.org
Welcome to the new newsletter and a new year! The new year brings new ideas and new members to your OSBA Board and I’m excited to be working with them. I want to thank you for giving me this opportunity to serve as OSBA President. As I write this message, I am also thankful of the opportunity to work with the new OSBA newsletter team. I think you’re going to enjoy their efforts in bringing current beekeeping news to you. As President, I want to reach out to each and everyone of you for your comments, suggestions and ideas that you would like OSBA to pursue this coming year. I want everyone to know that I can be reached at my email, president@ohiostatebeekeepers.org or my phone/text 330.723.6265. Please feel free to contact me. I’m looking forward to starting my term by continuing the Affiliate Program, 4H Program and the Traveling Speaker Program. All these programs have benefited Ohio beekeepers and they need to be continued. If you would like to see other programs, please let me know - OSBA welcomes your thoughts. The planning meeting in December gave insight to other roads we may explore to bring more beekeeping information to you for a healthier honey bee year. Happy New Year!

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 39 for the membership registration form or online at:

http://www.ohiostatebeekeepers.org/?s=membership
OSBA Fall Conference 2019 - Plain City, OH

Beekeepers from the greater Ohio area enjoyed another record-breaking OSBA Fall Conference November 2, in Plain City, Ohio. Over 800 participants attended the educational experience and listed to learn from speakers: Dr. Kirsten Traynor, Erin MacGregor-Forbes, Jay Heselschwerdt, Shannon Trimbi, Dr. Reed Johnson, Andrew Connor, Dawn Combs, Kelley King, Bob Hooker, and students from the OSU Beelab. As in past years, breakout sessions were not the only attraction. The OSU Beelab analyzed honey samples from the attendees for pollen sources, honey judges and apprentices were busy evaluating entrees, and the expanded vendor area was packed with enthusiastic shoppers.

Over the past seven years, our conference team of Terry Lieberman-Smith, Dawn Arheit, Tim Arheit and Michele Colopy have worked diligently to expand the conference and provide diverse speakers. The result is that the OSBA Fall Conference has grown from 2012, when we had an attendance of about 100 people and 3 vendors, to the popular, location busting, end-of-season event it is today of 25 of vendors, and over 800 attendees. I have enjoyed leading the committee for the Annual Conference and Member Meeting event for the past seven years and has grown so quickly. The Annual Conference is an event to improve our beekeeping skills, support those vendors that support OSBA and Ohio Beekeepers, recognize the valuable research being conducted by Ohio’s own academics, and connect beekeepers across Ohio.

I was pleased that my last OSBA Conference exceeded past records and served the needs of Ohio’s beekeepers. The 2020 Conference will be led by a new group of your elected Board members. The conference planning team will continue to expand the OSBA Fall Conference to allow for more beekeepers to enjoy this educational feast. Committee meeting reports will be posted on the OSBA website at https://www.ohiostatebeekeepers.org/osba-committees/. Contact the Conference Committee and share your ideas with them, and volunteer with OSBA.

OSBA 2019 “Beekeeper of the Year”

The Ohio State Beekeepers Association - Beekeeper of the Year is Bill Starrett. He taught the Beginning Beekeeping class for 12 years, maintains public demonstration apiaries at two parks, teaches a practical beekeeping session called “Ready the Frames” each month, wrote the examinations for the OSBA Master Beekeepers Program and still maintains 30-80 colonies of his own, grafted queens, and honey production. Bill rigorously keeps up with the latest beekeeping research. He presents method which are supported by empirical research or otherwise stood the test of time. He is not taken in by faddish approaches and urges a healthy skepticism of questionable methods. He regularly updates his teaching materials based on new research and tells beekeepers about ways in which new understandings have modified old methods. We want to “thank you” for all of your dedication, hard work, and passion.

OSBA Fall Conference “Honey Contest Winners”

The categories were: light honey, beeswax, gift basket, and granulated honey. Contest winners:
Best of Show- Granulated Honey  Peggy Garnes
1st Place Wax- Roger Myers
2nd Place Wax- Larry Potter
1st Place Flavored Granulated- Peggy Garnes
2nd Place Flavored Granulated Honey- Dee Walters
1st Place Extracted Honey- Ralph Johnston
2nd Place Extracted Honey- Sonny Ward
1st Place Honey Gift Basket- Aimee Crane
2nd Place Honey Gift Basket - no one
As beekeepers, we sit in our warm cozy homes all winter, looking out over the cold and often snowy landscape, and worry about our bees. Will they survive the cold? Do they have enough food? Did enough mites get dispatched? How bad is the weather going to get?

According to the Bee Informed Partnership's latest survey, U.S. beekeepers lost nearly 40% of their honeybee colonies last winter - the greatest reported winter hive loss since the partnership started its surveys 13 years ago. That’s a huge worry for beekeepers. So, what can we do to help our bees survive? We need to understand their behavior, their needs, and the stressors that lead to colony loss. As we sit inside this winter, waiting to see if our bees will survive, we can educate or re-educate ourselves about what we shoulda-coulda-woulda done or hopefully DID DO to help our bees face these cold months in Ohio.

Winter Bees

In late summer when the food supply dwindles, and pollen becomes scarce, signals that winter is coming and it is time to store protein for spring. This deficient diet triggers the formation of winter bees. These bees are distinct from their sisters in structure and in function. Bee researchers are recognizing this bees. Their Latin named, “diutinus,” means look the same on the outside. The difference is stuffed with a white, fluffy-looking substance, This fat body in the winter bee produces vitellogenin that increases lifespan. Summer workers live only four to six weeks, diutinus bees survive through winter, many living six months or more and make colony overwintering possible.

These specially-formed winter bees are vital when the colony must build up its population for spring nectar flow, pollen collection, drone rearing, and possible swarming. The late winter, there is little pollen left in the hive and no stored bee bread to feed the first spring brood. This is where the special bodies of the winter bees come into play.

A treasure trove of protein is stored in the fat bodies of winter bees. Because of plentiful fat bodies and an enlarged hypopharyngeal gland, a winter bee can secrete enormous amounts of royal jelly, even six months after eating any protein herself. The constant production of vitellogenin keeps her alive and healthy and producing brood food! They can feed the emerging spring brood without stores of pollen or beebread using food made in their special bodies!

What Bees Do in Winter

Once the temperature drops below about 57°F the queen stops laying and the bees settle in their hive for the winter. They cluster around the queen, facing inward, near the honey stores; their job being to keep the queen warm at about 90°F no matter how cold the outside temperature gets. They do this by shivering their wing muscles but keeping wings still. This elevates their body temperature. It takes lots of energy, which the bees get by eating the honey stores they have saved up during the foraging season. The bees on the outer edges of the cluster get cold, they push their way into the center and other bees must take their turn on the cold outside edge.

Winter Demise Factors

Bee decline has many causes, including decreasing crop diversity, poor beekeeping practices and loss of habitat. Pesticides weaken bees' immune systems and can kill them. Varroa mites latch onto honeybees and suck their "fat body" tissue, stunting and weakening them and potentially causing entire colonies to collapse. Some of these factors we can control, some of them we can’t. So, let’s be responsible beekeepers & focus on what we can do something about.
Size

Large healthy hive will have no trouble creating enough warmth even on the coldest winter days because they have the numbers to do it. What they say is true: winter survival is all about summer healthy hives, lots of bees and sufficient supplies of pollen and stored honey. Smaller, weaker hives or late summer swarms will probably not make it through the winter. They don’t have the numbers to produce the heat they need to survive.

We can increase the chances of survival of these smaller hives in a few different ways. A smaller hive can be combined with another hive by pinching the queen of the smaller hive and placing it on another hive with a few sheets of newspaper between the boxes. This will give the bees time to adjust to each hives’ pheromones as they eat through the newspaper. Alternately, a small, weak hive with its queen could be placed on another hive with 2 queen excluders between the boxes. These keep the queens separated with enough space that the queens can’t sting each other through the excluders. The smaller hive benefits from the food stores of the larger hive (worker bees can go back and forth through the queen excluders) and from the heat generated by the larger hive below.

Starvation

We worry – have we left the bees enough honey for winter. The typical recommendation is to leave 60–80 lbs. of honey for the winter survival of your bees. There should be at least 8-10 deep frames full of honey in the brood nest area, below the extra supers. Ideally, most of the brood area is in the lowest deep, and mostly stored honey is in the upper deep in late fall. Going into winter, put one half pollen patty between the two deeps and the other half on the top of the upper deep. Some beekeepers have found putting a candy board (with a little pollen in the mix) on a hive can greatly increase the hive’s winter survivability. Having enough food stores on the hive is something we beekeepers can control.

The cluster of bees moves around the frames, positioning over and eating the honey stores. During long spells of frigid weather, the cluster may not be able to move around the hive to get to more honey stores. If the bees eat all the honey they can reach during these extra cold times, they may starve, despite there being a surplus of honey, just out of reach. We can ameliorate this somewhat by wrapping or insulating our hives and creating wind blocks to try to keep the hives from getting frigidly cold. But sometimes, in our worst winters, this is one factor we beekeepers have limited control over.

Condensation

All the heat produced by the shivering bees in the winter cluster creates a condensation issue in the hive. As the warm air rises and contacts a cold cover, condensation can form and drip. As beekeepers, we need to take action to limit this problem, because wet bees are dead bees! We can provide extra ventilation with upper entrances, insulate the inner cover or telescoping cover with rigid foam, or install a hive blanket of wood chips to catch the dripping water. A candy board installed over the brood box can absorb excess moisture.

Weakened Bees from Varroa Mites

It is often stated that the varroa mite is THE biggest issue causing bee death. The varroa mites feeds on the fat body of the bees resulting in life-long impairment – decreased immune function, reduced pesticide tolerance, impaired development of immature bees, desiccation (loss of water volume), impaired metabolic function, inability to replace lost protein, precocious foraging (immature bees having to take over foraging), heightened winter mortality, decreased longevity and a vector for viruses. We beekeepers must do everything we can to reduce the mite load in our hives, well before the winter months to prevent our bees from having to face winter stresses in a severely compromised state.
Whatever it is you decide to do to control the mites in your hives – DO IT! Don’t kid yourself into thinking that you don’t have mites – they hide under the plates of the abdomen on the underside of the bees. What is said is true – if you see mites, TOO LATE! Whether it is removing drone comb frames, powdered sugar “baths”, making splits to interrupt the mite cycle, scraping of drone cells, oxalic acid dribble or vapor, essential oil or chemical treatments – it’s imperative that you get your bees prepared for winter with the lightest mite infestation possible.

**Take Action**

Even in the dead of winter, it is not too late to do some things to help your bees. You CAN open your hives in winter for a few minutes (choose a warmer, non-windy day). You can add fondant/winter patties if you didn’t do that before winter. This is especially important in late winter, as the winter bees’ fat body and ability to make bee food, dwindles. You could insulate an extra cover and quickly swap it out on a hive without an insulated cover or quickly add a hive blanket to the top of a hive, under the telescoping cover. You can even wrap hives if you didn’t and a bitter cold snap is predicted.

A beekeepers’ hive work in winter is minimal but continuing to check in on your bees is still needed. And then, of course, there’s getting all the new plans made and new equipment built for the coming spring. Most of all, this late winter, let’s vow to inform ourselves and do an even better job all next bee season getting our bees ready for winter.

**Master Beekeeping Program**

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.

[http://www.ohiostatebeekeepers.org/resources/master-beekeeper-program/](http://www.ohiostatebeekeepers.org/resources/master-beekeeper-program/)

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**Anatomy Quiz**

Answers in next issue
OSBA Outreach to the Beginner Beekeeping Classes for 2020

Last year’s outreach to those enrolled in New Beekeeper Schools sponsored by local associations was outstanding. We reached over 1000 new beekeepers with educational materials. Each student received educational information, promotional items, PLUS a one year complimentary membership to OSBA. This year we will again be including a copy of the Honey Bee Heath Coalition’s “Tools for Varroa Management Guide.” We all know that beekeeping is not an inexpensive activity, and we want all new-bees to start on the right track - education, fellowship, and awareness of all that OSBA offers. So we are offering this program again in 2020. We will be sending out information to local association leaders at the beginning of next year - Make sure that we have your association’s updated contact information!

Please contact the Outreach Committee at least 2 weeks before your new beekeeping classes held in your areas for educational materials and promotional items. Once you have the class, please submit an enrollment sheet so that we may add each participant for a one year “complimentary” membership in the OSBA.

Send to: newbeekeeperoutreach@ohiostatebeekeepers.org

OSBA Underserved Grant - 1 Grant is still available

Over the past few years, OSBA has received requests for assistance from groups such as rural schools, innercity youth programs, and correctional facilities. They contact us through our website, Facebook page, and referrals by ODA. We always put them in touch with the closest beekeeping association, and give them suggestions as to other educational on-line resources. Your OSBA Board has approved funding for an Underserved Grant. 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.

We have enough funds to award two more grants. 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

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. One project with multiple benefits, thanks to a team effort. Just go to www.plates.com when you renew your plates. Under specialty plates it is listed as “Ohio Beekeepers”. What will your plate say?

https://services.dps.ohio.gov/BMVOnlineServices/VR/Availability/Passenger/Check
Maumee Valley

The Maumee Valley Beekeepers finished the 2019 bee season with meetings geared to getting our bees though winter. Members described the different ways that they used to winter bees in northern Ohio. We held our annual meeting in October along with the biennial election of officers. We held our annual honey judging contest with 24 samples of honey brought in by club members. Best honey went to Tony Cardone and best varietal honey went to Larry Banachowski. The final meeting we discussed being ready for the 2020 bee season and that the best time to prepare is during the winter and to get supplies ordered, built, and ready to go. Club member Robin Baither donated a newer stainless steel extractor to the club and our old one was donated to Sauder Museum for a display on beekeeping.

Black Swamp Beekeepers Association

We swarmed the Fall Conference in November and finished our 2019 season with Wendy from the FSA office. She presented the ELAP program and policy updates/changes from last year, then proceeded with our fundraiser auction with computers, hive bodies, gear, and everything under the sun. It was a great time!

Everyone enjoyed the November - Annual Recognition & Potluck Party, where certificates where handed out to Beginning Internship students & Advanced Internship graduates. We are planning 2020 events with a Black Swamp “Bee Hustle 5K - run/walk”, 1-Day Introduction to Beekeeping Class, education booths for the Farm Show, school presentations, and Field Day with Maumee Valley, Northwest Ohio, and BSBA members. Gearing up for another class of year long internship classes with beginners and advance students.

Northwest Ohio Beekeepers Association

Our Fall Season line-up consisted of Jamie Walters - “What we did wrong & how to fix it”, Roger Myers - “Fall Preparation”, and Brad Hibbard - “Marketing Honey & Label Laws”. The last meeting of the year was quite busy with a honey tasting contest with winners - Bob Brumbaugh with Best Tasting & Dee Walters for Best Presentation. We then finished the evening with a “Live Auction” that had 2 - 8 frame complete hives, T-bone steaks, pollinator house, computers, and more. Thank you to everyone that donated items to help support the association going into 2020. We are gearing up for Spring with beginner classes, speakers, outreach and presentations to educate our regions public and make better beekeepers.

Beginner Beekeeping Classes

1 Hour Classes - starting 6:00pm
January - May before regular meeting
Pandora High School,
410 Rocket Ridge, Pandora, OH
Contact: Dwight Wilson
419-722-1953
Western Reserve

Trumbull County

Trumbull County Beekeepers Association have been a bee club for over 30 years. The club became an OSBA affiliate in 2019 and because of that affiliation, we have been able to partner with the Army Corp of Engineers (ACOE) to create a new apiary at the Mosquito Creek Reservoir. Our club installed 6 packages in 2019 to establish the apiary and lay the groundwork for future expansion. We look forward to developing educational programs in 2020 which will allow the club to provide outreach sessions to the community. The new apiary allows our club to provide hands-on experience with new beekeepers and experienced beekeepers alike. We were able to provide demonstrations already and look forward offering more in 2020. We are going to have a monthly apiary schedule for the club to get folks as much time in the apiary as we can.

We have a full calendar for 2020! In February we plan to offer a 4-hour Beginning Beekeeping class. In March and April, we will be discussing Spring Maintenance, Hive Registration, New Package Maintenance and disease control. In May and June, we will discuss OTS / Queen Raising and how to label, package, and sell honey. We are still in the planning phase of a field day which is tentatively scheduled for July. In August, we will be conducting demonstrations on extracting honey, wax rendering and mite management. In September and October, we will be discussing Fall and Winter Management. In November, we will discuss winter storage of equipment.

Our club is eager to make an impact in the county and help increase awareness of our favorite pollinator. If your interested in attending our meetings we typically meet the third Sunday of every month from 1-3 pm, at the OSU Extension building, 520 W. Main St. Cortland, OH 44410. We also meet at the ACOE office on occasion, so please check our Facebook page for upcoming events. Email us at Trumbullcountybeekeepers@yahoo.com or like us on Facebook.

Greater Cleveland Beekeepers Association

We have been busy helping our beekeepers get their hives ready for winter. By the time you are reading this we will know if the weatherman’s prediction of a long cold, snowy winter were correct. Nonetheless we will be yearning for spring.

November, Jeannie Saum from Beepothacary shared her wisdom on the benefits of products from the hive. Not only is it important that we take care of our bees but ourselves as well. Jeannie helped our members and guests understand how to use propolis and other hive products to improve their health and well being.

December, we gather for our annual potluck to celebrate another year in beekeeping. Food, friendship and fellowship- discussing our beekeeping successes and challenges.

January of 2020, we celebrate 11 years as a beekeeping association. Our speaker Ann Cicarella, Beekeeper, Professional Landscape Designer, Certified Pollinator Specialist and founder of the Cleveland Pollinator and Plant Symposium will present “The Powerful Partnerships of Plants and Pollinators”. Join us as she brings this topic to life.

We will have our beginning beekeeping Classes the four Wednesday’s in February. In March our speaker is Dave Noble. He is the apiarist at Stratford Ecological Center in Delaware, Ohio.

Our meetings (the second Wednesday of every month) and classes are held at the Rocky River Nature Center, Valley Parkway, North Olmsted, Ohio from 7-9 pm. Our meetings are open to the public and we invite you to visit our website: www.greaterclevelandbeekeepers.com for further information.
Portage County

Recently elected 2 new Directors: Bob Bearss (to a second term) and Amy Knerem. We also will be opening registration to our annual Beginner Beekeeping Class. Those interested can register for the classes on our website at www.portagecountybeekeepers.com. The word on the street is that our mead that we made at the mead workshop from the honey from our club apiary is fermenting really well and those that participated are anxiously awaiting the finished product. Of particular note, starting in January 2020 we have decided to move our meetings to the 3rd Sundays of every other month (calendar available on our club website). We feel that this move to Sundays will provide much more flexibility for our meetings while also providing an easier opportunity for our members with families to attend meetings.

Ashtabula County

Honored to have legendary beekeeper Roy Hendrickson, writer, speaker and commercial beekeeper as our guest speaker at our September 21st, 2019 meeting. Roy discussed his life as a beekeeper and the changes to the beekeeping profession along with answering questions. The Annual Beekeeping Conference sponsored by the Ashtabula County Beekeepers Association was held on Saturday, October 19th. The speakers for the conference featured three guest speakers covering four topics. Dave Noble, apriarist at Stratford Ecological Center did presentations on how to deal with hive emergencies and another on colony dynamics. John Schwartz, commercial beekeeper and OTS Queen Rearing expert presentation was on how to efficiently increase your colonies. Melanie Seal co-owner of Blue Sky Bee Supply Ltd. presented winterization.

A Youth Intro to Beekeeping class open was held on November 9th. This event was open to any 4-H age youth (ages 8-18) who had an interested in learning about beekeeping. There was no fee for this event. This event was in conjunction with the OSU Extension 4-H Educator. Some of the topics include knowing your equipment, installing your bees, hive management, Fall/Winter Management and information about the 4-H Beekeeping Project. Andrew Holden, OSU Extension Ashtabula County - Ag and Natural Resources Extension Educator, was the guest speaker at the November 16th meeting. Andrew discussed his duties as an extension agent and the Ohio Sensitive Crop Registry/Field Watch program. The Ashtabula County Beekeepers Association will hold its annual Holiday party on December 7th from noon until 2 p.m. Suzanne Westlake form Ashtabula Soil & Water Conservation District is scheduled to be the guest speaker for our January meeting. She will be discussing her duties with the agency and what benefits her agency can provide to beekeepers. We are also gearing up for our Beginning Beekeeping Class that will be held in March.

Geauga County

We recently finished up for the year by inviting Geoff Westerfield president of the Portage county beekeepers to talk about bears in Ohio. He elaborated where they come from and where they are seen in Ohio. Northern Ohio, is considered a poor place for bears to live due to our large population, many roads, and not too suitable areas to hibernate. Bear kills by vehicles happens more times than people realize. Nearly all of the bears come from Pennsylvania, are usually young males and can travel hundreds of mile in a very short time. Installing electric fences is the best deterrent against bears and can be purchased for about $300.

We had our 3 applicants apply for our Eleanor Spirka scholarship and the newest recipient is Elizabeth P. from West Geauga High School. She will be receiving everything needed to start beekeeping, including, wooden wear and bees. We congratulate her on her newest adventure. Our last meeting was a very busy one. We had elections for Secretary and Treasure. Cheryl Massey was re-elected as secretary and Susan Dunlap was elected as treasure. We thank them for stepping up and giving their time to our club. We also had our first Chinese auction for members who volunteered during the past year. Everybody who volunteered in some capacity, (refreshment, field day, county fair etc.) got a number of tickets for their endeavors. These tickets were then given back to them at the end of the year and they were able to try to win prizes. This was very successful. Continuing with the evening program was our annual honey bake off which was won by Karen Fogarty. Her winning entry was carrot honey loaf with honey butter. - continued
Geauga County Continued
During the winter months the officers are in the process of getting speakers for the upcoming year, and helping to re-evaluate some of our programs. The first Saturday of each month will be an informal "bee" chat meeting at Burton library, from 10-12noon. Come with questions and talk to some of our more experienced bee keepers. Here are the dates for the 2020, Feb 1, Mar 14, Apr 4, May 2, Jun 6, Jul 11, Aug 1, Sep 12, Nov 7, Dec 5. Continuing into the new year Dale Olson will be talking about his experiences at Apomindia and the latest gadgets concerning beekeeping from around the world at our February 20 meeting. Bee classes will be held on March 5 and April 9 of 2020. The cost for the classes is $55 and it includes a book about beekeeping. More information can be found at https://www.kenstoncommunityed.org/wp/ or https://sites.google.com/geaugacountybeekeepers.org.

Finally, by this time we hope all of the beekeepers have their hives ready for winter. Mites are killed off, honey and sugar water has been fed and hives are full. Winter pollen patties are in place and the hives are wrapped for winter. Wind brakes are also in place. Don't forget to check the bees during the winter months to make sure everything is in order. Good luck and see you in the new year.

Lorain County
LCBA was honored to celebrate one hundred years in beekeeping and helping beekeepers on Oct. 5th, 1919 to 2019. Over 350 fellow beekeepers enjoyed a sit down, catered and served event with Dr. Tew as our master of ceremony and several dignitaries present: Kim Fluttom; Wellington Mayor, Hans Schneider; District 57 Representative, Dick Stein; Lorain County Commissioner, Sharon Sweda; Ohio State Apiarist, Barbara Bloetscher. Presentation of proclamations from Ohio’s Governor, Mike DeWine and Lt. Governor, Jon Husted. LCBA was also presented with resolutions from the village of Wellington, Ohio House of Representative, a Certificate of Recognition from Lorain County Board of Commissioners, and Resolution from Senate of the 133rd General Assembly of Ohio, Senator Manning. Many donations valued at $8,000 with auctioneer, William Oliver; too much to be listed here and a thank you to all of our sponsors. What a great event if you missed this, complete with 100 years or 20 binders of minutes present for all to see. We are planning our 150th soon, I am sure you are on the invitation list, so make plans Oct. 2069, see you there.

The Lorain County Beekeepers Association also started an onsite memorial bee yard this year to memorialize all of our past, deceased beekeepers. Donations were given to start this beautiful bee yard and its purpose is to be used as an educational tool to teach future beekeepers the best practices in beekeeping. Prior to every meeting a group gathers meet at a prescheduled time to discuss what should be done and how it is to be completed. First year beekeepers then set out to accomplish the group’s goals under supervision. This yard is to be self-sustaining going forward, as any beekeeping endeavor should be.

Summit County
Participated in several community activities this Fall attending the Honey Harvest Festival at the Akron Zoo and Fall into Nature at the Bath Nature Preserve. John Irvine set up an observation hive at the Akron Zoo event and John Rose brought his observation hive to the Fall into Nature event in Bath. Honey from the SCBA hives at Crown Point was provided for tasting. Also in October, SCBA members Colleen Antalek and Jeanine Wirebaugh taught a class on wax rendering, candle making, and making of lip balms which was held at the Bath Nature Preserve. It was a very informative class and the ladies did a wonderful job. December 4th is SCBA's annual Holiday Potluck at the Lion's Lodge in Cuyahoga Falls. This year we have assembled a panel to lead a discussion on the Year in Review. The panel includes Peggy Garnes, John Rose, Mel Seal, and others.

SCBA's Beginner classes will be held on the Saturdays of January 25 and February 1, 2020 at the Bath Nature Preserve, 4160 Ira Road, Bath, Ohio 44333, from 8:30 a.m. until 1:00 p.m.
Medina Beekeepers Association

September was a busy month with Fall preparations getting underway. Jeff Gabric presented an interesting talk on Wintering Hives. He brought many items and demonstrated how to use each. There was much discussion on methods, techniques and equipment. OSU Extension invited the Medina Beekeepers to participate at their AG Day where almost 400 school children visited with beekeepers. The children were able to view an observation hive and locate the queen, try on bee suits and gloves and pet drones in a specially prepared box. Excitement was generated for these young people with the help of nine volunteers.

OSU AG Day - 300+ 3rd Graders!
Bobbi Heider Making Lip Balm
Dwight Wells Presentation

In October Bobbi Heider demonstrated her famous lip balm recipes with the assistance of her husband, Joe. Between the power point presentation and the actual melting of the ingredients, many of the club members are venturing into the lip balm world. You almost need to be a chemist to make some of these balms.

November’s presentation was well received by the members as they learned about the feral hives and the chewing behavior that they have naturally selected themselves for. Dwight Wells instructed the group on how to check their own mite drops for chewing. The handy, portable microscope he brought is battery operated and capable of being used in the field for viewing results after collecting the mites.

December is the holiday month and the meeting is being held at a local restaurant for just food and fun. Planning for upcoming beginner classes is already complete and the library rooms reserved. Looking forward to new beekeepers coming to join our club.

Top of Ohio

Upcoming Events...

**Beginner Beekeeping Class**
- Topics will include everything the first year beekeeper needs to know about keeping and caring for honeybees, selecting and assembling equipment, basic honeybee biology, nutrition, pest and disease control...
- **Time:** 8:00 AM - 5:00 PM
- **Location:** Richardson-Bretz Building in Celina (behind the Mercer County Library)
- **Cost:** $50 and is limited to 35 students. $25 for spouse or guest (no textbook)

**Intermediate Beekeeping Class**
- Designed for beekeepers with two or more years of beekeeping experience.
- **Time:** 8:00 AM - 5:00 PM
- **Location:** Richardson-Bretz Building in Celina (behind the Mercer County Library)
- **Textbook:** Honey Bee Biology and Beekeeping By Dewey M. Caron
- **Cost and additional details to be announced...**
Fairfield County
The Fairfield County Beekeepers are working with Dwight Wells, learning about trapping feral swarms and checking them for mite chewing behavior. There are pockets of feral bees with this behavior in areas of Ohio. Dwight is teaching us about the best places to set out swarm traps for feral bees and the researched protocol for the best way to trap them. Before our October meeting, Dwight took the board on an exploratory walk on members’ property to point out the best places to set swarm traps. Along the way, he pointed out forage plants that bees like. At the member meeting that evening, he shared the specific protocol for setting up the swarm traps using two 5-frame nucs and putting them in place.

Many members are preparing double deeps and pollen feeders to put out in remote areas this coming spring. Dwight will be working with us in November using microscopes to look at our own collected mites. He will come back next spring to talk to our club about caring for the swarms.

FCBA has held its first bulk buy of woodenware and is planning its first Bee School for 3 Saturdays in February. Our club apiary has two hives that have been prepared for winter and plan to add two more hives next spring. We will be celebrating our first “birthday” with 102 members at our January 2020 meeting.

Franklin County
The Central Ohio Beekeepers Association held its annual dinner; awards banquet and honey judging on Wednesday, November 20, 2019. This annual event honors mentors, youth scholarship winners, Rookie of the Year, and our Beekeeper of The Year. This year’s award went to Rod Pritchard, previous President and currently Treasurer of the Ohio State Beekeepers Association. The dinner was held at Der Dutchman in Plain City, Ohio, and as usual the food was very good, as well as the service. Members were encouraged to enter their honey for consideration and prizes. Many members submitted samples, winners were selected and prizes awarded. We look forward to next year’s bee school, 1st year apiary, and the advanced apiary.

Franklin County
Perhaps it’s the hotdogs over an open fire that is the attraction or perhaps the fire itself, but beekeepers sure like a picnic! About 70 beekeepers and their families attended the wiener roast, which was held in place of the October meeting. It was a beautiful fall evening!

Scioto Valley Beekeepers
Thanks to Louise, Marie and Carmen for setting up the beekeeping display at the Pumpkin Show. If you ’ve not seen the display in past years, it occupies nearly half of a room and has many educational elements. It captures attention and has become an attraction for many Pumpkin Show visitors. In addition, the room houses the honey display. This year the winners were White to Extra White Honey 1. Christie Woida 2. Louise Adkins 3. Barry Keller; White Honey 1. Christie Woida 2. Matt Woida 3. Barry Keller; Extra Light Amber to Light Amber Honey 1. Barry Keller 2. Matt Woida 3. Christie Woida; Amber to Dark Amber Honey 1. Sydnee Steck 2 David Crawford; Creamed Honey 1. Marie Crawford; Best of Show; Barry Keller. Thanks everyone for entering! It was a nice display.
Upcoming Election of Club Officers. We have been very fortunate to have people step forward to guide SVB in leadership positions and the nominating committee appreciates those who have offered their services for 2020. At this point, the nominating committee (David Crawford/Dan Grant) has secured candidates for each 2020 office and at the November meeting the slate will be announced. As per our bylaws, nominations also will be taken from the floor. Voting will be in December and the term for each office begins Jan. 1. Each term in office, except for the 3-year trustee, is one year. Offices are president, vice president, secretary, treasurer, and one 3-year trustee. Nominations from the floor are welcome only if the nominee has given permission to the person nominating them. Thank you Jayne Barnes and Dan Williams for keeping the site fresh. In addition, Marie Crawford maintains www.sciotovalleybeekeepers.com

Crossroads

Carroll County
Carroll County beekeepers have a beginner beekeeping class on March 14, 2020. For more information follow Carroll County Bee Club on Facebook.

Jefferson County
Is in the process of planning a beginner beekeeping class for late March early April. All information will be posted on their website at Jeffcobeesohio.weebly.com

Tri-County
January 29th will be the first members meeting of 2020, meetings are held at the Bee Lab of the Wooster campus of the OARDC at 7pm the last Wednesday of each month. We start with a speaker, then a break for snacks and fellowship. A business meeting for the month follows. You do not have to be a member to attend the meetings. The club actually encourages people to check us out to see if we fit your needs. Membership in TCBA is $10 per year and is due January 1st.

TCBA
Spring Beekeepers Workshop Planning has already been underway for our workshop March 6th & 7th. This will be the 42nd workshop and we have some of the top beekeeping experts in the country this year. You don’t want to miss it registration should open online around the 15th of January. Watch our website for more information and for registration to open see www.tricountybeekeepers.org/register

Stark County
Beekeepers are holding our annual bee school again this year at The Wilderness Center in Wilmot, Ohio on Feb 8th from 9:30 to 4:30. Look for more details wildernesscenter.org or call 330-359-5235 or our website StarkCountybeekeepers.org

Ohio Valley

Adams County
Adams County Ohio Beekeepers Association had State Apiarist Barb Bloetscher as the guest speaker in October. The November “Mini Meeting” held elections for the club with all officers remaining the same moving into 2020. A fellowship dinner was a big hit with everyone including the youth scholarship winners who all received a framed certificate. The first meeting next year will be 02/20/20! ACBA meetings start at 7pm every third Thursday of the month at the Bible Baptist Church on 41 in West Union. For more information visit: www.facebook.com/Adams-County-Beekeepers-Association-214316711916893/
Brown County

The last week in September is a busy one for the Brown County Beekeepers Association. Our "Little State Fair" takes place, once again providing us the opportunity to interact with the fairgoers to sell honey and educate them about beekeeping and the importance of all pollinators to our ecosystem. The observation hive is a "must see" for many of those who regularly attend the fair. New to the booth this year was our "bee tree". After rescuing bees from a tree habitat, a section of the tree was removed to expose how bees create a natural hive, which the public found very interesting.

In September, Kevin Hale, of Hale's Honey, gave an insightful program on queen management titled, "Managing the Queen in the Hive-Not the Bees for Success". Our October program featured Amanda Bennett, Extension Educator with the Miami County Extension Office, who discussed, "Optimizing Pollination with Native and Honeybees".

The club is always eager to share our knowledge and experience with others. The "Introduction to Beekeeping" program was given on October 10th in Maysville, Kentucky, at the Mason County Extension Office and then again on November 9th at the Batavia Branch of the Clermont County Public Library. On November 10th a program was given to the Warren County Beekeepers on, "Honeybee Nutrition-What-When-Why & How of Feeding Honeybees". The next generation of beekeepers were treated to a program on October 5th at the Aberdeen, Ohio, Public Library, when the children's program of "Bees and Pollination" was given.

Our last meeting of 2019 was primarily food and fellowship with members bringing in many delectable dishes. The 2020 election of officer results are in with a new President, Chris Dresel and Mike Pasquale, new Vice President. Incumbents were elected for Treasurer and Secretary. The first meeting of 2020 will be held February 11th at the Western Brown HS in Mt. Orab. Visit us: browncountybeekeepersassociation.org or https://www.facebook.com/browncountybeekeepers/?rc=p

Gallia County

Gallia County Beekeepers Association had a good first year and is in the process of going to a monthly schedule for 2020 while working on identifying officers for its leadership. Organizer and Gallia County Bee Inspector Chris Blank attended the OSBA Fall Conference and shared the work of one of the speakers, Kirsten Traynor who is currently working on a new quarterly magazine dedicated to pollinators and planting for them. Her project, 2 million blossoms launches in January 2020 with the help of the kick-starter campaign listed here: https://www.kickstarter.com/projects/2mblossoms/2-million-blossoms-protecting-our-pollinators

Highland County

The Highland County Beekeepers Association wrapped up the year by holding their final meeting at Bob Evans in Wilmington where the club treated everyone to a wonderful meal! Topics of discussion included requirements for selling honey out of state, local retailers of honey and determining the best placement of swarm traps in the Spring. Expert swarm chasers Ron Guillermin and Ed Rhonemus indicated that placement is most successful 75 ft. west of the Apiary. We are a small group committed to sharing the art of beekeeping and wish long time member Ramie P. the best of luck in his international beekeeping endeavors as he relocates across the pond. Meetings are held at 7:00pm, the third Tuesday of the month at the Highland County Administration Building downstairs.
Research Grant - Deadline to Apply 1/13/20

The Ohio State Beekeepers Association (OSBA) is dedicated to serving Ohio beekeepers. Funds contributed through the membership, and similar fundraising programs established by the OSBA Board of Directors will support activities in Ohio which contribute to the health, sustainability, and knowledge base of Ohio honey bees and beekeeping. OSBA will award grant funding for honey bee health research, impact of pesticides upon honey bees, beekeeping best management practices, queen breeding and Ohio survivor stock, and similar projects. All research must be accomplished in Ohio or benefit Ohio beekeepers. Projects must serve Ohio beekeepers, Ohio honey bees, or Ohio native pollinators. This is not a small business loan/grant for beekeeping “start-ups,” or expansion of a beekeeper’s business.

Applicants must be Ohio beekeepers, Ohio residents, and/or serve Ohio beekeepers. Preference is given to Ohio residents, and universities/colleges located within Ohio. Applicants do not need to be a nonprofit organization. Grants will be made to individuals for collaborative projects. (Individuals may be responsible for the grant funds as taxable income.) Grants will be made to individual university researchers, as well as collaborative research projects. Collaborative research must include an Ohio university researcher as the lead researcher.

Grant funding is provided for the calendar year. Consecutive year funds may be provided to a researcher for a different project. Multiple year funding may be provided dependent upon the project, and at the discretion of the OSBA Board. The maximum grant amount available is $3,000 (amount may change based on funds available).

OSBA will not fund facilities fees, overhead percentages, or administrative fees by academic entities, or similar fiscal agents. In-kind match is NOT expected for university only research projects. In-kind match (25% of total budget) of cash, volunteer time, services, etc. is expected from nonuniversity applicants, including those collaborating with a university researcher. The Research Grant recipient will be expected to report the outcome of the funded project at the OSBA Annual Conference providing a 45 minute presentation. Grant recipient must provide a written report of the funded project for publication in the OSBA quarterly newsletter.

More information & request an application contact OSBA Treasurer: treasurer@ohiostatebeekeepers.org

Honey Recipe

Honey Orange Muffins

½ cup sifted flour
½ teaspoon salt
2 teaspoon baking powder
½ cup whole wheat flour
1 egg, well beaten
¼ cup orange juice
1 teaspoon grated orange rind
½ cup honey
3 tablespoon melted shortening

Sift flour, salt, and baking powder together. Add whole wheat flour and mix thoroughly. Combine egg, orange juice and rind, honey, and shortening. Add all at once to flour, stirring only enough to dampen all flour. Bake in well greased muffin pans in moderately hot oven (400 F.) 15 to 20 minuets or until browned.
Traveling Speaker Program - “Successful Overwintering”

The OSBA Traveling Speaker Program for 2020 will have a new topic of "Successful Overwintering". The overwintering 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

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.
**Across**

1. It’s what makes being stung painful.
4. Made of beeswax by honey bees.
6. Bees stealing from other hives.
8. It’s important that your bees have access to this somewhere near their hives.
9. Three simple eyes on top of the bees head.
10. Adult bee and developing brood living together including the hive they are living in.
14. Collected by bees and used to seal cracks in the hive.
15. The Larva goes from grub to adult.
16. You can link them to everything that’s wrong with beekeeping today.
19. Out-colony task.
22. They do all the work in the hive except for laying eggs.
23. A single hexagonal (six-sided) compartment of a honeycomb.
25. This predator likes to eat bees.
27. Young bees that take care of the brood.
29. The middle section of the honeybee.
31. The third region of a body of a bee.
33. This is used by honey bees as their source of protein.
34. Insects that live together.
35. Has six legs.

**Down**

2. Collected by bees.
3. He has big eyes.
5. Collection of beehives.
7. A busy crowded place.
11. Starting a new colony.
12. Bees going to a colony that’s not their own.
13. Communication dance.
17. Devise used to produce smoke while working bees.
18. A digestive disease of the honey bees.
20. The action of all bees leaving the hive.
21. A time when nectar and pollen are not available.
28. First stage of the honey bees metamorphosis.
30. Combining two hives to form a larger one.
32. You will make these in the spring.
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 4-H Partnership Program encourages participation of the guardian, student, local association, and mentor. Please help support these selected winners of the 2020 Partnership Program.

The 5 selected applicants will receive:

- Woodenware and tools for two hives
- 1 year membership to OSBA
- Free admission to the OSBA Fall Conference
- Beekeeper Training DVD
- Apiary Diagnostic Kit (ADK)
- 1 year subscription to Bee Culture & ABJ

Natalie Rice
Portage County

Lyndsy Phillips
Tri-State

Chenoa Stevenson
Ashtabula County

Alexis Crone
Knox County

Connie Powell
Knox County

Thank You

We would like to sincerely say “thank you” to Bee Culture and American Bee Journal for their support in providing these 4-H Partnership winners with a 1 year subscription to their magazines. This helps increase their knowledge from great articles and knowledge of their writers. Please let these two great companies know, we greatly appreciate the support! Questions, please contact OSBA 4-H Partnership Program by email: 4h@ohiostatebeekeepers.org

OSBA 4-H Committee

The OSBA 4-H Committee received 15 applications for the 2020 Partnership Program. We would like to thank the rubric judges for their time in going through every students application (Mike Doseck, Nina Bagley, Bob Hooker, Tim Arheit, Terry Liberman-Smith, and Allyson May) and narrowing it down to only 5.

Hilltop Bee Supply was awarded the bid to supply the woodware, tools, & frames. Thank you on bundle packing, timely delivery and accuracy of everything, it was greatly appreciated.

OSBA is awarding each of the winners a set of 2 - Beekeeper Training DVD’s and a full (ADK) Apiary Diagnostic Kit with handbook. Thank you for your support with this program and looking forward to 2021.
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.

OSBA has taken steps to alleviate many tasks and free up time and money through our OSBA Affiliate Program. Participation relieves the local association board of many paperwork and documentation tasks, provides financial savings on insurance needs and affords the use of the OSBA nonprofit status for the benefit of the local club.

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
- Fiscal sponsor for bee clubs on grant funded projects

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

Suggestion Box

OSBA wants to hear from you! Share your suggestions for the website, newsletter, and programming. Share a concern or problem about beekeeping in Ohio. If you do want to contact a specific individual directly, you can find their contact information on the Officers, Support & Staff on page 20.

Suggestions and comments may be left anonymously. We can only reply to submissions that contain email and/or phone number. Your suggestion/comment will be routed to the appropriate party. Please note, all submitted suggestions are automatically archived and made available for all board members to view.
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Planning for a More Successful 2020 Bee Season

Although most of the physical part of beekeeping is finished in 2019 for colonies in Ohio, beekeepers should be checking their notes and planning for next year. The number one priority on your planning list should be to order queens or nucs as soon as possible before the suppliers are sold out.

This is also a good time to reflect on problems encountered this past year and determine how to improve beekeeping practices next year. Was the varroa mite kept below 3 mites per 100 bees? Were you able to maintain space for egg laying and honey storage to avoid lulls in production? Was swarming controlled? Did you have time to work the yards when the bees needed to be managed or only when time was available on your schedule? Were queen and nuc production results as successful as anticipated?

This spring, which was the wettest in Ohio history since 1895, prevented many of us from even getting to the colonies and thwarted the bees’ ability to forage. Flowering was delayed because of cold temperatures and the bees were unable to fly in cold or rainy conditions. The combination of the incessant rain and cold temperatures delayed brood rearing, resulting in a reduced colony population as the winter bees died. Emerging workers were recruited to being foragers, leaving an inadequate quantity of nurse bees to care for the larvae. This slow start badly hindered the colonies’ ability to expand. Beekeepers who made “hard splits” leaving very few young adults and only one-to-two frames of capped brood per colony did not have enough nurse bees to feed developing larvae. If the larvae were not fed enough quantities of nutrients, either because nectar wasn’t available, or the nurse bees had reduced hypopharyngeal glands (because they were undernourished), those underfed larvae either died or emerged weakened and unable to nourish the next generation of larvae. Colonies were going backwards instead of forwards in population and were often scrubbed or combined with another colony.

Symptoms of European foulbrood (EFB) or similar problems occurred, adding to the confusion and concern. When samples were mailed to the USDA Beltsville Bee Lab in Maryland, results often returned negative, yet the symptoms continued. Symptoms of EFB, parasitic mite syndrome (PMS), starvation and virus can look very similar and vary depending upon the genetics and condition of the bees, which is why symptoms are best understood by examining samples versus reading written descriptions. Usually with EFB, the larvae stay intact but may wither or become flaccid then dry into brown “skeletons” which may or may not be removed by nurse bees.

PMS and starved bee larvae often become wet or gooey globs. Look for immature mites on the “belly” of the larvae or evidence of damaged/disfigured pupae for bees that may have been damaged by mites and lack of liquid larval food surrounding the larvae for indications of starvation. Larvae affected by the virus (Sacbrood) or any of the many other viruses that now affect bees can vary by color and shape. Some cause larvae to become stiffened and boat shaped or wet yellow globs. Obviously, treating symptoms with antibiotics is ineffective if the bacteria are not the damaging agent. Instead we need to consider all the factors that may be involved and incorporate management strategies to avoid further problems.

- Keep mite levels low all season. Once the mites have damaged the brood & introduced multiple viruses, the colony declines and expends energy on recovering instead of growing. The Honey Bee Health Coalition has an excellent free guide listing the best mite management (chemical and non-chemical) in different seasons. [https://honeybeehealthcoalition.org/varroa/](https://honeybeehealthcoalition.org/varroa/)
- Feed bees 2:1 sugar syrup in the spring if larvae are in dry cells and/or if foundation needs to be drawn.
- Provide small amounts of pollen substitute continuously if needed (don’t stop when they consume it all, but don’t leave so much that small hive beetles become a spring pest).
- Keep colonies in full sun on platforms off the ground.
- Know the source of queens if they are purchased. Make sure that the supplier has a current Certificate of Health no matter what state (or county, if they are from Ohio) the bees were produced.
- Send samples of sick brood or bees to Beltsville Bee Lab and/or contact the county or state apiarist. Beltsville Bee Lab [https://www.ars.usda.gov/northeast-area/beltsville-md-barc/beltsville-agricultural-research-center/bee-research-laboratory/docs/bee-disease-diagnosis-service/](https://www.ars.usda.gov/northeast-area/beltsville-md-barc/beltsville-agricultural-research-center/bee-research-laboratory/docs/bee-disease-diagnosis-service/)
- Monitor your colonies at least monthly and act quickly if a problem is found.
- For questions about bee disease, read reputable books, magazines and websites from universities or the USDA.

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

OSBA now has defined the responsibilities for the OSBA American Beekeeping Federation Representative, OSBA Eastern Apiculture Society Representative, and OSBA Heartland Apiculture Society Representative.

These positions are annually renewed positions by OSBA. Representatives / Delegates are to learn from their role as a Representative /Delegate, and to share their educational experience with the OSBA Board, and Ohio beekeepers.

**Process:**
- OSBA members in good standing may complete an application to be considered as the OSBA Representative or Delegate to ABF, HAS, and EAS.
- The OSBA Nominations Committee will review all applications; interview the applicants via telephone and/or in person, and provide written recommendation to the OSBA Board for a Representative/Delegate to ABF/HAS/EAS.
- One applicant will be appointed by the OSBA Board for each of the entities (ABF, HAS, EAS).

**Limitations:**
- One individual may not serve as a Representative or Delegate to more than one association (ABF, HAS, EAS) at the same time.
- The positions for Representative and Delegate to EAS, HAS, and ABF are renewed annually via an open application process. The Nominating Committee should seek nominations in the third quarter of each year.
- There is a lifetime limit of three years for each position.

**Expectations of each Representative/Delegate to ABF/HAS/EAS:**
- Serve on at least one committee as the OSBA Representative for ABF, EAS, or HAS;
- Participate on regular conference calls –schedule to be determined by EAS, HAS, and ABF for the Delegates/Representatives; Provide written updates to the board about the meetings;
- Volunteer at the respective conference for ABF, HAS, or EAS as a member of their committee;
- Attend conference workshop sessions and provide a written report of each session for publication in the OSBA Newsletter.
- For ABF the Delegate must be willing to sell raffle tickets for the Honey Queen Program during the Conference.
- For the EAS Representative, an auction basket representing Ohio hive products must be compiled (paid for by OSBA) and with the approval of the OSBA Executive Committee;
- Other duties per ABF/HAS/EAS Representative/Delegate job descriptions

For more detailed information, please visit: [www.ohiostatebeekeepers.org/volunteer-opportunities/](http://www.ohiostatebeekeepers.org/volunteer-opportunities/)

If you are interested in representing OSBA as either an ABF, HAS, or EAS Representative, contact OSBA Nominating Committee: [nominating@ohiostatebeekeepers.org](mailto:nominating@ohiostatebeekeepers.org)
Report submitted by: Michele Colopy, OSBA Treasurer- 2016-2019

I served as the official representative for OSBA at the Eastern Apiculture Society (EAS) Board and Delegate conference call Nov. 19, 2019. OSBA has not had an official delegate to EAS for more than three years. Upon consulting EAS’s governing documents it was clear OSBA needed to develop OSBA delegate duties and responsibilities. A nomination and approval procedure for fairness and transparency was developed to appoint an Ohio beekeeper to represent OSBA. This Delegate will learn from and participate in the EAS activities, and report on their activities and education to Ohio beekeepers. You can learn more about OSBA’s request for an Ohio beekeeper to serve as the OSBA delegate to EAS at the end of this report.

EAS Report from OSBA Official Delegate

Three new state delegates, RI, DC, NC were nominated appropriately by their states, and accepted by EAS. All three were approved. The EAS Conference will be held in Maine, August 3rd - 7th, 2020. It will be an educational and fun Conference with off-site tours, the short course, working apiary, children’s programs featuring a session to train educators how to teach about bees to children, with CEUs available for teachers. There will be cooking with honey demos, and Xerces will be on site to lead sessions on native bees. You can learn more at https://www.easternapiculture.org/

Massachusetts will host the 2021 EAS Conference, July 26-30, 2021. Two states competed for the 2022 EAS Conference: New York and Georgia. After presentations and discussion, New York was selected for the 2022 EAS Conference, with the hope Georgia will host EAS in 2023.

Twelve committees presented their reports. Total members in EAS equal 1,472, with 561 lifetime members. Thirty state associations are active EAS members. In order from highest to lowest membership levels in EAS the top 15 states are:

1. VA  
2. SC  
3. MD  
4. NC  
5. PA  
6. NJ  
7. NY  
8. MA  
9. GA  
10. ME  
11. OH (37 Ohioans - EAS members)  
12. CT  
13. Ontario (Canada)  
14. TN  
15. DE

Thirty-seven Ohioans are members of EAS. Each state delegate will receive a report of lapsed members in the last 18 months in their state. Delegates will be telephoning lapsed members to encourage renewal or ask why the member did not renew. OSBA Seeks Ohio Beekeepers to Serve As Delegates to EAS / HAS / ABF. Previously announced in the 4th Quarter Newsletter 2019, page 11, OSBA seeks delegates to represent Ohio beekeepers at the Eastern Apiculture Society, Heartland Apiculture Society, and American Beekeeping Federation. Delegates are to learn from their role in the position and to share their educational experience with the OSBA Board, and Ohio beekeepers. Duties and responsibilities vary by the organization and are based on the By Laws for ABF, EAS, and HAS respectively. This is an annually renewed position by OSBA. To ensure fairness and transparency it is an application process through the OSBA Nominating Committee, and approved by the Board. To expand the knowledge, train Ohio beekeepers how to serve on committees, to volunteer at the regional beekeeping conferences, and to bring that experience and education back to Ohio, OSBA seeks Ohio beekeepers who are NOT currently on the OSBA Board. This is a position which does include remuneration to assist in covering the costs of traveling to and staying at each event, and it would be unethical for a Board member to accept this volunteer position due to the appearance of “private inurement.”
Conference Speakers

- Ernesto Guzman, Professor and Head of the Honey Bee Research Centre, University of Guelph, ON
- Sue Cobey, New World Carniolan Breeding Program, WA
- Samuel Ramsey, USDA-ARS, Bee Research Laboratory, Beltsville, MD
- Cindy Bee, Master Beekeeper, Certified Educator for the Appalachian Beekeeping Collective, WV
- Sam Abben, USDA-ARS, Bee Research Laboratory, Beltsville, MD
  - Phil Craft, Veto-pharma, ABJ contributor
  - Jennifer Lund, State Apiarist, Maine
  - Kim Skrym, State Apiarist, Massachusetts
- Andrea Nurse, Paleoecology Research Associate, Climate Change Institute, University of Maine, Orono
- Eric Venturini, Pollinator Conservationist, Xerces Society & NRCS
- Tucka Saville • Michael Young, MBE•
- Tom Seeley • Maggie Wachter • and many more!

Short Course Tracks

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Workshops

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Carl Bezilla, passed away unexpectedly Wednesday, October 16, 2019 while vacationing in the wide open spaces of Wyoming, a place he loved spending time second only to the family homestead farm in central PA. He was 62 years old. Resident of Kirtland Ohio since grade school Carl was an avid hunter, fisherman, beekeeper, craftsman and gardener who also took pride in preparing hardy meals especially when the table was surrounded by friends and family. If you left hungry you only had yourself to blame.

After graduating from Kirtland High School he worked full time in new building construction before accepting a job at the historic Kirtland Temple. There for the past 38 years he worked to maintain the buildings, grounds and extensive landscaping that was enjoyed by so many local residents and Temple visitors each year.

Carl was quick to lend a skilled hand to help others both young and old even at the expense of things he needed to get done for himself. Knowledgeable on a wide range of construction, maintenance and repair, he had a habit of starting or ending most conversations with "trust me" and you had better have good reason if you didn't. Among the many that he extended a helping hand to along the way, Carl was seriously dedicated to his niece Rachel and nephew Bryan. He provided loving guidance, support and many opportunities to explore new adventures and experiences along their life's path.

By far the most positive influence in his life came from his grandfather, Paul Bezilla, a strong willed independent minded man up to the task of constructively forging the iron of an equally strong willed independent minded child. Carl spent summers, holidays and all the weekends he could at the farm with his grandparents. His grandfather was known to have had to intercept Carl, when still in his single digit years of life, heading out the farmhouse door intent on hunting down a black bear seen crossing into the cow pasture. Lucky thing for the bear. From the time Carl was very young he feared little, except for flying. Flying was just a bad idea.

Carl had been eagerly looking forward to his approaching retirement and the ability to relocate back to his grandparent's homestead which had had such a positive effect on his childhood. A portion of his ashes will be returned there to rest in the place he loved. Carl is survived by his mother, Mildred (Hampton) Bezilla, sisters Doris (Dave) Ticknor and Toni (Kevin) Ice, brother Bill (Sue) Bezilla, niece Rachel Ice and nephew Bryan (Paige) Ice.

Services are scheduled for Friday November 1st Community of Christ Church, 9017 Chillicothe Rd. Kirtland Ohio, 44094 Calling hours: 3-5 pm in the Chestnut Room with a Memorial Service 5:30 pm in the Chapel; a meal to follow. Those that knew Carl well know that he was not at all fond of wearing formal attire. Casual attire is welcomed, he would want you to be comfortable. In lieu of flowers donations can be made to the Ohio Conservation Federation or St. Joseph's Indian School.

Raymond “Ray” Barber, 76, of Glynwood died Nov. 17. Ray was an active member of Grand Lake Beekeepers Association. Ray grew up in a family who kept bees and helped his father in the beeyard. In his retirement, he took a beginners course and once again became involved in the hobby until his death.

It is with great sorrow that we have received word of the passing of Kylie Wendell this afternoon. Kylie is the wife of Steve Davis, Jr and daughter-in-law of Steve and Kelly Davis. She was a beautiful soul with an infectious personality that endeared people to her. She will be greatly missed.

Our hearts, thoughts and prayers go out to the Wendell and Davis Families at this time.
Melvin L. Myerholtz, past president, 83, of Castalia, died Dec. 3. Melvin was the first person to hold the position of 2nd vice president in OSBA, a position created in 1962. He became first vice president in 1964 and was president from 1966 to 1968. He also was a board member in 1973. According to his son, Fred, his father was involved in commercial beekeeping and at one time had 3,000 colonies in Florida, Ohio and the Dakotas. “He took up beekeeping as a child and often helped his grandfather with his bees,” recalled Fred. “In his later years he became involved in trucking, but still kept some hives, which I have now,” he added. Melvin owned Blue Hole Honey Farm in Castalia and became known for specialty honey from different floral sources. As an officer in OSBA, he was instrumental in the development of the Rothenbuhler Honey Bee Laboratory at Ohio State University and also had active involvement with the bee yard at OSU’s Agricultural Technical Institute in Wooster. His wife, Kathryn, who survives, was on the OSBA board in the last 70s and early 80s. (A note of appreciation to OSBA historian Jim Thompson for his help compiling Melvin’s accomplishments.)

Announcements

Do you know what is going on within OSBA? When is the last time you checked the website? Please checkout the announcements page for volunteer opportunities, latest news, home page, and event deadlines. If you would like to help with OSBA events, programs, or committees, feel free to reach out to any of the board members and we would be happy to talk with you.

How flowers does it take to make 1 pound of honey?
A. 2 million flowers
B. 5,000 flowers
C. 1.5 million flowers

How much honey does the average worker make in her lifetime?
A. 1 tablespoon
B. ½ tablespoon
C. ⅛ teaspoon

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Happy New Year!

**Lyson & BeeMax®**
Polystyrene hives are thicker than the traditional wooden hives and provide more insulation. Better insulation moderates temperature fluctuation in both winter and summer. We offer two different types of polystyrene hives: Lyson and BeeMax®. New for 2020: we now carry the Lyson 8/9 frame hive!

**Bee Feed**
Winter and pollen patties are a great solid feed for your bees. Winter patties are used as an emergency bee feed for colonies in late winter. They provide necessary carbohydrates to keep colonies from starving. Pollen patties contain protein to stimulate brood rearing, which is helpful if natural spring pollen flows are delayed or interrupted. Make sure you provide the right patty for the time of season!

**BetterComb**
Assemble your BetterComb frames now to prepare for new package or nuc installations this Spring! BetterComb is a completely drawn comb made of food-grade, virgin, synthetic wax, similar to the composition of beeswax. Once installed in the frame, just pop it in the hive. It provides ready space for brood, nectar, or pollen storage.
Check out betterbee.com/bettercomb for assembly instructions and other information.
Chasing Feral Honey Bees

By Jeannie Saum, with Dwight Wells

Some of the most interesting projects on honey bees get started with the “rubbing of elbows”, when beekeepers and researchers meet in the halls between presentations at bee conferences! Such was the impetus an on-going project here in Ohio and several contiguous states, initiated by Dwight Wells, a 65-year veteran beekeeper, of Troy, Ohio and current OSBA Top of Ohio Regional Director.

Back in 2011, Dwight met Dr. Greg Hunt of Purdue University at the HAS conference and saw his first mite under a microscope. That experience and conversations with Dr. Greg Hunt and Dr. Brock Harpur of Purdue University and Dr. Tom Seely of Cornell University, was the catalyst for the action-research project Dwight has developed with several researchers and land-grant universities. This project entitled, “Working with Mite-Biting Honey Bees and Varroa”, is facilitated by Dwight Wells and connects researchers, universities and many local bee clubs and beekeepers in Ohio and surrounding states, to carry out action-research together.

Many pockets of feral honey bees which exhibit naturally-developed mite-biting behavior have been located in Eastern and Southern Kentucky, South Eastern Indiana, West Central Pennsylvania and West Central Ohio. The focus of this cooperative project is to capitalize on the mite-biting traits of these feral honey bees by swamp trapping them and introducing their genetics into the bee populations in locally kept apiaries. The ultimate goal is to improve the genetics of our kept bees, so they can naturally combat the varroa mite with their own defensive behaviors.

Various teams, enlisted by Dwight in several different states, have 500+ swarm traps set out, catching swarms in remote locations where these mite-biting feral bees exist. Dwight travels extensively visiting local bee clubs, to teach the protocol of swamp trapping feral bees, based on Dr. Tom Seely’s research, and enlist beekeepers to participate in this impactful project. Since the start of this project, they now have several bee yards that have not been treated for varroa for 7 years, with bees keeping varroa mites controlled through their own mite-biting behavior.

The tasks in the project, “Working with Mite Biting honey Bees and Varroa” consists of:

- Chasing and swarm trapping feral honey bees
- Using sustainable genetic technology
- Making 48-hour queen cells
- Using DM3 microscopes for chewing behaviors, plus other behaviors that help control varroa
- Instrumental insemination between several states
- Overwintering nucs with mite-biting bees

The following flow chart illustrates the many facets of this project being carried out by both beekeepers and researchers. The collaboration between these two groups will help build healthy genetics in our honey bee populations.

Based on the work of the past 24 months, stakeholders in this project will hold several workshops and presentations in the coming months at Purdue University, Kentucky State University, Central State University (Ohio) and OSU OARD, Wooster.

**Late April** - 48 Hour Queen Cell Class Plus Swarm Trapping updates at Pikeville, KY.

**Mid-May** - at OARDC Wooster OSU with Central State U.- 48 Hour Queen Cell Class

**Early June** - Annual Heartland Honey Bee Breeders Cooperative Insemination Fest at Purdue University

**Mid-June** - 48 Hour Queen Cells at the Annual Field Day at Purdue University, Indiana

**Early July** - Heartland Apicultural Society (location TBA48 Hour Queen Cell Class

There are several related projects being developed, working with Dr Brock Harpur at Purdue University. Brock recently replaced Dr Greg Hunt who retired last year. As the projects mature into working models, Dwight will keep us updated in future articles. - continued next page
Continuation of “Chasing Feral Honey Bees”
Several local Ohio beekeeping clubs are beginning to work with Dwight and this group of researchers on the feral bee project and several others. Your local beekeeping association could be involved, too! Stay Tuned! We need you!

Check them out on Facebook at Chasing Feral Honey Bees. For information about participating in this important project, contact Dwight Wells at dwells85@woh.rr.com

2020 Education Opportunities

Annual Kalamazoo Bee School is a day-long event featuring outstanding speakers, vendors offering bees, bee-related equipment and other products, and opportunities to network. 2020's school features keynote speaker Dr. Jim Tew of The Ohio State University. Please note there is an "early bee" registration bonus: register before January 6 to save, at www.kalamazoobeecoclub.com. Information about speakers, topics, and schedule will be posted as they become available. We hope you can join the swarm. Saturday, February 15 | 8 a.m. – 5 p.m. Kalamazoo Valley Community College | 6767 West O Ave., Kalamazoo, MI. Online registration

A Bug's World is the OSU Department of Entomology's outreach event for 2nd and 3rd graders, taking place this year on Tuesday and Wednesday March 3rd and 4th at the Shisler Conference Center on the OSU Wooster campus, 1680 Madison Ave., Wooster, 9:00am till 1:00pm

Join us for the Michigan Beekeepers’ Association Spring Conference, March 6-7, 2020 at Michigan State University’s Kellogg Hotel and Conference Center. Keynote speaker will be Dr. Kirsten Traynor of Flickerwood Apiary in Maryland.

HONEY Convention, 8807 Rhothchild Conference Center, Knoxville, TN, March 20-21, 2020. 27 prestigious speakers, over 20 vendors, and over 60 classes to choose from. Both days, $75.00 with lunch. http://www.honeyconvention.com/

11th Annual Northeastern Kentucky Beekeeping School, 2/29/2020, Address: Maysville Community and Technical College, 1755 US 68, Maysville, KY 41056 Hours:8:00AM to 3:30PM Cost/Cover:$25.00-Pre-Register or $30.00 at the door Contact Info:loribob10@hotmail.com or 606-247-5817 Details: We are holding our 11th annual event, pre-registration is $25.00, at the door-$30.00, and children 12 and under-$7.50. Lunch will be provided by Fazoli's. Lots of vendors, door prizes and speakers presenting topics suitable for beginning beekeepers thru advanced beekeepers, as well as a beautiful painted beehive to be raffled off.

42nd Annual TCBA Spring Beekeepers Workshop - March 6-7. Registration will be open mid January, Fisher Auditorium: 1680 Madison Ave., Wooster, Ohio 44691 https://www.tricountybeekeepers.org/register
Place an Order
You can place an order for:
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http://www.ohiostatebeekeepers.org/place-an-order/

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.
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Merchandise
OSBA Merchandise: Visit this Ohio Company for information about OSBA Logowear: https://www.companycasuals.com/OSBA/
For the Beekeeper: Order OSBA merchandise, DVD’s ADK books, etc.

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/
2020 Officers, Staff & Newsletter Deadlines
http://www.ohiostatebeekeepers.org/associations/local-associations/

OSBA is a non-profit organization with a mission to promote beekeeping in the state of Ohio. OSBA Board of Directors make 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

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<th>Region</th>
<th>Regional Director</th>
<th>Regional Rep.</th>
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<tr>
<td>Maumee Valley</td>
<td>Jamie Walters</td>
<td>Roger Myers</td>
<td>419.438.7335</td>
<td><a href="mailto:j.walters1054@yahoo.com">j.walters1054@yahoo.com</a></td>
</tr>
<tr>
<td>Erie Basin</td>
<td>Linda Miller</td>
<td>Sonny Ward</td>
<td>419.552.9242</td>
<td><a href="mailto:rogerjudymyers@msn.com">rogerjudymyers@msn.com</a></td>
</tr>
<tr>
<td>Erie Basin</td>
<td>Greg Bokan</td>
<td>Dwight Wells</td>
<td>740.262.3734</td>
<td><a href="mailto:maebelapiaries@yahoo.com">maebelapiaries@yahoo.com</a></td>
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<tr>
<td>Western Reserve</td>
<td>Alylyson May</td>
<td>Dan Braden</td>
<td>419.303.0983</td>
<td><a href="mailto:ddbraden@embarqmail.com">ddbraden@embarqmail.com</a></td>
</tr>
<tr>
<td>Western Reserve</td>
<td>Greg Bokan</td>
<td>Will Merril</td>
<td>614.226.8219</td>
<td><a href="mailto:ninabagley@me.com">ninabagley@me.com</a></td>
</tr>
<tr>
<td>Top of Ohio</td>
<td>Dwight Wells</td>
<td>Joe Heider</td>
<td>330.833.8249</td>
<td><a href="mailto:wnm0628@yahoo.com">wnm0628@yahoo.com</a></td>
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<td>Heart of Ohio</td>
<td>Nina Bagley</td>
<td>Joe Heider</td>
<td>614.783.7868</td>
<td><a href="mailto:ohiohoney@woh.rr.com">ohiohoney@woh.rr.com</a></td>
</tr>
<tr>
<td>Heart of Ohio</td>
<td>Will Merril</td>
<td>Joe Heider</td>
<td>614.226.8219</td>
<td><a href="mailto:jheider@sbcglobal.net">jheider@sbcglobal.net</a></td>
</tr>
<tr>
<td>Crossroads</td>
<td>Joe Heider</td>
<td>Jim Hopkins</td>
<td>513.518.8961</td>
<td><a href="mailto:kjmorse19@gmail.com">kjmorse19@gmail.com</a></td>
</tr>
<tr>
<td>Miami Valley</td>
<td>Alex Zomchek</td>
<td>Jim Hopkins</td>
<td>513.518.8961</td>
<td><a href="mailto:jgoat64@gmail.com">jgoat64@gmail.com</a></td>
</tr>
<tr>
<td>Miami Valley</td>
<td>Kelly Morse</td>
<td>Kelly Morse</td>
<td>859.468.4560</td>
<td><a href="mailto:kjmorse19@gmail.com">kjmorse19@gmail.com</a></td>
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<tr>
<td>Ohio Valley</td>
<td>Jim Hopkins</td>
<td>Don Crock</td>
<td>740.581.1883</td>
<td><a href="mailto:doncrock@yahoo.com">doncrock@yahoo.com</a></td>
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Staff Appointments

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<tr>
<td>Newsletter Editor</td>
<td>Jamie Walters</td>
<td>419.438.7335</td>
<td><a href="mailto:editor@ohiostatebeekeepers.org">editor@ohiostatebeekeepers.org</a></td>
</tr>
<tr>
<td>Hive Digest Editor</td>
<td>Jamie Walters</td>
<td>419.438.7335</td>
<td><a href="mailto:j.walters1054@yahoo.com">j.walters1054@yahoo.com</a></td>
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<tr>
<td>Webmaster</td>
<td>Tim Arheit</td>
<td>419.371.1742</td>
<td><a href="mailto:webmaster@ohiostatebeekeepers.org">webmaster@ohiostatebeekeepers.org</a></td>
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Quarterly Newsletter - Deadlines

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*The newly appointed officer and representatives will be confirmed in early January.*
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)

As an OSBA member, I want to be on the OSBA Swarm List

I would also like to donate $5 $10 $20 $_________ to support 4H 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

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Thank you,

Jamie Walters
LEIBENGOD FAMILY APIARIES

2020 BEE PACKAGES

- Italians - $120
- Russians - $125

Tentative Pickup Dates in Clyde, OH:
- March 25th
- April 8th
- April 22nd
- May 6th

7653 N. SR 101
Clyde, OH 43410-9618
(419) 355 - 7223
Ohio-Bees.com
@LeibengoodFamilyApiaries
@LeibengoodBees