

The Texas Beekeepers Association

# Journal



Summer Clinic June 22nd  
Pages 4-6



# HEART & SOUL

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## President's Report from Blake Shook

Hello Friends!

Welcome to the most exciting time of year for beekeepers! There is nothing like watching your hive grow, your queen lay beautiful frames of brood, and to see them (hopefully) begin to fill up supers with honey. So far in most of the state the honey flow thus far has been very good! Plentiful spring rain followed by warm weather has caused flowers to explode across Texas. At the time I'm writing this, it appears 2019 could be one of the better years for honey production in Texas. Let's keep our fingers crossed!

In between supering bees and harvesting honey, I do have a handful of important updates that I would like to share with you all.

As you are most likely aware, the legislative session has ended in Texas. Unfortunately, no bee bills were passed. However, we are very pleased with the relationships, experience and position we are in for the next session. Representative Springer, who is the Chairman of the House Agriculture and Livestock Committee, chose to table all bee related bills this year regardless of who or where they were from, and spend the next few years taking a deeper dive into what needs to be done in regards to bee laws in Texas. We are very excited about the possibility of working with Rep. Springer and accomplishing even more the next time around.

I do want to thank the many TBA volunteers, in particular Leesa Hyder, Ashley Ralph, John Swan and Chris Moore who spent many hours and days traveling, all on their own dime, working for beekeepers in Texas. We were also extremely fortunate to have August Dannenmaier of the Legislative Lawyering Clinic helping us with research and strategy, as well as Joe Morris representing us at the Capital. Both gentlemen volunteered countless hours to help us this year.

While there has certainly been no shortage from many sources of incorrect information around all of the efforts this year, you can be proud of those that represented you as beekeepers, and assured that they worked tirelessly for no personal gain to better beekeeping and beekeepers in the state. Please let us know if you have any questions, and we are happy to answer anything.

The TBA summer clinic is also upon us! There are many other references in far greater detail elsewhere in the Journal, so I will simply encourage you to attend, and I look forward to seeing you there!

On a more nationwide scale, I attended the National Honey Board meeting in early May. We were busy at the time shipping

our bees from North Texas to Houston for honey production. We typically move bees into honey production yards from sunset to sunrise, catch a couple hours of sleep at a Motel 6, then add honey supers all day, and move bees again all night. As a representative of beekeepers/producers on the National Honey Board, having the meeting in the midst of the crazy portion of the beekeeping year is always a reminder of how much work and effort it takes to produce our honey.

Some interesting developments have occurred regarding the demand and price point for domestic honey. For the last decade we have seen honey usage in the USA almost double. This has lead to a fairly consistent increase in domestic prices. However, for the first time in many years we are seeing a softening, and slight decline in usage. Even more concerning is the decline (and expected continual decline) of domestic bulk honey prices, and an increasing number of honey brands and store brands converting to a cheaper domestic/import honey blend or pure import blend.

While many theories exist as to the cause, there are a few key issues that appear to be major contributors. One is that, according to many surveys of consumers, honey has simply become too expensive in retail grocery. A second factor is that many are actively working to reduce their sugar intake. These two factors are especially true of the Baby Boomer generation. They comprise 20% of users, and are reducing their honey consumption. On a more positive note, the Millennial and Gen X generations are increasing their consumption, but not enough to offset the lost usage.

As beekeepers, we love seeing the price of domestic honey increase, and go sky high. The unfortunate side effect is that if retail or ingredient honey prices climb excessively, consumption and demand will begin to drop, as we are currently seeing. Consumers and manufacturers will begin using other forms of sweeteners, or cheaper honey from other countries. As a beekeeper, I think we should be getting 2-3x the price we currently do for our honey, however, we are bound by consumer demand. Honey is still a commodity, and we must keep the end price to the consumers in mind. As someone who packs and produces honey, it is always fascinating to see both sides of the coin.

One positive note is that Texas honey has been partially insulated from this decline due to the fact we consume far more honey than we produce in Texas. There is also a huge demand for Texas honey. Programs like our Real Texas Honey program certainly help keep pricing up as well!

We are off to harvest honey...may your supers be full this month! See you all at the Summer Clinic!

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Honey Bee Program Director,  
author of "First Lessons in  
Beekeeping" and a leading  
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### Interactive Classes:

- Queen Rearing Panel
- Beekeeper Story Telling - Lessons Learned
- Honey Tasting
- Making Lotions & Lip Balms
- Mite Counts

### Other Fun Classes:

- Native Bees of Texas
- Bees for Agricultural Exemption
- Apitherapy

We are so excited to bring in a group of AllStar speakers and topics to you this summer.

Find more detailed information as it becomes available at [www.texasbeekeepers.org](http://www.texasbeekeepers.org)

# Texas Beekeepers Association Summer Clinic Schedule

\*Schedule is subject to change as we get closer to the event.\*

Guest Keynote Speaker: Dr. Keith Delaplane

Grab your event Passport and get as many stamps as possible to be entered into a special door prize!

7:30-8:50	Location & Topics	9-9:50	10-10:50	11-11:50	12-12:20	1:30-2:20	2:30-3:20	3:30-4:20	4:20-5
Main Bluebonnet Ballroom: Vendors, Demos and Interactive Classes				Honey Tasting From Around the World!! & Honey Show Preparation Demonstration Robin Young & Cameron Crane		Hands on Lotion, Balms & Salves Demonstration Myra Smith	How to Count Mites: Sampling Methods, Sugar Roll & Alcohol Wash Demonstration Robin Young & Cameron Crane	Honey Tasting From Around the World!! & Honey Show Preparation Demonstration Robin Young & Cameron Crane	
				Building a Youth Program at Your Bee Club Q&A Chris Barnes		Building a Youth Program at Your Bee Club Q&A Chris Barnes	Texas Master Beekeeping Program Q&A Monica Siwiak	Success at Your Farmer's Market Monica Siwiak	
	Ballroom 2: Getting Started Series			Getting Started: Everything You Need To Know Tara Chapman		Urban Beekeeping: Best Practices Sandi Murray & Cyrus Nasr	Annual Management Chari & James Elam	Full Hive Inspections for Beginners Robin Plumlee Silva	
	Ballroom 3: Best Beekeeping Practices			Best Management Practices Chris Moore		Integrated Pest Management (IPM) for Honey Bees Mary Reed	Making Splits Jonathan Walker	Top Bar Beekeeping Tanya Phillips	
	San Jacinto 1: Panel Discussions			Beekeeper Hacks: Practical Management Practices Discussion Panel Cameron Crane, Chuck Reburn, Clint Weaver, Robin Silva		Pollination Services & Bee Leases Discussion Panel Blake Shook, Chris Moore, Clint Weaver, Justin Russell, Skip Talbert	Story Telling With Experts: What I'd Do Differently My First Year Discussion Panel Lance Wilson, Sandi Murray, E.T. Ash, Tanya Phillips	Queen Rearing Discussion Panel Dr. Delaplane, Art Thomas, Clint Weaver, Danny Weaver, E.T. Ash	
San Jacinto 2: The Bees Knees				Recognizing Diseases in the Bee Colony (Advanced Hive Inspection Class) Lance Wilson		Malignancy and Mutiny - Things that Go Wrong & Have Nothing to do with Mites Dr. Keith Delaplane	Making Money Money: Marketing & Labeling for Business Tara Chapman	Bee Removals John "JJ" Swan	
Yellow Rose 1&2: Mating, Queens, & the Superorganism				Polyandry - The Neglected Step-child of Bee Breeding Dr. Keith Delaplane		Pheromones: Understanding Colony Communication Lance Wilson	Queen Rearing for Yourself Liz Walsh of the TAMU Honey Bee Lab	Transmission of Bee Diseases - Pathways & Alex Payne of the TAMU Honey Bee Lab	
Yellow Rose 3&4: Hive Products				Creamed Honey Pamela Yeamans		Mead Making Cameron Crane	Infused Honey (Taste the Flavors) Laura Weaver & Nicole Praisewater	Apitherapy Sandi Murray & Cyrus Nasr	
Yellow Rose 5&6: Special Interest				Varroa Mite & Heat Treatments Lynn Williams		Native Bees of Texas Robin Plumlee Silva	Nutritional Ecology of Honey Bees Pierre Lau of the TAMU Honey Bee Lab	Ag Valuation with Bees Dennis Hebert	

R E G I S T R A T I O N

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L U N C H

What bees in nature can teach us about colony health

Dr. Keith Delaplane

WELCOME & KEYNOTE

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**Hotel for Summer Clinic  
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**Register now online at [texasbeekeepers.org](http://texasbeekeepers.org) or contact Shirley Doggett  
[sdoggett@mindspring.com](mailto:sdoggett@mindspring.com), 400 County Road 440, Thrall, TX 76578  
(512) 924-5051**

**2019 Texas Beekeepers Association Annual Convention  
November 7th-9th  
Hilton, San Antonio Airport**

**Speakers include:  
Dr. Dennis vanEngelsdorp  
Tim Tucker  
Dr. Jon Lundgren  
Dr. Justin Schmidt  
Cameron Jack**

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*Front Page Photo from Robin Young*

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# Texas Honey Bee Education Association Update



## *“Where Does the Money Come From?”*

May 2019 TBA Journal  
by Roger Farr – THBEA Chairman

Howdy, fellow Texas beekeepers!

The Texas Honey Bee Education Association (THBEA) board has been busy the last few months working behind the scenes on projects. If you get a moment, please say thanks to these hard-working board members: Chris Doggett, Roger Farr, Leesa Hyder, Chris Moore, Ashley Ralph, Blake Shook, and Terry Wright. THBEA has a true working board, and it takes all of us to get the job done.

One question I often get from folks just introduced to THBEA is, “Where does the money come from to fund the projects you folks do?” The answer is simple. Presently, 100% of the funds THBEA expends come from donations; from you, me, fellow beekeepers, and those interested in honey bees. Sometimes donors are from organizations involved in the beekeeping industry. The bottom line is that beekeepers are coming together, and putting their dollars where their time and voices are to get special honey bee-related things done.

One of THBEA's projects is the *NewBee's Guide to Texas Beekeeping*, unveiled in January 2019. This four-panel, double-sided *Guide* is designed primarily for new beekeepers who have taken a beekeeping course but still have much to learn about beekeeping in Texas. The *Guide* is printed in a large format on water-resistant cardstock to make it durable and longer-lasting when carried in a pocket or toolbox on the way to the bee yard. The *Guide* is available at no cost and approximately 3000 were shipped to all TBA-member beekeeping associations. Please ask your association president for a copy or download a copy of the *Guide* at THBEA.com. Request additional *Guides* from Chris Doggett at [ckdoggett@gmail.com](mailto:ckdoggett@gmail.com).



The initial press run for the *NewBee's Guide to Texas Beekeeping* was 5000 copies. As I write this in May, 2019 all 5000 copies are in the hands of beekeepers! The THBEA board has agreed to print another 5000 copies for approximately \$4000. I'm asking you to support this second print run with a personal contribution to THBEA. If you or someone you know has benefitted from the *NewBee's Guide*, I ask you to make a contribution at THBEA.com. The bottom line here is that your donations are going directly back to improve beekeeper education and to make all of us better beekeepers!

THBEA is actively working to broaden its sources of income. Specifically, we are working to locate and acquire grant money, primarily from corporate or private granting organizations. We're using the GrantStation software to do this and will be submitting our first grant proposal to several potential funding organizations in May 2019.

Another funding source is the THBEA auction held in conjunction with the November Texas Beekeepers Association (TBA) annual meeting. I encourage you to submit beekeeping-themed items which THBEA can then auction off to raise additional donations. No item is too small or insignificant. Please consider donating to the auction. Be sure to put tickets to the dinner/auction in your shopping cart when you register for the TBA annual meeting at TexasBeekeepers.org.

Lastly, THBEA is working with the Texas Department of Motor Vehicles (TxDMV) to produce a specialty bee-themed license plate. For each yearly registration of our plate THBEA will receive \$22 to support its mission of education and public information. One aspect of the TxDMV program is that the funds must go from TxDMV to a sponsoring Texas state agency which then forwards them to THBEA. We thought we had a sponsor back in September 2018, but that did not work out. We now have two other agencies which have indicated willingness to sponsor us. We hope to have the sponsorship agreement completed shortly so that we can then move on to TxDMV producing our plate. We're still optimistic that we can have the plate available in 2019.

If you've given to THBEA, “Thank you!” If you're still considering it, I encourage you to donate. Your donation will assist in funding the reprint of the *NewBee's Guide* and two other projects to support beekeeper education and provide information to the general public on the benefits of honey bees. You can give directly by clicking the donate button at THBEA.com.

Together, let's make THBEA a success for beekeeping and beekeepers' education in Texas!



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## The Brantley Column

*from S. S. Brantley*

*2016 Life Member Texas Beekeepers Association  
2017 Life Member Louisiana Beekeepers Association*

As a general rule, the spring nectar flow ends around the third week of June. However, the massive amounts of rain we received during April and May could contribute to the June flow being extended in the first few days of July. As the flow is winding down, you can start checking your hives to see if the bees have stored enough honey for you to extract. If you do find capped honey, you need to make a plan for extracting it. It is best to do so on a warm sunny day since the warm honey will extract and bottle easier. After extracting, let the honey set in the bucket at least overnight for all the air bubbles and any other impurities to rise the surface. If you take care during the extraction process to not allow the honey to fall through the air any further than necessary, there will be less foam on the surface of the honey. Skim away and dispose of the surface film before bottling. Careful filling of the honey container during bottling will also result in fewer bubbles on top of the jar of honey.

If you do not own an extractor, check with your local bee club. Many bee clubs have an extractor that can be rented or checked-out for you to extract at home. Some clubs sponsor group extraction days where you bring your frames and use the club's extractor. You may also find a beekeeper friend that will let you use their extractor. However you proceed, make sure to schedule a firm extraction date and pull your frames accordingly. Do not pull your frames and keep them in the garage or storage building for several days. Moths, beetles and ants may find and invade your frames of honey.

When you pull your frames of honey, be sure to remove the bees from the frames. My favorite method is to blow them off the frames with a leaf blower. Place the super on top of the hive with the frames standing vertically and the top bars facing away from you. Blow from the bottom bar side, blowing the bees out past the top bars.

There are two types of extractors, tangential and radial. Tangential extractors are generally smaller, less expensive and easier to transport. Many handle only two or three frames at a time. They extract honey from only one side of the frame at a

time, requiring you to spin the first side, turn the frame over, then spin the other side. When loading frames into a tangential extractor, make sure the bottom bars lead into the spin direction, allowing the honey to flow up and out of the cells easier. The general rule is to extract half the honey from the first side, flip the frame and extract all of the honey from the second side, then flip the frame back to the original position and extract the remaining honey. This process lessens the stress on the combs and helps prevent "blowing out" or damaging the comb.

Radial extractors are generally larger and more expensive. The smaller radial extractors can handle a super of frames at a time while industrial size radials handle from 30 to more than a hundred frames. Radial extractors remove honey from both sides of the frame simultaneously, eliminating the need to flip the frames during the extraction process.

New colonies can be started in June, using purchased queens, queen cells, or by allowing the bees to draw queen cells. For the best result, plan to feed the new colony and not rely on the diminishing natural forage. Despite all of the rain we have had, we will soon be moving into the Texas summer pattern of hot and dry.

You can also start new colonies by capturing swarms. Some beekeepers like to replace the swarm queen with new queen. Here is a technique for removing the old queen. Place the hive bottom board on the ground. Place a queen excluder on top of the bottom board. Place the hive body with frames on top of the excluder. Put the Outer Cover on. Shake the swarm on a sheet of cloth or paper on the ground in front of the bottom board. Wait until most of the bees have climbed into the hive body. The queen and drones should be unable to pass the excluder and will be left on the bottom board under the hive body. You can capture and cage the old queen or dispose of her. You can now move the hive to its home and add a caged queen. Be sure to feed at least a gallon of sugar syrup so they can happily begin making wax. Don't forget to remove the queen excluder from between the bottom board and hive body.

# “What’s in a Name?” – A Second Look

*From Robin L-S Young, Metro Beekeepers Association*

In the issue **Nov/Dec 2016 “The Journal”**, I wrote an article about finally giving your new budding beekeeping business a name and how to start protecting that name. I have often thought about republishing that article, but publishing space is so precious. Last month I received a letter from a company asking me if I wanted to pay \$1,185.00 to renew my “Soul Honey” trade mark. Five years was about to pass, and it was time to renew my trade mark business name. As I was going through the process, it occurred to me that you will be going through this process in a year or two as well. It seemed like a good time to bring up the past article for newer beekeepers which can be found on the TBA website under the **Nov/Dec 2016** issue, and a chance to add to the information for bee friends that are already on their five-year renewal.

It is at this time that I need to inform/remind you that I am not an attorney and it is always beneficial to consult one in such matters.

I started my renewal procedure by going to:

- The **United States Patent and Trademark Office**  
<https://www.uspto.gov/patents-application-process/search-patents>

I did a search for “renew trademark” long story short, I got to this page:

<https://www.uspto.gov/trademarks-application-process/filing-online/registration-maintenancerenewalcorrection-forms> The title of this page is: “Registration Maintenance/Renewal/Correction Forms”

I read the following:

*“You may file a Combined Declaration of Use & Incontestability under Sections 8 & 15 only if you have continuously used a mark registered on the Principal (not Supplemental) Register in commerce for five (5) consecutive years after the date of registration. You must file the Combined Declaration, specimen, and fee on a date that falls on or between the fifth (5th) and sixth (6th) anniversaries of the registration (or, for an extra fee of \$100.00 per class, you may file within the six-month grace period following the sixth anniversary date). If you have NOT continuously used the mark in commerce for five (5) consecutive years, you must still file a Section 8 Declaration. You must subsequently file a Section 8 declaration, specimen, and fee on a date that falls on or between the ninth (9th) and tenth*

(10th) anniversaries of the registration, and each successive ten-year period thereafter (or, for an extra fee of \$100.00 per class, you may file within the six-month grace period). **FAILURE TO FILE THE SECTION 8 DECLARATION WILL**

## **RESULT IN CANCELLATION OF THE REGISTRATION."**

Further down in the literature it mentions what to do if you have a ten-year extension and are up for renewal for another ten-year extension.

## **Current Pricing for Filing a Combined Renewal (Section 8) and a Ten-Year Extension (Section 15)**

<b>Combined Declaration of Use and Incontestability Under Sections 8 and 15</b> (15 U.S.C. §§ 1058 & 1065) TEAS - Version 5.8 : 01/14/2017	
<a href="#">Fee Information</a>	
<b>Combined §§ 8 &amp; 15 Filing Fee: \$325</b>	
<a href="#">Number of Classes</a>	
<b>Note:</b> The filing fee is computed based on the Number of Classes in which the goods/services/collective membership organization associated with the mark is/are classified.	
<b>Combined §§ 8 &amp; 15 Filing Fee</b> (Number of Classes x \$325 (per class))	<b>\$</b>
<b>Grace Period Fee: \$100</b> (If filing during the six-month grace period, enter the Section 8 Grace Period Fee)	
<b>Grace Period Fee</b> (Number of Classes x \$100 (per class))	<b>\$</b>
<b>Total Fee Paid</b> (Note: The total fees paid is the sum of the Combined §§ 8 & 15 filing fee due and the grace period fee due, if applicable.)	
<b>Combined §§ 8 &amp; 15 Filing fee + Grace Period fee</b>	<b>\$</b>
NOTE: Three payment options ( <a href="#">credit card</a> , <a href="#">automated deposit account</a> , and <a href="#">Electronic Funds Transfer</a> ) will appear after clicking on the PAY/SUBMIT button, which is available on the bottom of the Validation Page after completing and validating this form.	

If you do a little reading on the website, you can save money, know that your trademark is protected, and file between the 5<sup>th</sup> and 6<sup>th</sup> year without a penalty of just a cost of \$325 (per class). Till next time Bee Friends.

### **Proverbs 16:24**

Pleasant words are a honeycomb sweet to the soul and healing to the bone.

## Extracting Sunset Bee Yard in 1906

*from Morris Weaver, written by his Uncle  
Roy S Weaver Sr*



One night at supper, Papa said that Sunset Bee Yard was full and had to be extracted. He thought there would be about 5 barrels. He also said that the honey flow was still good so he didn't think we would have much trouble with robbers.

Arriving at the bee yard we all piled out and went to work. Soon the honey cart was out and the wheels back on. The bee smoker was lit, some empty hive bodies placed on the cart and two or three folks were out after a load of honey. Some of the others were setting the extractors on hive bodies and securely fastening them to trees. An empty barrel was rolled on its side and by hitting the staves on each side of the bung with a heavy piece of wood the bung soon bounced out. The strainer was set on the barrel in such a way it couldn't fall off. This strainer was a wood box with a pipe in the bottom that went down in the barrel. This box had another box with a wire screen bottom that fitted inside and could be removed for cleaning. This uncapping barrel was also set on a super so the liquid honey could be drained off and poured into the barrels. This uncapping barrel had a false bottom made of strips of wood. These held the cappings up and allowed some of the honey to drain down into the bottom part. There was also a small tank to hold the uncapped frames. These were set in supers that set in this tank.

There were only two grown folks there. However there were 5 of us children all the way from 8 to 17 years old and we all knew how to work. Soon the honey extractors were humming. When one would stop, there was a boy or girl ready to grab the empty combs out and another one putting a full frame in. When one boy got tired turning the extractor another would take it for a while. The cart was coming in regularly with 5 hive bodies of honey stacked on. Empty combs were carried out each time and put into the hives as the full frames were taken out.

Although Mamma had fixed a good dinner with all kinds of vegetables right out of the garden, we didn't spend much time eating.

Soon after lunch there were a few robbers around so two or three smoke fires were started to try and discourage these first robbers. By late afternoon the last comb was extracted and back on the hives. Two long poles were cut. One end of these were put in the back of the wagon and the wood barrels of honey rolled up these poles. I have seen Papa load a 55-gallon barrel in this way with no help. The 5 barrels were full with just a little left in the uncapping barrel. By the time all this was loaded it was sundown and there were 7 long miles home with the heavily loaded wagons.

On the way out that morning all were talking, jumping out of the wagon and running behind. Everyone acting like they were going on a picnic. Now all were quiet. It was a good time to rest and daydream. Every boy and girl as well as older folks should have time for daydreams and to me there is no better time to do this than riding down a lonesome road in a wagon with two good horses or mules that knew how to pull a load.

Mama had a wonderful supper waiting. However all were sticky - not only the clothes, but bare legs, faces and even heads. There was much protesting and declarations that we were not at all sticky. However a trip had to be made to the cold tub of well water before supper and bed. Mama was very understanding and didn't examine too closely the younger ones. After all they could hardly stay awake to eat supper.

The next morning there was no broom punching on the ceiling. The coffee mill did wake me about daylight. I knew I must get up and go help feed and start another busy day. However there would be time to dream dreams and that helps make any job easier.

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# Spring Chores and Making Increase

*"The Continuing Journey of Two Sixth-Year Small-Scale Beekeepers"*  
TBA Journal Article - May 2019

by Roger and Sue Farr, Caddo Trace Beekeeping Association (CTBA), Mount Pleasant, Texas;  
Master Level Beekeeper - Texas Master Beekeeper Program (Roger)

Pictures are by the authors unless otherwise indicated.



Photo - Hudson Old, *East Texas Journal* Photography

Spring brings new life, and sometimes death, for the Farris as beekeepers. What does this time of year mean for us? Well, lots of things and that is what this article is about.

We raise fruit, cats, and bees on our productive six acres. The fruit trees, vines, and bushes all look good. Our 12 cats expanded to 17 with new kittens. One only lived two hours and another only a few days. A friend asked us to take an abandoned kitten, and Mango, our mother cat, agreed ( $12+5-2+1 = 16$ ) Unfortunately two of our adult cats died ( $16-2 = 14$ ) so we've had a net increase of two cats during spring (12 versus 14).



On the bee front, we raised queens and split our hives in March. Our 4 colonies became 14 total colonies after the splits, each with new queen cells. Unfortunately, in two of the colonies the new queen went missing so we combined these with queenright colonies. ( $14-2 = 12$ ) We sold 5 nucleus hives and made two new friends! ( $12-5 = 7$ ) So, we've had a net increase of 3 colonies, from 4 to 7, for the work we've done this spring. Now, these colonies are drawing comb and storing away the plentiful nectar for the summer dearth that will be upon us in July and August.



We want to be good stewards of our bees. Likewise, we are in beekeeping to build relationships with the beekeepers. Therefore one of our principles is that we only sell nucleus hives to folks who have taken a NewBee class or read (from cover to cover), a book on beginning beekeeping. The result is that we are not large nucleus suppliers to the beekeeping industry...and that is OK with us.

Did everything go as we planned either with the cats or the bees? No. As we desired? No. As we say in Texas, "This is agriculture!" Or, as Roger's mother taught him, "Don't count your chickens until they hatch!" We did everything under our control to make the fruit, cats, and bees successful. The rest was up to God, Who is the creator of life. We are simply grateful for the increase whether small or bountiful. We can look at our blueberry and blackberry bushes and see a bountiful harvest only weeks away. God is still on His throne!

Other spring chores at our place include adding to or maintaining the bee forage on our property. However, let's do the math quickly. Bees forage in a two-mile radius circle. This circle would have 12.56 square miles in it. At 640 acres to the square mile, the bees forage approximately 8000 acres of land. So, our 6 acres of land represents 0.075% of the available forage area; not even one-tenth of a percent! However, if we can keep the bees closer to home (see the picture of our "front yard" below) and get our neighbors to plant bee forage flowers, then perhaps we can move the needle a bit. In reality, this is why our bees are so heavily dependent upon the wild flowers in the environment. In northeast Texas, privet is flowering, and the bees are all over it. However, privet, left to its own, can become invasive. Agriculture is a balance between needs and wants.

Last on our list of spring chores is to begin thinking of what our bees will need in summer. Our varroa control to this point has been a treatment with oxalic acid vapor in December, a varroa count by TAIS in February, and brood-rearing interruption in March and April. As our seven hives settle into production mode, we'll need to monitor our varroa on a monthly basis and be ready to take action when our counts are above three mites per 100 bees. Since we do not plan to harvest spring honey, we can use Apivar, if necessary, in late spring. We'll harvest fall honey in November and treat for mites with oxalic vapor again when the colonies are broodless in December.

God has designed His creation to reproduce. We view our role, as stewards of that creation, is to enable that reproduction to happen in a way that produces increase for us the beekeepers and farmers.

What are your plans for making increase with your fruit, animals, or bees?

We'd love to hear about your beekeeping adventures!

Roger and Sue Farr  
rdfarr@gmail.com; sue.farr1@gmail.com



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This project was supported by the U.S. Department of Agriculture's (USDA) Agricultural Marketing Service through grant 16SCBGPTX0025. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the USDA.

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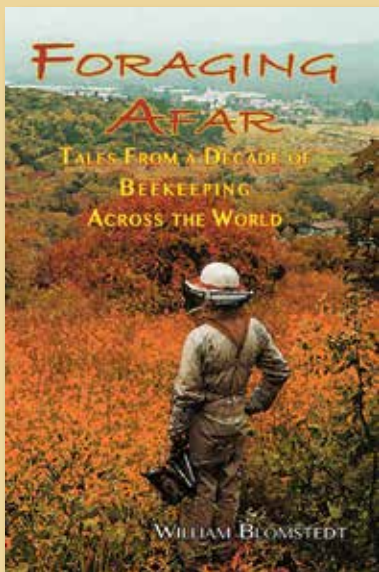
## Monica Siwiak at the TransCanada Energy Health Fair

I just wanted to report back on our TransCanada Energy health fair and our Real Texas Honey booth. It was a success! People loved the observation hive and I educated them on Real Texas Honey program, the Honey bee education association, and the TBA. I made honey straws with my honey to give away for them to try local honey and our queen in our observation hive was not shy at all and was putting on quite a show laying eggs for the crowd! It was a really fun event!



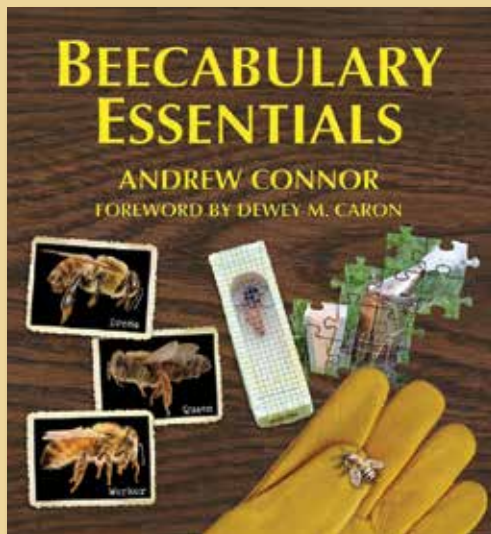


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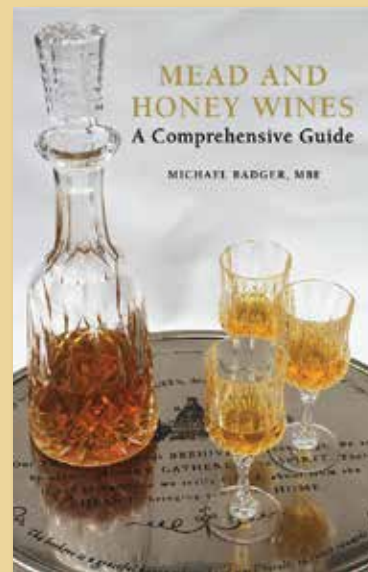
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# CATCH THE BUZZ – How A Queen Bee Achieves Her Regal Status That Elevates Her From Her Sterile Worker Sisters Has Been A Long-Standing Question

*from Catch The Buzz*

CRISPR gene-editing used to understand links between diet and genetics to make a future honey bee queen.

How a queen bee achieves her regal status that elevates her from her sterile worker sisters has been a long-standing question for scientists studying honey bees.

To get at the heart of the question, scientists have now used for the first time the gene-editing tool CRISPR/Cas9 to selectively shut off a gene for necessary for general female development.

By doing so, they have shown that a dramatic difference in gonad size between honey bee queens and their female workers in response to their distinct diets requires the switching on of a specific genetic program, according to a new study published in the open-access journal PLOS Biology by Arizona State University honey bee expert and School of Life Sciences Regents' Professor Robert Page, and colleagues Annika Roth and Martin Beye of Heinrich-Heine University in Dusseldorf, Germany.

"This study focused on a critically important and missing connection between nutrition and the developmental processes that make a queen," said Page, who is also a distinguished sustainability scholar in ASU's Julie Ann Wrigley Global Institute of Sustainability. "This has been a major unanswered question in developmental biology for more than a century."

The finding is likely to allow more detailed analysis of the interplay of genes and nutrition that drives the selection of queens from worker bees.

Queen bees differ physically from their sterile sister work-

ers, with a much larger body and ovaries that are needed for her prime responsibility in life — to be tended to just so to produce all the future offspring in the hive. As such, future queens are fed a bee delectable, sugar-rich "royal jelly" from the time they emerge as larvae — while future workers receive relatively sugar-poor "worker jelly." But the degree to which diet alone determines the difference in gonadal size between queen and worker has been unclear.

To explore the genetic influences on gonad size, the authors first showed that reduced sugar had no effect on male gonad size, indicating that diet isn't the sole influence. Next, using CRISPR, they knocked out the so-called feminizer gene in early worker larvae.

With the feminizer gene turned off by CRISPR, they found that a low-sugar diet had no effect on gonad size. In fact, their gonad size was similar to those typically found in male drones. The authors conclude that the feminizer gene must be switched on not only to produce ovaries but also to permit nutrient level to affect gonad size.

"Because of the ability to rapidly screen mutations in honey bees allowed by gene editing, this study is likely to set the stage for much more extensive investigations of the role of individual genes and gene pathways in immune defense and behavioral and developmental control," Beye said.

These results will spur further work to determine if the same gene is needed to allow development of large ovaries in future queens.

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# Greetings from Dr. Juliana Rangel at Texas A&M University

*Assistant Professor of Apiculture, Department of Entomology,  
Texas A&M University*



Dear TBA members,

Spring is in full swing and we have been busy working at the research apiary this year. I have just a few announcements to make. First, thank you to all of you who answered our call on our Facebook page when we indicated a need for identifying and using Africanized colonies near the Brazos valley. After a few leads, lots of interest, and some genetic testing, we found a perfect location about 40 minutes from our lab and have been busy grafting and inseminating queens from those colonies with drones from known European colonies for experiments related to parent-of-origin genetic imprinting. This past couple of months we have had a few activities that I would like to report on. We will see whether our attempts worked with the inseminated queens later this summer, so stay tuned!

In April I participated in this year's meeting for the Southwestern Branch of the Entomological Society of America in Tulsa, OK. I presented some of our work related to the expression of key genes in the spermathecae of queens that were reared in wax contaminated with miticides like fluvalinate, coumaphos and amitraz (compared to non-treated control queens). The talk was very well received and we are getting closer to submitting that important work for publication in a scientific journal. I will share with you those results later when the paper gets submitted.

The most important activity we were engaged in recently was our 5th Annual Art of Queen Rearing Workshop, which was held on Saturday, 18 May. We had 42 participants and 10 staff members. Despite the threatening weather, we had a very productive day full of lectures, hands-on practice with grafting, checking on cell builders and finishers, and a demonstration of the instrumental insemination technique by our guest speaker and collaborator, Sue Cobey. The workshop was definitely a huge success and lots of fun! Special thanks to our guest speaker, Sue Cobey, and the entire Rangel lab staff including: ET Ash, Dr. Tonya Shepard, Liz Walsh, Pierre Lau, Alex Payne, Taylor Reams, Travis Trimm, and Stephanie Rodriguez. And we also want to thank JZBZ for their donation of queen rearing supplies, and especially the Austin Area Beekeepers Association for their annual monetary donation, part of which was used on expenses toward the workshop so that we could keep most of the proceeds, which help pay Sue's salary and graduate student stipends during the summer, so thank you!!

Our lab will have a table at this year's TBA Summer Clinic on Saturday, 22 June in Conroe, TX. We will also have Liz Walsh

speaking on "Raising queens for yourself," Alex Payne on "Disease transmission pathways," and Pierre Lau on

"Nutritional ecology of honey bees." Come say hi at our table so that we can tell you in better detail what we have been up to! ET Ash and Tonya Shephard will be tending our booth, where you can get more information about our research program, as well as pick up a jar or two of Aggie Honey! Unfortunately, I will not be in attendance at this year's clinic due to prior work commitments (see below), and I am sorry to be missing the event. But I am sure it will go great!

That leads me to our next piece of news: I will be a keynote speaker at this year's Apiculture New Zealand Conference & Trade Exhibition 2019, to be held Thursday 27th - Saturday 29th June 2019 in Rotorua at the Rotorua Energy Events Centre, New Zealand! The other international speaker will be Dr. Sam Ramsey. For more information on this exciting meeting please visit <http://apicultureconference2019.co.nz/programme/>

I will also be the opening keynote speaker at this year's Heartland Apicultural Society (HAS) meeting, which will be held on the campus of Western Kentucky University in Bowling Green, KY, on 8-10 July. The schedule can be found at <http://www.heartlandbees.org/has-2019-schedule/>. Hope to see some of you there!

Lastly, our lab's latest scientific paper will be coming out in the next two weeks in the open-access journal PLoS ONE. The paper is titled "Seasonal variation of pollen collected by honey bees (*Apis mellifera*) in developed areas across four regions in the United States." Pierre Lau is the first author. We will share the abstract with you next time when the paper is not embargoed anymore, and we can announce the publication's contents. Congratulations Pierre for all that hard work!

That is all for now, folks. Thank you as always for your continuing support. If you have any questions please do not hesitate to email me at [jrangel@tamu.edu](mailto:jrangel@tamu.edu). I am more easily reached via email than the phone. For up-to-date information regarding our program, or for new and interesting posts regarding bees and beekeeping, please visit us on Facebook at <https://www.facebook.com/TAMUhoneebeeelab>.

Thank you!



*2019 Art of Queen Rearing workshop participants grafting queens*



*2019 Art of Queen Rearing workshop participants*



## Bee Hive Thermal Industries, Breaking News, Saving Honey Bees Organically

John Hicks

936.718.3471

[john@beehivethermalindustries.com](mailto:john@beehivethermalindustries.com)

An organic and noninvasive solution targeting and killing *Varroa* mite infestations, that are killing honey bees, developed by joined forces of, Bee Hive Thermal Industries ([www.beehivethermalindustries.com](http://www.beehivethermalindustries.com)) and OVEN Industries ([www.ovenind.com](http://www.ovenind.com)), experts in temperature control.

You may have heard that "honey bees are in trouble". There are a few reasons we could list in this dilemma and most experts will most likely agree that the *Varroa* mite is at the top of that list. Bee Hive Thermal Industries designed this Thermal System utilizing an industrial grade heater blanket and electronic controls which are easily installed and removed from the hive. The end goal of the product is to raise the temperature of the hive to a programmed temperature, killing the mites without harming the bees based on studies done in Europe. To see the game changing product in action, click the link and view the video. <https://youtu.be/D3l4G2Ws91o>

In the fight against today's *Varroa* mites, beekeepers are often, if not always, resorting to pesticides as the solution. Bees have many other predators and hardships to endure, including weather related issues such as cold temperatures, moisture and diseases. The effect of the *Varroa* on the overall colony is paralyzing to both general activity and honey production within the hive. This revolutionary product is showing positive results in killing and controlling mites and hive beetles, with only a few applications annually.

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# Listing of Local Beekeepers' Associations in Texas with TBA Delegate and Regular Meeting Information Shown for Each

Please forward any changes and/or additions to  
Leesa Hyder, Executive Secretary, [execsec@texasbeekeepers.org](mailto:execsec@texasbeekeepers.org)

---

## **Alamo Area Beekeepers Association**

Rick Fink - (210) 872-4569

[president@alamobees.org](mailto:president@alamobees.org)

[www.alamobees.org](http://www.alamobees.org)

**Meetings:** 3rd Tuesday on odd # months

Helotes Ind. Baptist Church

15335 Bandera Rd., Helotes at 7 pm

## **Austin Area Beekeepers Association**

Dodie Stillman - (512) 560-7550

[austinareabeekeepers@gmail.com](mailto:austinareabeekeepers@gmail.com)

[facebook.com/groups/Austin/AreaBeekeeperAssociation](https://facebook.com/groups/Austin/AreaBeekeeperAssociation)

[www.meetup.com/Austin-Urban-Beekeeping/](http://www.meetup.com/Austin-Urban-Beekeeping/)

**Meeting:** 3rd Monday of each month at 7pm

Frank Fickett Scout Training and Service Center

12500 N I-35, Near Parmer Lane, Austin

## **Bees in the East Club**

Mark de Kiewiet (210) 863-8024

[beesintbeeast@att.net](mailto:beesintbeeast@att.net)

**Meetings** 4th Saturday of each month at 10am

Water Garden Gems, 3230 Bolton Road, Marion,

## **Bell/Coryell Beekeepers Association**

Frank Morgan - (254) 423-2579

[bellcoryellbeeclub@gmail.com](mailto:bellcoryellbeeclub@gmail.com)

**Meetings:** 3rd Tuesday of each month (except December) at

Refuge Ministries, 2602 S. FM 116, Copperas Cove - 7pm

## **Brazoria County Beekeepers Association**

Steve Brackmann - (832) 884-6141

[stevenbrackmann@yahoo.com](mailto:stevenbrackmann@yahoo.com)

[bcba@brazoria-county-beekeepers-association.com](mailto:bcba@brazoria-county-beekeepers-association.com)

[www.brazoria-county-beekeepers-association.com](http://www.brazoria-county-beekeepers-association.com)

**Meetings:** 2nd Monday of each month

Brazoria County Extension Office, 21017 CR 171, Angleton at 6:45 pm

## **Brazos Valley Beekeepers Association**

Nathan Krueger - (979) 324-1160

[info@bvbeeks.org](mailto:info@bvbeeks.org)

[www.bvbeeks.org](http://www.bvbeeks.org)

**Meetings:** 3rd. Tuesday of each month (except Dec.)

First Christian Church, 900 S Ennis St., Bryan from 6pm

## **Caddo Trace Beekeepers Association**

Terry Wright - (903) 856-8005

[tcwright7021@yahoo.com](mailto:tcwright7021@yahoo.com)

**Meetings:** 2nd Monday of each month

Titus County Agrilife Ext. Bldg., 1708 Industrial Rd., Mount Pleasant at 7 pm

## **Caprock Beekeepers Association**

David Naugher - (806) 787-7698

[caprockbeekeepers@gmail.com](mailto:caprockbeekeepers@gmail.com)

**Meetings:** 3rd Thursday of each month at 6:30 pm

Schlotsky's, 3715 19th St., Lubbock

## **Central Texas Beekeepers Association**

Michael Kelling - (979) 277-0411

[CentralTexasBeekeepers@gmail.com](mailto:CentralTexasBeekeepers@gmail.com)

[www.centraltexasbeekeepers.org](http://www.centraltexasbeekeepers.org)

**Meetings:** Monthly on the 4th Thursday (except November and December)

Washington County Fairgrounds, 1305 E Bluebell Rd., Brenham at 7pm

## **Chisholm Trail Beekeepers**

Scott Zirger (682) 385-0008 or (510) 301-5796 (cell)

[scott@zirger.us](mailto:scott@zirger.us) or [chisholm-trail-beekeepers@googlegroups.com](mailto:chisholm-trail-beekeepers@googlegroups.com)

**Meetings:** Last Monday of each month

United Cooperative Services, 2601 S Burleson Blvd, Burleson

## **Collin County Hobby Beekeepers Assn.**

Mary-Ann Allen (214) 543-5597

[president@cchba.org](mailto:president@cchba.org)

[www.cchba.org](http://www.cchba.org)

**Honey Queen Program:** [honeyqueenchair@CCHBA.org](mailto:honeyqueenchair@CCHBA.org)

**Meetings:** 2nd Monday of each month at 6:30 pm

Collin College Conference Center, (Central Park Campus)

2400 Community Dr., McKinney

## **Colorado County Beekeepers Association**

David Behlen (832) 230-5740

[coloradocountybeekeepers@gmail.com](mailto:coloradocountybeekeepers@gmail.com)

**Meetings:** 2nd Thursday of each month at 6:00 pm

316 Spring Street, Columbus

## **Comal County Beekeepers Association**

Julie Morgan - (210) 475-2924

[e.julie.morgan@gmail.com](mailto:e.julie.morgan@gmail.com)

**Meetings:** 1st Thursday of each month

Beefy's on the Green Restaurant, upstairs room

12910 US Hwy 281N at 6:30 pm

## **Concho Valley Beekeepers Association**

Rex Moody - (325) 650-6360

[cvbeekeeper@gmail.com](mailto:cvbeekeeper@gmail.com)

**Meetings:** 3rd Tuesday of each month Jan-Nov at 6:30 pm

Texas A&M res. & Ext. Center, 7887 US Hwy 87 N, San Angelo

## **Deep East Texas Beekeepers Association**

Ellen Reeder - (337) 499-6826

[ellenswartz@sbcglobal.net](mailto:ellenswartz@sbcglobal.net)

## **Denton County Beekeepers Association**

Candi Pardue

[board@dentonbees.com](mailto:board@dentonbees.com)

[www.dentonbees.com](http://www.dentonbees.com)

**Meetings:** 2nd Tuesday of each month at 6:30 pm

Please see calendar for location

## **Dino-Beekeepers Association**

Chip Hough (817) 559-0564

[dino-beeclub@hotmail.com](mailto:dino-beeclub@hotmail.com)

[www.dino-bee.com](http://www.dino-bee.com)

**Meetings:** 2nd Tuesday of month at 6:30 pm

Glen Rose Citizens Center, 209 SW Barnard St., Glen Rose

**East Texas Beekeepers Association**

Richard Counts - (903) 566-6789

*dick.counts4450@gmail.com*

*www.etba.info*

**Meetings:** 1st Thursday of each month at 6:45 pm;  
Whitehouse Methodist Ch., 405 W Main (Hwy 346), Whitehouse

**Elgin Area Beekeepers Association**

Jerry Lee - (917) 710-6072

*elginbeekeepers@gmail.com*

**Meetings:** 2nd Tuesday of the month at 7 pm  
Various Locations

**Elm Fork Beekeepers Association**

Jan Hodson - (940) 637-2702

*janrhodson@gmail.com*

**Meetings:** 3rd Thursday of each month  
Landmark Bank, 1112 E California St., Gainesville, TX 76240  
at 6:30 pm

**Erath County Beekeepers Association**

James K Gray - (254) 485-3238

*grayjamesk@jkgray.com*

**Meetings:**

**Fayette County Beekeepers Association**

Mike Mathews (713) 805-9673

*mmathews324@gmail.com*

**Meetings:** First Saturday of the month, Feb, April,  
June, August, October and December at 5 pm  
Fayette County Ag. Bldg., 240 Svoboda Ln., La Grange

**Fort Bend Beekeepers Association**

Lynne Jones - (713) 304-8880

*info@fortbendbeekeepers.org*

**Meetings:** 2nd Tuesday of each month (except December) at 7:30 pm  
Bud O'Shieles Community Center, 1330 Band Rd., Rosenberg

**Fredericksburg Beekeepers Association**

Joe Bader - (830) 537-4040

*joebees@gmail.com*

**Meetings:** Third Thurs. of even number months (excl. Dec) at 6:30 pm  
Gillespie County Ext. Off., 95 Frederick Rd., Fredericksburg

**Golden Crescent Beekeepers Association**

Joe Swaney (361) 293-0472

*kr@dunnservices.net*

**Meetings:** 2nd Monday of each month at 7pm  
4102 North Ben Jordan St.  
Victoria, TX 77901

**Harris County Beekeepers Association**

Jeff McMullin - (713) 203-6348

*jefferylmc@yahoo.com*

*www.harriscountybeekeepers.org*

**Meetings:** 4th Tuesday of each month at 7pm  
Golden Acres Center, 5001 Oak Ave., Pasadena

**Hays County Beekeepers Association**

Nathalie Misserey (512) 699-0605

*hayscountyba@gmail.com*

**Meetings:** 3rd Wednesday of each month at  
Driftwood Volunteer Fire Station, 15850 FM 1826, Austin, TX 78737  
at 7pm

**Heart of Texas Beekeepers Association**

Gary Bowles (254) 214-4514

*gm.bowles@yahoo.com*

**Meetings:** 4th Tuesday of each month (except Dec.) at 7 pm  
in Lecture Hall  
MCC Emergency Services Education Center, 7601 Steinbeck Bend  
Road, Waco

**Henderson County Beekeepers Association**

Elizabeth Hudson - (330) 881-8008

*bushyomouth55@gmail.com*

**Meetings:** 3rd Thursday of the month at 6:00 pm  
Faith Fellowship Church, 5330 Highway 175, Athens, TX 75762

**Hill County Beekeepers Association**

Robin Sliva - (254) 205-0534

*rs.plumleeplace@gmail.com*

**Meetings:** 3rd Tuesday of the month at 6 pm  
Hill County Courthouse Annex, 126 S Covington St., Hillsboro

**Hopkins County Beekeepers Association**

Jon Dalzell - Secretary, (214) 395-1730

*dalzelljon@aol.com*

**Meetings:** 3rd Thursday of the month at 6:30 pm  
Hopkins County Agrilife Bldg., 1200 W Houston St., Sulphur Springs

**Houston Beekeepers Association**

Shelley Rice - (832) 545-7178

*info@houstonbeekeepers.org*

*www.houstonbeekeepers.org*

**Meetings:** 3rd Tuesday of each month at 7:30 pm  
Bayland Community Center, 6400 Bissonnet St., Houston

**Houston Natural Beekeepers Association**

Dean Cook

*houstonnaturalbeekeepers@gmail.com*

**Meetings:** Second Saturday of the month at 11 am  
1702 Rothwell, Bldg C, Houston

**Johnson County Beekeepers Association**

Don Russell or Bruce Watts, Jr.

*boatshop6@yahoo.com or bruce.jr@sbcglobal.net*

**Meetings:** 2nd Tuesday of each month at 6:30 pm  
2099 W FM 917, Joshua

**Lamar County Beekeepers Association**

Scott Brinker - (501) 307-5111

*lamarcoba@gmail.com*

**Meetings:** 1st Thursday of the month at 6:30 pm  
Lamar County Fairgrounds, 570 E Center St., Paris

**Liberty County Beekeepers Association**

Cameron Crane - (409) 658-3800

*info@libertycountybeekeepers.org*

*www.libertycountybeekeepers.org*

**Meetings:** 1st Tuesday of each month at 6:30 pm  
Liberty Agrilife Extension Office, 501 Palmer Ave., Liberty

**Longview Beekeepers Association**

Gus Wolf - (903) 746-9256

*glwolf@gmail.com*

**Meetings:** 4th Thursday of each month at 6 pm  
Texas Agrilife Extension Office, 405 E Marshall St., Longview

**Marshall Beekeeping Association**

Beth Derr - (936) 591-2399

*marshallbeekeeping@gmail.com***Meetings:** 2nd Thursday of each month at 5:30 pm

Cumberland Presbyterian Church, 501 Indian Springs Dr., Marshall

**Metro Beekeepers Association**

Ryan Giesecke - (214) 577-9562

*ryangiasecke@gmail.com**www.metrobeekeepers.net***Meetings:** 2nd Monday of each month at 5:30 pm

Southside Preservation Hall, 1519 Lipscomb St., Fort Worth

**Montgomery County Beekeepers Assn.**

James Elam

*mocobees@gmail.com**www.mocobees.com***Meetings:** 3rd Monday of each month at 6:30 pm

Montgomery County Extension Office, Tom Leroy Education Bldg., 9020

Airport Road, Conroe

**North East Texas Beekeepers Association**

Connor White - (903) 360-2253

*connor.white.1969@gmail.com**netbacantontexas@outlook.com***Meetings:** 2nd Monday of each month at 6:30 pm

Canton Fairgrounds, 24780 TX 64

Canton, TX 75103

**Palo Duro Bee Club**

Paige Nester - (806) 678-8048

*nesterpaige@gmail.com***Meetings:** 1st Thursday of each month

Creek House Honey Farm, 5015 4th Ave, Canyon

**Pineywoods Beekeepers Association**

Terry McFall - (409) 384-3626

*tdmcfall@hotmail.com***Meetings:** 2nd Thursday of each month at 7 pm

St. Cyprian Episcopal Church Hall

919 S. John Redditt Dr. (Loop 287), Lufkin

**Red River Valley Beekeepers Assn.**

Larry Roderick (940) 237-2814

*roderickwaterwells@gmail.com***Meetings:** 3rd Tuesday of each month (except December) at 7pm

Bolin Science Hall Room 209, Mid West State University,

310 Taft Blvd., Wichita Falls

**Rusk County Beekeepers Association**

John Stewart - (903) 842-4433

*jes.stewart@gmail.com***Meetings:** Last Thursday of each month at 6 pm

Church of the Nazarene, 906 W Main St, Henderson

**San Marcos Area Bee Wranglers**

Leslie Patterson - (830) 305-3493

*smabeeWranglers@gmail.com***Meetings:** 2nd Wednesday of the month (June through February)

2nd and 4th Wednesdays (March through May) at 7 pm

Pecan Park Riverside RV Park, 50 Squirrel Run, San Marcos

**Southwest Texas Beekeepers Association**

Cynthia Schiotis (210) 317-5596

*swtexasbeekeepers@gmail.com***Meetings:** 3rd Thursday of odd numbered months at 6pm

Sutton County Public Library, 306 E Mulberry St., Sonora

**Temple Area Beekeepers Association**

Jim Billings (254) 760-2053

*holly21351@aol.com***Meetings:** 2nd Thursday of each month at 7pm

Troy Community Center, 201 East Main Street, Troy

**Texarkana Beekeepers Association**

Sarah Clinesmith - (903) 490-1080

*texarkanabeekeepersassociation@gmail.com***Meetings:** 3rd Monday of each month at 6pm

Texarkana Public Library, 600 W 3rd St Texarkana

**Texas Hill Country Beekeepers Association**

Greyson Elaine McMurray - (830) 777-7845

*texashillcountrybeekeepers@gmail.com***Meetings:** 4th Tuesday of odd months at 6:30 pm

Schreiner University, 2100 Memorial Blvd, Kerrville

**Travis County Beekeepers Assn.**

John Swan - (512) 677-7404

*ontact@TCBeeks.org**www.TCBeeks.org***Meetings:** First Monday of the month at 7 pm

Zilker Botanical Gdns., 2220 Barton Springs Rd., Austin

**Tri County Beekeepers Association**

Erin Davis - (903) 389-3436

*erin.davis@ag.tamu.edu***Meetings:** 4th Tuesday of each month at 5:30pm

Sam's Restaurant, Fairfield, TX

**Trinity Valley Beekeepers Association**

Ryan Giesecke - (214) 577-9562

*info@tvbees.org**www.tvbees.org***Meetings:** 2nd Tuesday of each month (except August) at 6:45 pm

C C Young Facility, Continuing Education Center,

4847 W Lawther Dr., Dallas

**Tyler County Bee Club**

Scott Martin - (409) 283-4507

*tcclub16@gmail.com***Meetings:** 4th Tuesday of each month at 6 pm

Nutrition Center, 201 Veterans Way, Woodville

**Walker County Area Beekeepers Assn.**

Mark Short - (281) 387-8124

*walkercountybeekeepers@gmail.com***Meetings:** Last Thursday of each month at 7 pm

Walker Education Center, 1402 19th St., Huntsville

**Williamson County Area Beekeepers Assn.**

Jim Colbert - (512) 569-7573

*colbertj@hotmail.com* *www.wcaba.org***Meetings:** 4th Tuesday of each month at 7 pm (except December)

Georgetown Public Library, 402 W 8th St., Georgetown

**Wise Texas Bee Club**

Donny Johns - (817) 939-3249

*info@wisetexasbeeclub.org***Meetings:** First Thursday of the month at 6pm

Public Library, Bridgeport

**Wood County Beekeepers Association**

Mary M Smith - (903) 342-3438

*woodcountybeekeepers@gmail.com***Meetings:** First Tuesday of every month at 6:30 pm

First National Bank, 315 North Main St., Winnsboro

# Directors -at-Large

## Area 1

### Chris Doggett

*ckdoggett@gmail.com*  
400 County Road 440  
Thrall, TX 76578  
(512) 914-2794

Bees in the East Beekeepers Association  
Bell/Coryell Beekeepers Association  
Brazos Valley Beekeepers Association  
Central Texas Beekeepers Association  
Fayette County Beekeepers Association  
Elgin Beekeepers Association  
Heart of Texas Beekeepers Association  
Hill County Beekeepers Association  
Southwest Texas Beekeepers Association  
Temple Area Beekeepers Association  
Williamson County Beekeepers Association

## Area 2

### Robin Young

*robinyng@pwhome.com*  
13737 FM 1171  
Northlake, TX 76262  
(940) 765-2907

Caprock Beekeepers Association  
Chisholm Trail Beekeepers Association  
Denton County Beekeepers Association  
Dino-Beekeepers Association  
Elm Fork Beekeepers Association  
Erath County Beekeepers Association  
Johnson County Beekeepers Association  
Metro Beekeepers Association  
Palo Duro Bee Club  
Red River Valley Beekeepers Association  
Wise Texas Bee Club

## Area 3

### JJ Swan

*kadeiquis@hotmail.com*  
5904 Burrough Dr.  
Austin, TX 78745  
(214) 316-4236

Alamo Area Beekeepers Association  
Austin Area Beekeepers Association  
Colorado County Beekeepers Association  
Comal County Beekeepers Association  
Concho Valley Beekeepers Association  
Fredericksburg Beekeepers Association  
Golden Crescent Beekeepers Association  
Hays County Beekeepers Association  
San Marcos Area Bee Wranglers  
Texas Hill Country Beekeepers Association  
Travis County Beekeepers Association

## Area 4

### Roger Farr

*rdfarr@gmail.com*  
6073 Farm Road 2348  
Mount Pleasant, TX 75455  
(979) 436-5310

Caddo Trace Beekeepers Association  
Collin County Hobby Beekeepers Association  
East Texas Beekeepers Association  
Henderson County Beekeepers Association  
Hopkins County Beekeepers Association  
Lamar County Beekeepers Association  
Trinity Valley Beekeepers Association

## Area 5

### Harrison Rogers

*brooksidebees@gmail.com*  
5402 Greenhill Road  
Brookside Village, TX 77581  
(281) 468-0019

Brazoria County Beekeepers Association  
Deep East Texas Beekeepers Association  
Foet Bend Beekeepers Association  
Harris County Beekeepers Association  
Houston Beekeepers Association  
Houston Natural Beekeepers Association  
Liberty County Beekeepers Association  
Montgomery County Beekeepers Association  
Pineywoods Beekeepers Association  
Tyler County Bee Club  
Walker County Area Beekeepers Association

## Area 6

### Myra Smith

*myras29@gmail.com*  
PO Box 37  
Hughes Springs, TX 75656  
(903) 639-2910

Longview Beekeepers Association  
Marshall Beekeepers Association  
North East Texas Beekeepers Association  
Rusk County Beekeepers Association  
Texarkana Beekeepers Association  
Tri County Beekeepers Association  
Wood County Beekeepers Association

## Texas Beekeepers Association

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#### Past President

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