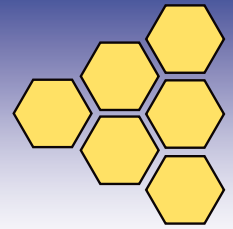




The Producers



The Newsletter of the Empire State Honey Producers Association

A Statewide Organization to Promote and Protect the Interests of New York State Beekeepers

Summer 2016 | Issue 101

ESHPA 2016 Summer Potluck Picnic

Come join us at the 2016 ESHPA summer picnic at the famous Cornell Dyce Labs! Bring a dish to pass and your bee veil. We're going to do some hands-in-the-hive learning and get a briefing on how we can aid bee research in NY.

Date: July 23, 2016

Cost: \$15 – includes roast chicken entree and hands-on sessions at the beehives.

Location: Dyce Lab for Honey Bee Research, 209 Freese Rd, Ithaca, NY 14850, USA



Theme: Hands-on Learning and a talk on the value of NY beekeeper registration to research.

Our special program includes a chance to learn hive manipulations with expert beekeepers.

Planned breakout groups include: "queen rearing," "splitting nucs," "reading a hive" and "questions and answers."
Bee veils will be required for all participants.

Agenda:

- 10:00 am Welcome by President Mark Berninghausen
- 10:15 am Speakers: Dr. Scott McArt, Department of Entomology, Cornell University, and Emma Mullen, Cornell Honey Bee Extension Associate, "Potential Monitoring & Research Benefits from Beekeeper Registration in New York"
- 11:15 am General membership meeting
- 12:00 pm Potluck lunch
- 1-3 pm Breakout Sessions (rotating 20 minute sessions)

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ESHPA FALL MEETING | SAVE THE DATE!

NOVEMBER 4-5, 2016

Two full days of speakers, plus banquet, vendors, and honey and mead show at the same luxury location as last year:

**Embassy Suites by Hilton Syracuse
6646 Old Collamer Road South
East Syracuse, NY
USA, 13057
Tel: 1-315-446-3200**

President's Message

A Look Back At 2015

It's not like each year isn't unique, but, at least for me, 2015 may have been more different in some ways than some of the last 20 years of beekeeping in NY.

Last year in mid-March—when I got to South Carolina to start working on my bees again after leaving them untouched for almost three months—I found that my winter loss was the lowest since any time in memory: 13%. It was good that I brought all of my nuc boxes, and unoccupied four-way migratory pallets, and extra covers. As the spring SC season progressed, I was able to fill all of my pallets and nuc boxes.

On top of that, my blueberry grower ordered more hives than the year before. And it turned out I had more hives than I could get on my Ford F-450 and on the semi. So I had to get a friend to bring the last 16 pallets back to NY on his load. That's a good way to start the bee year.

The blueberry bloom ended with plenty of time to get my bees back to NY for apple pollination. Bees went into and came out of apple pollination in good shape and then got set up in their summer yards supered for honey production.

After the hives were set in their summer locations, I got an invitation from Ag & Mkts Commissioner Richard Ball to participate in the New York State Pollinator Protection Task Force—a gathering of people from numerous state government agencies and agricultural concerns, including beekeepers, ag chemical advocacy organizations, NY fruit growers, NY vegetable growers, organizations concerned with the environment, and representatives from Cornell who deal with pollinators and especially honeybees.

This task force met three times during 2015 and, as yet, no plan has been made available to New Yorkers for comment. Governor Cuomo has \$500,000 in his 2015-16 budget to implement the plan, but no one seems to know on what that half million dollars will be spent.

The ESHPA Summer Picnic was great. If you missed it you missed a good time, an informative time. Just over 100 people attended. That's more than I remember seeing at a Summer Picnic before. Not that I have been to all of them by any means.

Our dear friend and lifetime member Fred Ludewig, from Saratoga Springs, was there at the picnic with us. Later on in the fall Fred passed away. Also leaving us this past year were Andy Card's girlfriend Jil Collier from Otto, NY, Bill Crowell, from Rome, NY, and



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Elwood "Buster" Smith, from Antwerp, NY. Especially with Fred, Bill, and Buster, it's like the passing of a generation.

Last year's honey crop, for me, was the best in 20 years. I pulled honey twice. The early honey was mostly basswood and clover. It was very light with a nice flavor. The later crop was somewhat darker with a heavier taste, probably clover influenced by bamboo nectar. The crop was such a good one for me that I am sitting here writing this to you in SC in my new 2016 Ford F-450, taking a break from the 83-degree heat.

I got my hives south with a new trucker, an experienced bee hauler with his own nets and spread boards. After getting unloaded here in SC the 2005 F-450 broke down on me again, twice actually, and

cost me another \$3,000 in repairs. So I was really glad I had a new one on order.

The Fall Meeting was another good meeting and it was especially well attended. We had good speakers, equipment displays, displays of craft and art work like the quilts and Scott Ourderkirk's and Marty Snye's Glass and Iron Work "Queen." We used the whole room for the lectures and banquet and added a table too. If we keep getting more attendance we'll have to find a larger venue. A good problem to have.

So, 2015 was a good year, full of interesting experiences. I hope that what comes from 2015, as we live through 2016, will be welcome. My daughter got engaged in 2015 and will be married May 26. That's a good thing. May good things come your way too.

~ Mark B

Why We Need Beekeeper Registration in New York State

~ Emma Mullen, Honey Bee Extension Associate
B162 Comstock Hall, Cornell University, Ithaca, NY 14853
Phone: (607) 379 7798 Email: ekm75@cornell.edu

Many beekeepers in New York have been struggling with colony loss for the past several years and want to know why their bees are doing so poorly. The Bee Informed Partnership survey estimates 54% of colonies died in New York between April 2013 and April 2014¹, which emphasizes that our bees are facing major problems that need to be addressed.

To help reverse these (and other pollinator) declines, Governor Cuomo announced the development of a state Pollinator Protection Plan. However, when we try to analyze the scope of the current situation for beekeepers, we have almost nowhere to start. We do not know how many beekeepers are in New York, how many colonies they manage, how many colonies they are losing each year, and whether some counties are being hit harder than others. These are questions for which we urgently need answers.

The easiest and most comprehensive way to understand colony health (and then work to improve it) is through beekeeper registration. Registration allows us to have exact statistics and monitor changes over time. Currently, our understandings of colony health and management practices are pieced together from three sources:

1. Apiary inspections document colony numbers and disease trends in the 35 known migratory beekeeping operations in New York.
2. The Bee Informed Partnership conducts a national survey to track colony losses throughout the summer and winter. Last year's survey included responses from 212 New York beekeepers².
3. New York Bee Wellness surveys non-migratory beekeepers throughout New York to uncover seasonal trends. Their most recent survey from summer 2015 received responses from 308 beekeepers³.

Inspection data, coupled with these surveys, give us the best insight on current beekeeping in New York, but it still represents only a small fraction (~10-15%) of the estimated 3,000-4,000 beekeepers in the state. Only a registration program can provide us with exact numbers. These data can give us a clear picture of beekeeping in New York with regards to which counties are popular for bees and how the industry is growing or shrinking each year. Such information could be useful for improving honey bee health in NY. For example, should an American foulbrood outbreak occur, we could quickly contact surrounding beekeepers to investigate its extent and prevent further spread.

With even more information – beyond basic registration – we can begin to conduct research to uncover the causal factors in colony decline and begin to figure out how to reverse these trends. Individuals who wish to help further research on bee health can choose on their registration application whether they want to be contacted by Cornell University or other accredited institutions for additional information. This information could include colony loss numbers, disease incidence, queen information, management practices, and apiary location. Having this information forms the basis for research that can uncover the real world factors driving declines in honey bee health in NYS. **The bottom line is this: in order to improve the beekeeping situation in New York, we need to know the beekeeping situation in New York.**

With this information, we could begin to find answers for the following kinds of questions:

(Questions in *italic* can be answered with basic registration; questions in black can be answered with more detailed information.)

Industry trends

1. *How many beekeepers are joining/leaving New York each year? What proportion are commercial vs. sideliner vs. hobbyists?*
2. *How many colonies is each county supporting?*

Colony loss trends

3. What are the trends in colony loss? Do annual losses fluctuate, or are they continuing to decline every year?

Disease impacts

1. What are the hotspots of disease in New York? Are there some counties that experience more pest and disease issues than others?
2. *If American foulbrood is identified in an apiary, what other apiaries are at risk?* How fast can the infection spread from one colony to another?
3. What are the virus incidence and prevalence in New York? How do these correlate with other colony health parameters?
4. Are bacteria or mites developing resistance to treatments in New York?

Habitat impacts

5. How do surrounding landscapes (e.g., urban areas, different crop types) influence colony loss, disease incidence, and honey production?
6. If a wildflower garden is planted to help bees, how many beekeepers will benefit from it? Where are the best areas to provide additional bee habitat?

Pesticide impacts

1. Are there correlations between pesticide use in an area and colony health?

Management practice trends

1. How are beekeepers managing their colonies for disease? Are these management practices effective?
2. Where are beekeepers getting their queens? Are there any relationships between queen origin and colony health?
3. Are there any differences between operation size (commercial vs. sideliner vs. hobby) and colony health parameters?
4. What kind of education programs should we develop to best serve beekeepers in NY?

Climate trends

1. How do changes in climate (e.g., temperature, precipitation, winter severity) affect colony productivity and health?

Beekeepers can benefit from registration beyond knowing they've done a good deed in providing data for monitoring and research. All beekeepers will be provided with annual summary reports to

stay informed on industry trends. These reports will be available free of charge from the state and will also be posted on the Cornell Pollinator Network website (www.cornellpollinatornetwork.com). An example of one such report (from Ontario, Canada) can be found by going to the following URL: <http://www.omafra.gov.on.ca/english/food/inspection/bees/14rep.htm>. Furthermore, beekeepers will be informed on local notices in real-time throughout the spring/summer/fall, such as disease outbreaks in their areas.

It's time we start taking the health of beekeeping into our own hands. Register your colonies. Contribute data. Improve New York bee health.

References

1. Steinhauer, N., Rennich, K., Lee, K. et al. 2015. Colony loss 2014-2015: Preliminary results, <https://beeinformed.org/results/colony-loss-2014-2015-preliminary-results/> (Accessed on November 23, 2015).
2. Lee, K. V., Steinhauer, N., Rennich, K. et al. 2015. A national survey of managed honey bee 2013-2014 annual colony losses in the USA. *Apidologie* 46: 292-305.
3. New York Bee Wellness. 2015. Spring survey 2015 NY Bee Wellness results, <http://us5.campaign-archive1.com/?u=84212338dd107852d694d9b24&id=6782521e39> (Accessed on November 23, 2015).

Cornell's Honey Bee Extension Programs Coming Back

~ Emma Mullen, Honey Bee Extension Associate
 B162 Comstock Hall, Cornell University, Ithaca, NY 14853
 Phone: (607) 379 7798 Email: ekm75@cornell.edu

The honey bee extension program is back at Cornell University and has a lot of great plans for its first year. First and foremost, a new website has been created to serve as a one-stop-shop for beekeepers and researchers alike. This website, www.pollinator.cals.cornell.edu, is constantly evolving to stay up to date on the latest:

- Bee research from Cornell University and elsewhere
- Workshops and events being held at Dyce Laboratory for Honey Bee Studies
- Monitoring and treatment practices for pests and diseases
- News on all things related to pollinators

The website is a fast, easy, and free avenue for the public to access the latest bee information. For those who are interested in more hands-on teaching resources, we will be partnering with local bee clubs and organizations to host beekeeping workshops this spring and summer. We're partnering with the Finger Lakes Beekeeping Club this spring to hold a "Queen Rearing" workshop, and we've paired up with New York Bee Wellness this summer to run their "Pest and Disease Identification" and "Train the Trainer" workshops. The latter equips beekeepers with the skills and resources necessary to identify and treat diseases themselves, and then pass the information they've learned to their fellow club members. The Empire State Honey Producers Association will also be hosting their annual summer picnic right here at Dyce! Stay tuned for more details.

Lastly, the acclaimed Master Beekeeping Program is getting restored and renovated for its anticipated launch in January 2017. We are working with the company eCornell to develop a state of the art online course that can be completed by beekeepers in their own time from their own homes. The course will be an 8-10 week interactive program with in-depth video footage of beekeeping techniques from experts in the field. The course will cover a broad range of topics from advanced honey bee biology, pest and disease identification and treatment, and other beekeeping skills. The course is aimed at people with at least three years of beekeeping

experience. To receive the certification, students must pass an in-person field and written exam at Dyce based on the topics covered in the course, as well as deliver an online presentation on a relevant research topic.

The workshops mentioned in this article, as well as the Master Beekeeper Program, are currently in development. All dates, registration information, and other details will be posted on www.pollinator.cals.cornell.edu as plans finalize. Be sure to check this site regularly for updates.

As always, please don't hesitate to contact me if you have any questions or suggestions, phone: (607) 379 7798, or email: ekm75@cornell.edu. We hope that these resources, as well as others planned in the future, are helpful to your beekeeping experience.



SPEAKER BIOS *(Summer Picnic continued from Page 1)*



Scott McArt is a Research Scientist in the Cornell Department of Entomology. Before starting as a researcher at Cornell in 2014, he completed his Master's at the University of Alaska, PhD at Cornell and a postdoc at the University of Massachusetts-Amherst. He currently has two main research interests: 1) understanding how pesticides and pathogens impact bumble bees and honey bees and 2) understanding ecological factors important for pathogen transmission at flowers. shm33@cornell.edu



Emma Mullen comes to us from Ontario, Canada, where she completed her Master's degree in honey bee behavioral genetics at Western University and served as the campus beekeeper. She then worked at the University of Guelph, reporting to the Ministry of Agriculture on the status and trends of bee health in Ontario. ekm75@cornell.edu



New Research into Learning to Keep Bees

~Ellie Andrews

We Need Your Input

I started keeping bees in 2010, when my partner and I moved into an apartment with a fruit orchard in the yard. Three years later, as a graduate student in the Development (Rural) Sociology department at Cornell, I had the opportunity to submit a grant proposal to study resilience in rural New York. I thought, well, why not look at beekeeping? Three years after that, I spend just about every day thinking about bees – or, more accurately, beekeepers.



My dissertation research asks how people learn to keep bees (in NY). I see it as a case study for how we learn about the natural world more broadly, and I think that what sounds like a fairly simple question is actually a complex one about how we relate to the environment around us. Indeed, I'm particularly interested in the question of sustainability. How do we define and practice sustainability in beekeeping, and how/why does that shift over years of learning through experience, education, and exchange? At their best, new approaches to sustainable beekeeping are pioneering something exciting; at their worst, they may be reinventing the wheel, or throwing out the baby with the bath water, by discounting other beekeepers' expertise and experience.

The local clubs are important sites of this learning, so I have

been attending club meetings around the state to see how they are organized to help members compare notes, troubleshoot problems, and collectively advance their skills. Some clubs use words like "sustainability" more than others – but all share the goal of helping their members maintain healthy hives. For a few years, I've been a member and now secretary of the Finger Lakes Beekeepers Club in Ithaca. I know it's not a competition – but I think we've got one of the best clubs around!

Finally, as background, I'm starting to look into the history of apicultural science, and particularly its origins as a professional field in the late 19th and early 20th centuries. I'm interested in the degree to which the scientific norms and institutions established during that period are still relevant today, as science – and skepticism – are both key dimensions of sustainability.

If you're interested in the project and willing to share your experiences learning to keep bees, I would be delighted to interview you, in person or over the phone, or come visit your club. You can email me at esa57@cornell.edu or call me at 917-902-2682.

Researcher as participant: the Eastern Apicultural Society's 2015 Beekeeping Olympics included a drone-spitting contest. Unfortunately, Andrews' drone didn't take flight after he was launched. To her right is Paul Kelly, research and apiary manager at the Honey Bee Research Centre at the University of Guelph.



What's New With Bee Wellness

~Pat Bono, project director, NY Bee Wellness
NYBeeWellness@gmail.com

The late winter NY Bee Wellness Newsletter has links on the newly approved and improved Hopguard II, and oxalic acid mite treatments, and other info. <http://eepurl.com/bRs8Dj>

The NY Bee Wellness Fall Survey 2015 Results are found at <http://nybeewellness.org/fall-2015-survey-results-ny-bee-wellness/>

Thank you to all who have completed the survey! The survey represents a sample of 268 non-migratory beekeepers from 56 counties in New York.

Survey highlights: The average respondent started with five hives at the end of winter and increased their number of hives by more than twofold, mostly by making splits, and entering winter with 12 hives. 25% of beekeepers intended to over winter nucs. 87% of respondents were pleased to some extent with the 2015 honey crop.

The results may also assist those who are conducting classes for, or providing mentoring to, other beekeepers. Please send any comments, suggestions, or questions.

Please watch for the NY Bee Wellness 2016 Spring Survey.

NY Bee Wellness encourages beekeepers to "Fight the Mite." We have had this invasive parasite (*varroa destructor*) in North America for almost 30 years! <http://nybeewellness.org/diagnostics/mite-check/>

The next scheduled NY Bee Wellness workshop is at Dyce Lab, August 5-7, and features Randy Oliver, well known author of ScientificBeekeeping.com. Details to be announced.



NY Bee Wellness is an educational not-for-profit 501c3, non-membership organization whose mission is to educate new, beginning, and small scale beekeepers, and others interested in honeybees and beekeeping, in honey bee disease recognition, and to provide services and information for beekeepers and the general public on maintaining healthy honey bee colonies in New York and the surrounding region.



Randy Oliver teaches at NY BeeWellness, July 2013

Honey Show Results, New Rules

~Jon Ryan

The 2015 Roger A. Morse Honey Show, which was a part of the fall meeting of the Empire State Honey Producers' Association, was a resounding success; thank you to all who participated. It was a success in terms of the number of participants, the number of samples submitted and the quality of the samples. Twelve individuals entered samples of extracted honey or beeswax or beeswax candles or mead or a combination of all. The total number of samples were as follows: Fifty seven one-pound jars of honey, five one-pound samples of beeswax, two molded dinner candles, one submission of dipped dinner candles and six mead entries.

Assisting greatly with the judging and organizing were Sue Garing, Ben Rulison, Jim Doan, Dan Winter and Ann Sill. Their help was greatly appreciated.

The extracted honey samples were all of impressively high quality which makes judging quite difficult. The only way to separate the best from the very best required the judges to deduct points for very nitpicky criteria such as a dimple in the glass or all three samples not being equally filled. The one fault found most consistently was tiny air bubbles suspended throughout the sample. Only a few samples contained any lint, wax flakes or crystals and, of those, the amount was very minimal. The air bubbles, lint, wax flakes, crystals and glass imperfections in any of the samples would have been nearly impossible to detect if it were not for the use of a polarimeter which uses two sheets of polarizing film and a light source to make these defects stand out.

The samples of one-pound blocks of beeswax and beeswax candles were also of very high quality. Uniformity and shrinkage marks were where most points were lost.

Please see the article in this newsletter by Bob Talkiewicz regarding the mead portion of the show.

So, here are the results of the 2015 Roger A. Morse Honey Show:

Best of Show – Mark Fiegl for his amber extracted honey.

Class: Extracted Light -	First Place	Mark Fiegl
	Second Place	Frank Kogut
	Third Place	Kimberly Carpenter
Extracted Amber -	First Place	Tom Wells
	Second Place	Bill Powell
	Third Place	Henry Brooks
Extracted Dark Amber -	First Place	Mark Fiegl
	Second Place	Tom Wells
	Third Place	Lucinda VanVleck
Extracted Dark -	First Place	Bill Powell
	Second Place	Lucindia VanVleck
One Pound Beeswax -	First Place	Mark Fiegl
	Second Place	Ann Sill
	Third Place	Lucindia Van Vleck
Candles Molded -	First Place	Mark Fiegl
	Second Place	Bill Powell
Candles Dipped -	First Place	Ann Sill
Most Points:	Mark Fiegl

A blue ribbon was given to each first place winner along with prize money in the amount of \$100. A red ribbon and prize money of \$50 were given to second place winners. A \$200 award was given for the Best of Show and the individual with the most entry points earned an additional \$50. This year Mark Fiegl had the Best of Show, four first prizes and the most entry points, earning him a total of \$650. There is no reason any member of the Empire State Honey Producers Association could not walk away with that much or even more next year. So spend some time working on those samples. The ribbons, the money and most of all, the prestige will make your time and effort worth it.

When Is Your Honey Bee Colony Ready for “The Puberty Talk”?

~Michael L. Smith, smithleemichael@gmail.com
Department of Neurobiology and Behavior
Cornell University

Puberty is an unlikely topic for the Empire State Honey Producers Association newsletter, but it is a special time in any organism's life, and I'll do my best to keep this professional. Before puberty, an organism invests its resources in two areas: survival and growth. Once an organism begins to also invest in reproduction, puberty begins. Sure, that 13-year-old boy with a cracking voice probably isn't producing sperm and fathering children, but he certainly is on his way. It's a critical developmental transition that all organisms undertake, even colonies of honey bees.

What does puberty in a honey bee colony look like? A fully reproductive honey bee colony is a hermaphrodite, capable of reproducing by producing males (drones) or females (swarms). Mature drones are produced before swarms, so to determine the very first investment in reproduction, we have to go back to the very first stage of producing a drone. And what's that? Yes, it's our favorite comb, those large cells of drone comb. When workers build drone comb, it's the equivalent of the colony going through puberty. Even if the colony might not use the drone comb for rearing drones until the following year, the specialized cells are a sign that reproduction is somewhere on the horizon.

So, what do we already know about honey bee colonies going through puberty? Since the 80's, we've known that large colonies begin to build drone comb earlier than small colonies (Lee and Winston 1985). But large colonies are different from small colonies in almost every way: large colonies have more worker comb, more honey stores, more brood, and more workers (Rangel and Seeley 2012). What is it about being in a large colony that triggers workers to build drone comb? This is what my colleagues and I set out to determine.

We wanted to see which colony parameter(s) would trigger workers to construct drone comb. These parameters included: number of workers, area of worker comb, area of worker brood, and area of honey stores. We needed to increase just one parameter, such as the area of worker comb, while keeping all other parameters equal. Therefore, we could see how increasing a single parameter might (if at all) increase the area of drone comb built.

Feel free to take a minute here and think about which parameter you think would trigger a colony to build drone comb. I'm sure you have lamented the zeal with which bees seem to build drone comb

wherever they can, and you might have also noticed that the largest colonies built drone comb with the most fervor. But remember that “large” encompasses many parameters, so what part of “large” really matters? To be perfectly honest, any of the parameters were plausible, or even a combination of the parameters. Once we amassed the data, however, we found that increasing the number of workers was the only parameter that led to an increase in the proportion of drone comb built. Furthermore, if we increased the number of workers in all the treatment groups, no additional drone comb was built even if the colony also had more worker comb, worker brood, or honey stores. We had a solid answer: the colony parameter that induces a colony to switch from building worker comb to drone comb is the number of adult workers (Smith et al 2014).

What does this mean? First off, it's cool! The workers are somehow detecting the number of other workers in the colony. If that number is over a size threshold, then the workers begin building drone comb. As with most research, answering one question raises more questions. Why use worker number to trigger puberty? If I can speculate a bit, this might be because the number of workers in a colony is the most reliable currency that a colony has for detecting that it can afford to invest in future reproduction. Worker number is intricately linked to other important metrics of colony survival, such as the amount of honey a colony can store before winter. Therefore, colonies that do not have enough workers to adequately survive and grow cannot invest in reproduction. But how exactly does one bee “know” how many other bees are in her colony? Right now, I have no idea, but investigating that mystery is the next stage of my PhD... Stay tuned.

P.S. If you would like to read more about this project, please check out the full publication (references below). If you're unable to obtain a PDF of the article, please get in touch. I know a guy who knows a guy.

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2015 Fall Board Meeting Minutes

Embassy Suites, East Syracuse, NY
November 19, 2015

Roll Call- Mark Berninghausen, Sue Garing, Michelle T. Fuller, Ben Rulison, Aaron Morris, Jon Ryan, Ben Carpenter, Bill Roome, Dan Winter, Eric Sprout, Chuck Kutik, Jim Doan, Alayne Doan.

Guests- Karen Kutik, Kim Carpenter, Bob Talkawic, Michele Colopy, Earl Veleco, AIAC guy, Rullison worker. Jon (w/Art Gerber), Ann Sill, Bill Powell.

Mark opened the board meeting and welcomed all there. Mark noted that there was not a representative there from Long Island.

Sue Garing presented her treasurer's report, and noted that Ann Sill and Karen Kutik will be auditing the books at the end of this conference.

Motion #1 to accept the treasurer's report as read by Jim Doan, seconded by Dan Winters. Vote passed.

Alayne Doan presented the Summer Board minutes.

Motion #2 to accept the minutes as read by Chuck Kutik, seconded by Jim Doan. Vote passed.

State Fair Committee: Hans Junga gave his report on the 2015 state fair booth, stating that the fair booth was once again a success. The booth had lots of honey once again to sell, with some left over. Christina Wahl created an excellent educational display of different pollinators. Hans announced that our booth won the state fair's "Best Horticultural Display" Award for 2015. Hans thanked everyone for helping out and making this year's booth a success.

Meeting Committee: Chuck Kutik discussed this year's meeting. Chuck said that everything was good to go. All speakers and vendors were scheduled to arrive. Chuck mentioned that the committee was working with the hotel to change next year's meeting to an earlier weekend. Also he noted that the committee had taken a tour at the neighboring Double Tree Hotel earlier that day in case our current hotel could not fit our growing membership and vendor needs.

By-Laws Committee: No report.

Mark Berninghausen presented Michael Colopy, who spoke on the Pollinator Stewardship Council.

Website/Newsletter Committee: Both Ben Carpenter and Sue Garing said they were always looking for content, and to please forward on to them. The newsletter submittal deadline is March 2016. Sue and Ben Carpenter asked if the board supported the cost (~\$500) of print copies and the consensus was "yes."

Beekeeper of the Year Award Committee: Jon Ryan displayed to the board this year's silver bowl to be given as the Beekeeper of the Year award. Committee: Jon Ryan, Dan Winter, and Ben Carpenter. Ben Carpenter read a proposed description of the nomination "requirements" to be put on the web with a list of former recipients. The board approved the text.

Membership Committee: No report.

Nominations Committee: Bill Roome reported that there had been no nominations received for this year's slate of elections. It was discussed that a show of hands would decide the votes at the General Membership meeting election, and that Bill would run this year's election. The committee was unable to find a replacement for the L.I. Director. A discussion of the pre-meeting 10-day membership deadline followed. Aaron noted that by adopting Roberts Rules of Order we adopted the deadline. Mark Berninghausen requested that we make that deadline very clear by putting it in the newsletter and on all membership forms.

Outreach and Promotions Committee: No report.

Old and Unfinished Business: No reports.

New Business: Mark Berninghausen reported on Central Maryland Bee Association's request for board support on an issue they were supporting.

Mark Berninghausen discussed proposed NY legislation to grant individuals money to buy bee equipment. The board did not support the draft legislation as written. The board directed Mark to write a letter of support for directing the funds to bee research at Cornell.

Alayne Doan presented a proposal by Sarah Rid-Laird "Bee Girl" to do a parallel kids' program at the next Fall meeting. Her fee is \$1,500.

Motion #3 by Bill Roome that we as a board set up an educational fund of \$1,500 a year. Seconded by Chuck Kutik. Vote passed.

A discussion was held by board on the student membership dues and registration fees. The board decided to add a "student registration" level for the next fall meeting. The new policy would permit a "matriculated student to receive a half-price registration with student ID." This should be published in the newsletter.

Motion #4 by Aaron Morris that a matriculated student may receive a half price registration with student ID at the fall meeting. Seconded by Jim Doan. Vote passed.

Motion #5 by Bill Roome "We as a board would like to support the draft proposal of registration of beekeepers (not yards) in NY State. This would include information such as mailing and physical addresses of beekeepers, county bees are kept in, and number of colonies per county." Seconded by Jon Ryan. Vote passed by roll call vote of 8 yeas; 2 no's and 1 abstention.

Motion #6 to adjourn by Dan Winters, seconded by Ben Carpenter, 10:40 pm.

Adjourn

Respectfully submitted by;

Alayne Doan

ESHPA Secretary

**ESHPA members may attend ESHPA board meetings.
Officers and directors
welcome your suggestions at any time.**

2015 Mead Show Results

The first annual ESHPA Mead Show

The judges of the first annual ESHPA Mead Show raise a glass to all the entrants and their best brews!

The winners are:

First Place: Shelley Stuart - \$100

Second Place: Sue Garing - \$50

Third Place: Henry Brooks

Thanks to Bob Talkiewicz for organizing the contest.



2015 Summer Board Meeting Minutes

Greenwich, NY July 18, 2015

Roll Call

Mark Berninghausen, Dan Winters, Chuck Kutik, Eric Sprout, Bill Roome, Ben Carpenter, Jon Ryan, Alayne Doan, Jim Doan, Andy Card, Ben Rulison, Sue Garing, Aaron Morris

Review & Approval of Winter Board Minutes- Secretary made note of changes to winter board minutes and will make necessary changes.

Motion #1 by Chuck Kutik "To approve the winter board minutes as corrected." Second by; Dan Winter. Vote passed.

Officers Reports

- President Mark Berninghausen requested board members report on their honey bee observations once a month.
- Treasurer Sue Garing gave her report. Sue requested that an annual audit be done at the fall meeting.

Motion #2 by Sue Garing "To accept this Treasurer's report as read, and to have an internal audit done on the books." 2nd—Dan Winters. Vote passed.

Committee Reports

State Fair Committee—Hans reported all the paperwork required had been signed and everything for the booth was ready to go. Hans said that our booth did lose some space this year, but that we still had a good 40 feet which is still more than in the distant past. Hans went on to say that he was looking for booth volunteers, and that donated honey for the booth was also needed. He especially needed cut comb.

Meeting Committee—Chuck Kutik reported that all the planning for the meeting was going well, all the speakers had been chosen, and they had all replied that they would attend. Chuck reported that the information about the meeting would be up on the website soon, and that a flyer was in the works again like last year. This flyer would be available for handing out to the state fair and placed in both the American Bee Journal and Bee Culture Magazine.

The committee discussed having a raffle that next day at the summer picnic for two tickets for a stay at the Embassy Suites during the annual meeting. The money would go directly to Bee Wellness.

Motion #3 by Jim Doan "To raise money for "Bee Wellness" at our state picnic. We will raffle two 2-night gift certificates for the Embassy Suites- Syracuse. This could only be used for a stay during our fall annual meeting." 2nd—Chuck Kutik. Vote passed.

Bylaws Committee—No Report.

Website, Newsletter Committee—Sue Garing requested that board members take photos of tomorrow's meeting and the fall meeting for the newsletter. Sue asked the board for newsworthy articles for the newsletter. Steven Wilson offered to submit AIAC material. Jon Ryan requested that the newsletter state that the Rodger Morse Honey and Mead Show will be Friday, November 20, 2015, at noon. Ben Carpenter requested honey bee related news and photos from board members for the website.

Bee Keeper of the Year Committee—No Report

NY Bee Wellness Committee—No Report.

Membership Committee—Mark Berninghausen suggested that we place a description of ESHPA up on our website and ask our membership their thoughts on how ESHPA should move forward in the future. Mark also stated that he suggested the board again this year attended club meetings to improve communications, and to show support at the local level.

Alayne Doan will look into podcast opportunities for future board meetings.

Outreach & Promotion Committee—Andy Card talked of the importance of an apiary specialist or a technician at Cornell University. Andy will look into more ways to come up with the funding for this position. Andy said there are big businesses (i.e., Wegmans, Inc.) out there who are looking to donate to causes like ours, and also mentioned GoFundMe.com. Mark Berninghausen also said he would help with this cause.

Andy Card discussed an EPA proposal limiting chemical applications during contracted pollination services. There will be a 30-day comment period. Ben Carpenter will put the information on the webpage. Andy Card, John Ryan and Alayne Doan will write up a letter from ESHPA to show the EPA our support of this proposal.

Motion #4 by Andy Card "To create a response to the EPA website that states that ESHPA Inc. approve their proposal." 2nd—Jon Ryan. Vote passed.

Nominations Committee—Bill Roome asked the board who was to term out this fall, and if they wished to run again for the next two years. All replied yes they would re-run for 2016-2017.

Legislative Committee—No Report.

Policy Manual Committee—No Report.

Speaker Bureau Committee—No Report.

Old & Unfinished Business

No business.

New Business

NY BeeWellness requested ESHPA funding for the upcoming teaching program at Cornell. Dan Winter, Aaron Morris and Ben Carpenter spoke about the program's good merits and how well it provides education for the honey bee industry.

Motion #5 by Dan Winter "That ESHPA donate \$1,500 to be given to NY Bee Wellness for its upcoming program at Cornell." 2nd—Aaron Morris. Vote passed.

2015 Rodger Morse Honey and Mead Show—Jon Ryan will purchase ribbons for the show. Discussion about drawing judges from local breweries for the mead show followed.

Motion #6 by Aaron Morris "Up to \$2500 be used for the 2015 Rodger Morse Honey and Mead Show." 2nd—Dan Winter. Vote passed.

Adjourn—9:50pm

Respectfully submitted by:

Alayne Doan- ESHPA Secretary



2015 Post Fall Meeting Board Meeting Minutes

Embassy Suites, East Syracuse, NY November 21, 2015

Present: Mark Berninghausen, Chuck Kutik, Eric Sprout, Michelle Fuller, Sue Garing, Bill Roome, Ben Carpenter

Guests: Hans Junga, Karen Kutik

Chuck reported that Dyce Lab is booked for the ESHPA Summer Picnic, as Earl Villeco (not present) had suggested.

Chuck asked if we should move the Fall Meeting date up to a week earlier to avoid the opening of deer season. This will be looked into and decided upon when the hotel's schedule is available.

The possibility of having a joint meeting in 2018 between PA/NY/ONTARIO in Niagara Falls was suggested by Linda Hanckenberg (not present at the meeting).

There was discussion about appointing a Long Island director.

Having a round table question and discussion period at the next Fall Meeting was discussed.

Shelly Stuart (not present) reported through Sue Garing that attendees at the bee club presidents meeting:

- expressed a desire for speakers from ESHPA
- wanted information passed from ESHPA
- wanted to post their local club meetings on ESHPA's Facebook page. Mark Berninghausen said send information to him and he will post it.

Sue Garing expressed a need for more help at the registration table before and during the Fall Meeting. Perhaps local clubs could help as they do at the state fair.

The board will have a conference call a week before the Fall Meeting to make sure everyone is on the same page as to what are their duties.

At the spring board meeting a student rate for meeting attendance and membership will be set.

Ben Carpenter was charged with coming up with ideas about communicating with local clubs better.

A 2015 Fall Meeting issue: The vendor coordinator needs to be on site by 4pm Thursday evening so vendors arriving early can be taken care of and issues resolved before the next morning.

It was reported that the Butternut Valley Grange made a resolution to the NYS Grange in support of making it easier for beekeepers to obtain antibiotics. This resolution is titled "The Butternut Valley Grange Resolution 1533, passed October 12, 2015, on AFB and the Honeybee, regarding procurement of TM & Tylosin." A motion to present the Butternut Valley Grange Resolution 1533 to NYS Farm Bureau was made and seconded. The motion was voted on and passed with 6 for and 1 against. Karen Kutik will take Resolution 1533 to the NY Farm Bureau.

The next board meeting is set for February 12, 2016, with the 19th as a backup date if need be, at the Embassy Suites, Syracuse.

Agenda items for next meeting:

- purchase of a display case to use at the state fair so items can be better and more safely displayed
- define local club membership. This is to attract more people from local clubs to ESHPA.
- send questionnaires to local clubs to determine what they might want from ESHPA.

Adjourned,

Submitted by Mark Berninghausen, president



Jessie the bear takes up beekeeping at the Fall Meeting



2015 Fall General Membership Meeting Minutes (draft)

Embassy Suites, East Syracuse, NY.

November 20, 2015

Mark Berninghausen opened the meeting and established that there was a quorum of members present.

Sue Garing gave the treasurer's report. She noted that ESHPA finances were in good shape. ESHPA has increased the bank balance over the same time last year. She noted that the state fair booth brought in more money, and that those funds were used to enhance the state fair educational display. Karen Kutik and Ann Sill were auditing the books at the meeting.

The treasurer's report was accepted.

Alayne Doan presented the Summer Meeting minutes. (minor spelling errors).

Motion 1 to accept the summer meeting minutes was made by Joe Rowland, seconded by Dan Winter. The vote passed.

State Fair Committee: Han Junga gave a report on the 2015 ESHPA state fair booth. All products were available for the duration of the fair (supplies were good). He thanked Kutik's Honey and Squeak Creek for donating their products. He stated that we had a good variety of honey and honey products. He thanked the numerous volunteers who staffed the booth. He mentioned that the ESHPA booth educational display won an award.

AIAC Liaison Report: Chuck Kutik mentioned that the AIAC discussed Scott McArt's research projects, the development of the NY Pollinator Protection Plan, and the need for data about NY beekeepers. In particular he discussed Scott McArt's desire for a method to determine the number of beekeepers and number of hives in NY. Dr. McArt noted that without data he cannot get grants. The AIAC supports a draft proposal for a regulation requiring beekeeper to provide the number of hives per county, and location of beekeepers. The draft legislation will be presented around the state for consideration by beekeepers.

Elections Committee: Bill Roome stated that the current officers would run again but he asked for nominations from the floor. None were submitted. The following slate was presented:

President – Mark Berninghausen
1st VP – Chuck Kutik
2nd VP – Eric Sprout
3rd VP – Dan Winters

Bill Roome stated that the Long Island director position was open. No one stood for the office so it will remain open until a director is appointed by the board.

Motion 2: Greg Kalicin made a motion to close nominations and cast one vote, seconded by Jon Ryan. The motion passed.

OLD AND UNFINISHED BUSINESS:

None

NEW BUSINESS:

Fred and Dolores Ludwig were grateful for the get-well card sent on behalf of ESHPA by Alayne Doan.

Motion 3: Greg Kalicin made a motion to donate \$3,000 to the Pollinator Stewardship Council. Seconded by Jon Ryan.

Discussion in favor of the work and organizational support services offered by the PSC followed. Some members felt that the money should be spent on NY organizations. Greg withdrew the motion.

Motion 4: Bill Roome made a motion to donate \$5,000 to the Pollinator Stewardship Council so that ESHPA would have a particular PSC membership level and receive increased support benefits from the PSC. Seconded by Jon Ryan. The motions passed. (A check for \$5,000 was handed to Michelle Colopy at the meeting by Sue Garing.)

Motion 5: Jim Doan made a motion to donate \$5,000 to Jonathan Lundgren's foundation. Seconded by Jon Ryan.

A discussion of the status of this new foundation and its benefit to NY beekeepers followed. Chuck Kutik proposed that Dr. Lundgren give a talk at the summer picnic in which he outlines the work his foundation proposes to do. Peter Bizzoso moved the motion. The motion did not pass.

Mark Berninghausen requested that Christine Wahl Lowe contact Dyce Lab about the status of the lab, whether they can accept donations, and what they would do with the funds.

In response to a proposal to give \$500 scholarships, Mark Berninghausen mentioned the board passed a motion to create a \$1,500 educational fund line item.

Motion 6: Peter Bizzoso made a motion to adjourn, Seconded by Jon Ryan. Passed.

FDA Issues New Regulations on Antibiotics

The FDA has issued a new regulation to better control the use of antibiotics in the food chain. The regulation requires a veterinarian's prescription to obtain and apply antibiotics in animal feed.

Here are the new regulations:

<http://www.fda.gov/downloads/AnimalVeterinary/GuidanceComplianceEnforcement/GuidanceforIndustry/ucm052660.pdf>

What does this mean for beekeepers' use of products such as terramycin to control American Foul Brood (AFB)? We don't yet know. The over-the-counter sale of antibiotic based AFB controls will end December, 2016, if they fall under these regulations.

Paul Cappy, NY State Apiarist, is working to clarify the issue.

~Sue Garing

Calling All Bee Club Presidents!

You are invited to join a new, virtual network of local bee club presidents. This group was conceived at the fall ESHPA meeting as a support network for bee club presidents and officers. We need to discuss the obstacles we face, the solutions we've attempted, to reach out to each other for speaker ideas, to cast about for meeting topic ideas, bounce ideas off of one another, etc.

For example, two popular hurdles for us are succession planning and burnout. Another is encouraging more membership participation within our groups.

The Finger Lakes Beekeepers Club now hosts an email list for our fledgling president's discussion group. To join, email President@FLBeeclub.com, and I will send you a subscription link. Please note your club's name and your officer status in the email to me.

~Shelley Stuart
President
Finger Lakes Beekeepers Club
<http://flbeeclub.com>

ELAP Disaster Assistance Funding

Millions of federal FSA dollars are available to cover commercial apiary losses, and extra feed costs, due to weather events and CCD—volcanic explosions included. You are strongly encouraged to document the size and location of your apiary operations on a yearly basis with your local FSA office before claims are made.

For a summary of the program read a the "Fact Sheet" at https://www.fsa.usda.gov/Assets/USDA-FSA-Public/usdafiles/FactSheets/2015/honeybees_assistance_aug2015.pdf

The full regulations, including documentation requirements, are here (search "honey"): http://www.fsa.usda.gov/Internet/FSA_File/1-ldap_r01_a02.pdf

~ Sue Garing

Pollinator Stewardship Council Update

Beekeepers Supporting Beekeepers

Empire State Honey Producers Association supports the work of fellow beekeepers working for beekeepers. During the November ESHPA Conference, a donation of \$5,000 was made to support the work of the Pollinator Stewardship Council. Collaborations build organizational strength, and helps us all work better to improve the health of honey bees and native pollinators, and beekeeping. The Pollinator Stewardship Council's mission is to defend managed and native pollinators vital to a sustainable and affordable food supply from the adverse impact of pesticides. Their work is accomplished through three objectives:

- **raise awareness about the adverse impact of pesticides on pollinators critical to the supply of food and the ecosystem**
- **provide advocacy, guidance, and tools to document the detrimental effect of pesticides on pollinators**
- **affect regulatory processes of pesticide risk assessment, label, and enforcement.**

You can review the details of their 2015 accomplishments at <http://pollinatorstewardship.org/?p=4002>

The Pollinator Stewardship Council is working to educate beekeepers about the State Managed Pollinator Protection Plans being developed across the country. Also, known as MP3s, you can find information about different state plans at http://pollinatorstewardship.org/?page_id=2816

~Michele Colopy

Program Director, Pollinator Stewardship Council, Inc.
www.pollinatorstewardship.org



Club Profile: Southern Tier Beekeepers Association in Binghamton

~ Sue Carmalt

The Southern Tier Beekeepers Association, based in Binghamton, NY, has members from five different counties in NY as well as three counties in PA. Membership has increased greatly over the past few years to the current level of around 126. Monthly meetings are packed with eager beekeepers.

STBA holds a new beekeeper class each winter. The last class had 60 in attendance. In addition to the new beekeeper classroom experience, there are additional apiary hands-on sessions to allow newbies some exposure to beekeeping before they go out on their own.

In addition to the new beekeeper class, the club holds an advanced beekeeper class every other year. Monthly meetings have an educational component, with topics presented by club members or outside speakers.

Spring/summer apiary visits are scheduled at club hives, where experienced members demonstrate seasonal manipulations such as splits and mite counts.

The club organizes a nuc order for its members each spring which includes help with distribution of these nucs.

STBA holds an annual picnic we encourage spouses and families to attend. This is an enjoyable time to get to better know our members.

The club has a website <http://www.southerntierbeekeepers.org> and a facebook page where information is shared and questions from new beekeepers are answered. Our Internet presence has helped many "stumped" beekeepers. Please visit for more details on every aspect of club activities and resources.

Photos: STBA winter and summer classes



OBITUARIES

William 'Bill' Hume Crowell, 86

William "Bill" Hume Crowell, 86, of Floyd, died Wednesday, December 23, 2015 at Rome Memorial Hospital. He was born September 8, 1929 in Hyannis, MA, the son of Marcus and Jane Hume Crowell. Bill Graduated from John Simpson High School Yarmouth, MA, Stockbridge School of Agriculture, Amherst College, and ROTC Program at University of Massachusetts. On March 28, 1954 he married Ruth Smith Davenport in Shelburne Falls, MA. She died April 27, 2011. Bill served in the U.S. Air Force from 1954 until his retirement in 1975 as a Major. Bill was a beekeeper and at one time a NY State Apiary Inspector. Bill was a member of Trinity United Church of Christ, Rome, a member Mount Horeb (D) Lodge A.F. & A.M. of S. Dennis, MA for over 60 years, Oneida County Farm Bureau, NY Bee Keepers, Grange, 4-H, Retired Officer's Club, and Original Tea Party Republican. Bill was a Boy Scout Master for many years.

He is survived by his daughter, Lori Ammerman of California; a granddaughter, Jennifer Williams and her husband Brian and their son Harry; three grandsons, Peter Ammerman and his wife Bree, Jeffrey and Jeremy Ammerman; one sister, Nancy Allen and husband Richard of MA. He was predeceased by two sons, Marcus Crowell in 1999 and William Crowell in 2014.



Elwood 'Buster' Smith, 76

Elwood "Buster" Smith, 76, of Loris SC and Antwerp, NY, passed away peacefully in his sleep on January 22, 2016, surrounded by his family. Buster was well known for his love of his beekeeping business, his generous nature and his witty sense of humor.

Buster is predeceased by his first wife, Jeanne Murdock Smith of Antwerp, NY.

Buster is survived by his wife, Carol Ann Smith, Antwerp, NY. His three children, Daniel (Martha) of Florence, SC, Dana Smith of Palm Beach, FL and Diane McIlroy of Adams Center, NY. He is also survived by three step-children, Kim (Rick) Fiaschetti of Sackets Harbor, NY, Karen (Larry) Jobson of Brownville, NY and Kathryn (Jeffrey) Monaghan of Adams Center, NY, his brother Hoyt (Evonia) of Loris, SC., 11 grandchildren, 6 great grandchildren and several nephews and nieces.

Buster will truly be missed by all whose lives he touched.

A service will be held in Loris, SC at the family convinces and a service and burial in Antwerp, NY in the spring.



Fred Ludewig, 89

~ Earl Villecco

ESHPA has lost one of its own and a great beekeeper, Fred Ludewig. Fred passed peacefully December 10 at home with his family by his side. Fred was 89. He leaves his wife Doris (married for 62 years), a daughter Judy, son Erick, five grandchildren, and four great grandchildren.

I've known Fred about 35 years since joining ESHPA. Fred had a wealth of information about the history of ESHPA and was our historian for many years. He recently passed that job on because of declining health.

We worked together for many years at part of the ESHPA committee for "Beekeeper of the Year."

Fred was awarded the second honorary lifetime membership, second only to Roger Morris. I was honored with the privilege of presenting the award to him in 1999. Fred was also awarded "Beekeeper of the Year."

Fred, along with Bob Stevens and Al Lounsbury, started the Southern Adirondack Beekeeper Association in 1982. Prior to starting SABA, he and son Erick had taught beekeeping classes since 1975.

We had many great phone conversations over those years and they will be missed. ESHPA will also miss his knowledge and wisdom.



Bill Roome's bees show their ESHPA pride

Ohio Prairie Nursery & ESHPA

We are pleased to announce that we have partnered with the Empire State Honey Producers Association in the creation of four different mixes to support bee and pollinator habitat. These include ESHPA Native Wildflower Bee Mix Seed Packet, ESHPA Shade Bee Forage Mix Seed Packet, ESHPA Roadside Bee Forage Mix and the ESHPA Ground Cover Bee Mix. To purchase these mixes, please visit www.eshpa.org and click the link to Support the Cause with a purchase from Ohio Prairie Nursery. When you use this link to shop, a portion of your purchase will be donated to the Empire State Honey Producers Association to support mission and education efforts.



Ohio Prairie Nursery has been a source for native seeds since 1998. Whether this is new to you or you are already using native seed, you are making a positive difference and an important contribution to the future. When it comes to creating your own pollinator paradise for bees, we offer high quality native grasses, native wildflowers and native seed mixes to cover any area and support all soil types and applications.

~ Emily Riddell
Marketing Coordinator, 330-569-3380

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Director-At-Large **Ben Carpenter** ben@hungrybearfarms.com

Webmaster

Historian **Hans Junga** hans@castletv.com



Send memberships and address corrections to aedoan@rochester.rr.com

ESHPA Newsletter Deadlines

The ESHPA newsletter is expanding! We'll continue to publish two paper newsletters in advance of our Summer Picnic and Fall Meeting, but check your inboxes for more current events mailings from ESHPA. Have a regional meeting or a bee class that NY beekeepers need to know about? Let ESHPA know and we'll help you get the word out.

Summer Newsletter deadline: April 1

Fall Newsletter deadline: August 1

ESHPA Voting Bylaws Extracts

"Annual and life membership dues are set by the board of directors and approved by the general membership. Only paid-up members are eligible to vote on corporate business."

"Spouses of members must take out a separate membership if they wish to vote."

"A paid-up membership is entitled to one vote."

"A membership roll showing the list of members as of the record date, certified by the secretary of the corporation, shall be produced at any meeting of members upon the request therefore of any member who has given written notice to the corporation that such request will be made at least 10 days prior to such meeting. All persons appearing on such membership roll shall be entitled to vote at the meeting."



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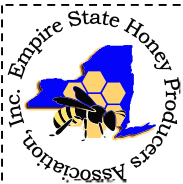


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Empire State Honey Producers Association, Inc.

Membership Form

Please complete this membership form and send it along with a check (payable to E.S.H.P.A.) to

Alayne Doan, Secretary

343 Morton Rd.

Hamlin, NY 14464

Or join **online** at www.ESHPA.org

Please select a membership year:

Dues for membership year January 1- December 31, **2016** see list below

Dues for membership year January 1- December 31, **2017** see list below

Please select a membership level:

Commercial (300 + hives) \$100.00

Sideliner (50-299 hives) \$ 50.00

Hobbyist (0-49 hives) \$ 30.00

Student \$ 10.00 (nonvoting)

You can also pay for your ESHPA dues online. Membership is individual, one membership one vote. ESHPA bylaws require membership to be paid in full 10 days before a General Meeting to vote at that meeting. Thank you for joining/renewing.

\$_____ Total amount enclosed

Only individual dues-paying members may vote. One vote per member.

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Revised 3/4/2016 SCG



ESHPA
343 Morton Road
Hamlin, NY 14464

Calendar of ESHPA Events

ESHPA Summer Picnic: July 23, 2016

ESHPA Fall Meeting: November 4-5, 2016

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