Winter is coming ... Be prepared!

FREE SHIPPING on purchases of $100 or more. Some items do not apply.

Apivar®
Api-Bioxal Oxalic Acid
APIGUARD®
FORMIC PRO
Mite Away Quick Strips
Bee Cozy Insulated Winter Wrap M61005
Universal Entrance Reducer M00851
Winter Wrap M610010
Moisture Box M60060
AP23®
Artificial Pollen 23

www.dadant.com
51 S. Second Street, Hamilton IL 62341, TOLL FREE 1-888-922-1293
President’s Report
from Ashley Ralph

First of all, I want to say thank you to all the attendees, vendors, and volunteers for such a great Convention. A special thank you to the sponsors that helped to support the event as well - these sponsorships help us to put on great events and bring in high-quality speakers.

Dr. Lewis Bartlett was a phenomenal speaker and brought a ton of practical applications regarding varroa mite treatment as well as small hive beetles. We have recorded sessions that will be released slowly on our Texas Beekeepers Association YouTube channel as they become available. There were great speakers all around and a ton of learning happening in the hallways, classrooms, socials, and vendor areas.

I want to congratulate a few of our award winners as well:

Jim Petty Award – “Beekeeper of the Year” - Eugene “E.T.” Ash has worked for decades as a commercial beekeeper providing services, selling nucs, raising queens. He just retired from his position as the Apiary Manager at Texas A&M Honey Bee Lab where he provided, managed, and cared for the bees used for meaningful research. This effort along with his experience in beekeeping overall has made him an asset to the Texas Beekeepers Association.

President’s Award - Rebecca Vaughan has put in a tremendous amount of effort in organizing events over the past few years. Her efforts have helped to create some of our biggest and best events while creating a blueprint for future volunteers. We are so grateful for the work and energy that Rebecca has given to TBA.

John Thomas Meritorious Service Award - Mary Reed was given this prestigious, non-commercial beekeeper award for being a valuable resource for Texas Beekeepers across the state. She has been far more than a regulator – she has volunteered time for education, the creation of the Texas Master Beekeeper Program, 4H and FFA curriculum and so much more. We’re incredibly lucky to have Mary in Texas.

Lifetime Memberships were given for exceptional service and value provided to TBA to three deserving individuals.

Mike Hatch has volunteered countless hours in maintaining our websites as well as most of the technology used to run TBA. His thoughtfulness, thoroughness, and expertise is a huge asset to the Texas Beekeepers Association. Mike has helped to find creative solutions, think outside the box, and make ideas become reality and for that, we’re extremely grateful.

Myra Smith worked hard as a TBA Director and long before in promoting the THBEA license plate, creating the club centerpiece contest that raises money for THBEA, and providing club resources such as “how to start a club” and so many, more.

E.T. Ash and Jane Packard recently moved to California and while we know they’ll stay connected, we wanted to ensure it with this lifetime membership. They continue to support Texas A&M research students in so many ways and we all benefit from their generosity in helping continue bee research.

Our event team is already busy planning a great Summer Clinic - it’s amazing what getting together in person can do after so long apart. I saw smiles, new faces, old friends, and a ton of learning happening in Galveston and I’m looking forward to an even bigger and better Summer Clinic and Convention in 2022. We’ll have Keith Delaplane back in Texas and he’s always a huge hit. There are talks of more demos, panels, and advanced topics (as well as plenty of info for beginners) so we’re super excited to share with you all.

Save the dates:

Summer Clinic, Conroe, TX - June 25
TBA Convention, Temple, TX - Nov 3-6

As I mentioned in my last update, TBA had a productive year and we’re looking forward to continued improvement, new projects, and a great board to help execute the vision for the upcoming year. We can’t wait to share some of the exciting projects we have on the horizon, it’s going to be an incredible year.

As for the bee yard - most people are packing away their bees for the winter. We’ve spent the Summer and Fall building strong colonies to send into the winter and made sure they’re fed up and ready to roll. Now is the time to make sure you’ve got heavy hives filled with resources to make them through. If you’re new and unsure - ask a friend, mentor, or professional to come and help you assess. If you have light hives, feed them up, possibly add some insurance with a solid sugar brick (not fondant), and keep a close eye on them when the temperatures allow. For those of you who did the work leading up to winter - enjoy the break and prepare for the Spring. It’s time to order bees, queens, boxes, and everything in between. With supply chains the way they’ve been this year, it’s better to be ahead of the curve than behind.

Here’s to a great year in 2022! Enjoy the holidays, and prepare for your busy year in the off-season - you’ll be glad you did!
Vice Presidents Report

from Dodie Stillman

Let me start this article by saying hello to everyone! I'm really excited to be writing an article as the new TBA vice president! I'm honored to have the opportunity to serve in this new capacity and I am so looking forward to this upcoming year.

Because of our 2020 Covid year, and not being able to meet in person, we passed a resolution to keep all the board members in place for an additional year. So the big deal this year was getting to elect an almost entirely new board!! How exciting it is to welcome all our new board members; Nathalie Biggie, Charlie McMaster, Jimmy Middlebrooks, Byron Compton and Gary Barber. The last position on our board is filled by returning member Monica Siwiak.

Do you know what beekeepers, bikers and cheerleaders have in common? Well, on November 6-7, they were all in Galveston, Texas and many were at Moody Gardens! It was great to meet so many new beekeepers, and wonderful to finally get to see old friends in person again! With Megan Mahoney and Lewis Bartlett as our guest speakers, there truly was something for everyone, and I hope everyone learned something new.

The convention had over 300 attendees and almost everyone decided to forgo a seafood dinner on Saturday evening and share a meal with other beekeepers. The meal started with some announcements and awards were presented. Having so many folks at the banquet made for an excellent live auction to raise money for Texas Honey Bee Education Association (THBEA). 117 Items were auctioned off and raised $10,827. This money will help support THBEA's mission of education and research. More details on the THBEA live and silent auction, including the items that attracted the highest bids, can be found on page XX of the Journal.

Our Fall Convention wouldn't be complete without the Texas Honey Show, and this year was another successful year with over 23 judged entries and 13 black jar entries. We were lucky to have a wonderful new judge come to Texas and successfully fill the huge void that Ann Harman left for us. Please check out the article Robin Young has about behind the scenes of the Honey Show to get a great idea of what actually goes on behind the closed doors, and meet Mr. Brutz English. After the judging and the ribbons were awarded, the winning honeys were included in the live auction.

The THBEA Raffle was a success again this year. We sold tickets online even during the 2021 convention. We sold 1224 tickets and had donations of $325 for a total of $12,565!! Our big winner, Raffle Prize #1, a 20-Frame Electric Extractor donated by Dadant and Sons was won by Jeanne Lejeune of Cypress, Texas with ticket #21010391. For the full list of winners see page 10 later in the Journal.

There is one last item I need to mention, and this should really be at the top of the list, because our convention wouldn't be the success that it was without the help of our excellent Event Coordinator, Rebecca Vaughn. Our exceptional Event Chair and Vice President John Swan, our Secretary Leesa Hyder, the TBA Publication Director as well as the THBEA Chair, Chris Doggett, all around wonder woman Barbi Rose, our treasurer, Julie Haza, the Honey Show Chair, Robin Young, Charlie Agar for his video skills and Tim Elliot for his A/V expertise, Myra Smith, the centerpiece organizer,. and about 30 super awesome volunteers that helped with everything from selling TBA merchandise, to introducing the speakers, to adding signs and directing traffic!

There are so many people working behind the scenes of these events in order to give the attendees the best experience possible. These volunteers put in a lot of planning and preparation, sleepless nights, and vast amounts of energy and hard work in order to bring these events to life. Often times, all this effort can feel like it goes unrecognized by the majority. I could fill the entire journal if I tried to list all the names of the countless volunteers, past and present, who have helped make TBA and its events what they are today. So, on behalf of myself, and all of TBA, I would like to extend my sincerest gratitude to each and every one of you who have worked tirelessly and thanklessly to help make TBA the best that it can be. You are appreciated more than you will ever know! And I have to add, as I emailed with a good many of them, they almost all remarked that they will be volunteering again at our Summer Clinic in Conroe on June 25th, and are looking forward to the 2022 Fall Convention in Temple on November 3rd - 6th.Let me know if you'd like to join the volunteer list!!

I am honored, and humbled, to have the opportunity to serve as your Vice President. I can answer the email address (vp@texasbeekeepers.org) and my ‘virtual’ door is always open. So, if you should have any questions, comments, or feedback, please don't hesitate to reach out. Thank you!
Only U.S. FDA Approved Treatment for Nosema
Nosema is a fungal disease commonly found in honey bees

Honey bees consume nosema-causing spores from contaminated honeycomb or interactions with other bees. Once consumed, the spores begin to germinate in the bee’s mid-gut leaching the bee with nutrient loss and cell damage. The weakened bee is then more susceptible to disease and is also less productive.

*One nosema spore can multiply into several million spores within one worker bee that can in turn, contaminate the hive and surrounding colonies.*
Texas Honey Show 2021

“The bee is more honored than other animals, not because she labors but because she labors for others”

By: St. John Chrysostom

The Texas Honey Show Team was so excited to see all the wonderful things Texas Beekeepers have been up to. The “Praise Bee Cathedral” brought by Theresa Kveton set the stage for the convention this year. We could spend this entire article going through each section on of this masterpiece top-bar hive. We were told that Theresa is waiting for a call for a church to remove a swarm of bees to give them this incredible home.

Team brought in Brutz English from Georgia at the head honey Judge. He was wonderful to work with and we hope to have him back in 2022.

Pictured above: Monica Siwiak, Brutz English & Nanette Davis

Turnout was high considering a pandemic year. We had 48 participants and 79 entries. The Honey Show

Pictured above Winner of Best in Art: “Praise Bee Cathedral” by: Theresa Kveton

Second Place Winner in Art: Cari Krauter
<table>
<thead>
<tr>
<th>Class</th>
<th>1st</th>
<th>2nd</th>
<th>3rd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extracted Honey LIGHT / AMBER</td>
<td>Jimmy Middlebrooks</td>
<td>Don Whitaker</td>
<td>Selina</td>
</tr>
<tr>
<td>Extracted Honey MED/AMBER</td>
<td>Tanya Phillips</td>
<td>Katrina Semones</td>
<td>Beth (Ron) Derr (Gumm)</td>
</tr>
<tr>
<td>Extracted Honey DARK/AMBER</td>
<td>Glenn Kveton</td>
<td>Rebecca Vaughan</td>
<td>Glynn Smith</td>
</tr>
<tr>
<td>Creamed Honey</td>
<td>Rebecca Vaughan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chunk Honey</td>
<td>Danessa Yaschuk</td>
<td>Katrina Semones</td>
<td></td>
</tr>
<tr>
<td>Black Jar (Judged)</td>
<td>Gail Kerley</td>
<td>Rebecca Vaughan</td>
<td></td>
</tr>
<tr>
<td>Comb Honey - Halfhog</td>
<td>Gabriel Steward</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comb Honey - Cut Comb</td>
<td>Danessa Yaschuk</td>
<td>Katrina Semones</td>
<td></td>
</tr>
<tr>
<td>Wax Plain Block</td>
<td>Greg Rogers</td>
<td>Danessa Yaschuk</td>
<td></td>
</tr>
<tr>
<td>Beekeeping Arts and Crafts</td>
<td>Theresa Kveton</td>
<td>Cari Krauter</td>
<td>Dodie Stillman</td>
</tr>
<tr>
<td>Photo Close-Up</td>
<td>Greg Rogers</td>
<td>Lori Hatherley</td>
<td>Stephen Hatherley</td>
</tr>
<tr>
<td>Photo Scenic</td>
<td>Danessa Yaschuk</td>
<td>Nanette Davis</td>
<td>Rebecca Thomas</td>
</tr>
<tr>
<td>Photo Portrait</td>
<td>Theresa Kveton</td>
<td>Greg Rogers</td>
<td>Rebecca Thomas</td>
</tr>
<tr>
<td>Beekeeping Gadgets</td>
<td>Dan Brantner</td>
<td>Lori Hatherley</td>
<td></td>
</tr>
<tr>
<td>Candles</td>
<td>Rebecca Vaughan</td>
<td>Greg Rogers</td>
<td>Danessa Yaschuk</td>
</tr>
<tr>
<td>Bee Box Art Contest</td>
<td>Teri Albright</td>
<td>Rebecca Thomas</td>
<td></td>
</tr>
<tr>
<td>Traditional Mead - Semi-Sweet</td>
<td>Zachary Hancock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traditional Mead - Sweet</td>
<td>Brittany Fetterman</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fruit Mead - Cyser (Apple &amp; Honey)</td>
<td>Zachary Hancock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specialty Mead - Historical Recipes</td>
<td>Michael Bernoudy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specialty Mead - Experimental Mead</td>
<td>Keith Lawson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Show</td>
<td>Winner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>People's Choice Black Jar Honey</td>
<td>Rich Beggs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Honey</td>
<td>Jimmy Middlebrooks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best Small-scale Honey</td>
<td>Jimmy Middlebrooks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best Sideliner Honey</td>
<td>Danessa Yaschuk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Photography</td>
<td>Danessa Yaschuk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Art</td>
<td>Theresa Kveton</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Gadgets</td>
<td>Dan Brantner</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Combed Honey</td>
<td>Danessa Yaschuk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Creamed Honey</td>
<td>Rebecca Vaughan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Wax Block</td>
<td>Greg Rogers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Mead</td>
<td>Brittany Fetterman</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ann Harman Award of Excellence in Beekeeping</td>
<td>Greg Rogers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Centerpiece</td>
<td>Texarkana</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Best of Centerpiece People's Choice</td>
<td>Marshall</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
This year we add to the “Comb Honey “categories. It was exciting to see what everyone brought in. We try to add something new each year to keep us all growing and perfecting our craft. We are always open to suggestions you might have for future categories of competition.

Marie Yanchak, Saundra Smith, Virginia Allen and Jimmy Oakley Working the “Black Jar – People’s Choice” Pictured Above

Beekeeping Club Centerpiece Display Area Picture Above

The center pieces were as cleverly constructed as ever this year. Congratulations to Texarkana for winning “Best Center Piece” and Marchall for winning “Best of Centerpiece People’s Choice”.

From all of us on the Texas Honey Show Team, “Cheers! Merry Christmas and Happy New Year!”
You Know Bees.
We Know Beekeepers Insurance.

Your TRUSTED ADVOCATE for BEEKEEPING OPERATIONS Large and Small

★ Licensed in more than 40 states
★ Customized coverage for all areas of your business

800-541-9849 • www.txins.com

Contact us today to schedule your FREE insurance review.
Raffle Prize #1 - 20 Frame Electric Extractor donated by Dadant and Sons
**Winner:**
Jeanne Lejeune of Cypress, Texas

Raffle Prize #2 - Deluxe Beekeeping Starter Kit and Nucleus Colony donated by Mann-Lake, Ltd. and Texas Bee Supply
**Winner:**
Amy Mayhall of Cypress, Texas
Raffle Prize #3 - Deluxe Beekeeping Starter Kit and Nucleus Colony donated by MannLake, Ltd. and Texas Bee Supply
Winner:
Nathan Harvey of Argyle, Texas

Raffle Prize #4 - Four Nucleus Colonies donated by Winding Creek Apiary
Winner:
Maureen Miner of Plano, Texas

Raffle Prize #5 - Two Nucleus Colonies donated by BeeWeaver Honey Farm
Winner:
James Cobarruvias of San Antonio, Texas

Raffle Prize #6 - Two Nucleus Colonies donated by BeeWeaver Honey Farm
Winner:
Robert Borhofen of Meridian, Texas
Raffle Prize #7 - Populated Top Bar Hive donated by Prime Bees
Winner: Glenn Kveton of Adkins, Texas

Raffle Prize #8 - Two Nucleus Colonies donated by Holdman Honey
Winner: Stephen Perry of Kerrville, Texas

Raffle Prize #9 - Two Nucleus Colonies and Division Frame Feeder donated by The R. Weaver Apiaries
Winner: Rex Johnson of Onalaska, Texas

Raffle Prize #10 - Forty pound block Pure Bees Wax Donated by Moore Honey Farm
Winner: Greg Rogers of Whiteface, Texas
TX5000™ AND GOLDEN CORDOVAN™ BEES
Available for Preorder Now!

** TX5000™
- $359.00 ea
- COMPLETE HIVE
  - Screened Bottom Board
  - TX5000™ Bees and Queen
  - New Equipment
  - 7-Day Guarantee
  - Bred for VSH

** GOLDEN CORDOVAN™
- $389.00 ea
- COMPLETE HIVE
  - Screened Bottom Board
  - Golden Cordovan™ Bees and Queen
  - New Equipment
  - 7-Day Guarantee
  - Bred for VSH

** TX5000™
- $229.00 ea
- NUC
  - 5 Frame Pro Nuc Box
  - Tough as Texas Bees
  - Flexible Pick Ups
  - 7-Day Guarantee
  - Bred for VSH

** GOLDEN CORDOVAN™
- $259.00 ea
- NUC
  - 5 Frame Pro Nuc Box
  - Ultra Gentle Bees
  - Flexible Pick Ups
  - 7-Day Guarantee
  - Bred for VSH

** MARKED QUEENS
- $39.00 ea
- Always Marked
  - Italian/Carnolians
  - Flexible Pick Ups
  - Tough and Gentle
  - Bred for VSH

FREE SUPPORT AFTER PURCHASE!

Pick up at our DFW or HOUSTON stores. * New pick up location for 2022 in AUSTIN *

See more information and hours at texasbeesupply.com
(800) 356-4229
Now is the time for all good beekeepers to enjoy the finer things of the past year. There is really not much you can do during December except review your past year’s work. Think about what you might have done differently and achieved better results. Maybe you did a cut-out (that is a lot of work) and did not confine the queen on all of that comb full of capped brood. In a couple of days, all of those bees just decided to leave for someplace unknown. I have experienced the same situation and for some reason the bees don’t swarm out of the hive, they just disappear without a trace.

December is the time to reflect on your past months of learning more about the honey bee that you have invested your time and finances into to obtain what most beekeepers expect – a bountiful harvest of honey for sale or for a nice Christmas present to friends and next-door neighbors.

Cold weather will soon be upon us. You will need to check your hives for stores during the winter months. In the ArkLaTex area, there will still be days of weather warm enough to do an inspection inside the hive. On cold and windy days, you can estimate the amount of stores using the two-finger lift. If the hive feels light, feed 2-to-1 sugar syrup. Be cautious when you feed sugar water to your hives and do not spill it inside the hive. Spilt sugar water could start a robbing situation. Entrance reducers installed with the smallest opening could prevent a robbing disaster for a weak hive. Be zealous in your attention to your hives. Do not let them exhaust their stores and starve to death. Weekly attention through the cold months will pay dividends with more successful hives in March.

Did you attend your local bee club meetings? Did you participate in club functions? There are many opportunities to participate. There is always a need to help set-up before the meeting and clean-up afterwards. Maybe you may have had an experience that never happened before that you think might benefit other club members. Or, you may want to share something you have been doing in your beekeeping activity that others might consider for their next year’s operation. I know the program chair would be happy to schedule you to share at the next month’s meeting.

Volunteer organizations need workers. For some reason, most people don’t want to be in a place of responsibility. Why? Because they short change themselves by believing other members are more knowledgeable and have more to offer. But we all learn from shared experiences, whether our level of knowledge is sufficient for us to teach or whether our role is to raise a question and start a dialog. We are all in the club to learn and to do our best to improve the art of our chosen passion. So when you offer yourself for a leadership position in 2022, I suspect you will find at the end of your term, you have become more knowledgeable in all aspects of beekeeping.

I had the privilege of attending the 2021 Texas Beekeepers Association Convention in Galveston during November. There were some great speakers presenting different topics related to beekeeping. One interesting discussion about “Effects of Honey on Cancer” indicated the best US honey for medical use is Buckwheat Honey. If you are interested in obtaining more information, there are several articles available on the Internet.

TBA’s campaign to improve the funds available to A&M Entomology students reached its goal thanks to generous donations from individuals and from TBA clubs. This is the Nevin Weaver Endowment Fund. It provides financial resources to the Texas A&M Bee Lab to complete vital research that benefits honey bees, the beekeeping industry, and beekeepers throughout the nation. We want to assist those young, bright minds who will in turn provide future beekeepers information to keep our associations headed in the right direction.
HOLIDAZZE
at the HONEY FARM
BEEWEAVER NAVASOTA, TX DEC 4, 2021 12 PM - 4 PM

Our Christmas Open House!
Every holiday season we open up our doors to all who wish to be merry!

WE RENOVATED THE SECOND FLOOR OF OUR HONEY HOUSE TO MAKE A ONE OF A KIND VACATION SPOT. BOOK YOUR STAY NOW!

LIVE BEES - MERCHANDISE - HIVE TOURS - LESSONS - HONEY BAR - BEE EXPERTS - MEAD TASTING ROOM

BEEWEAVER.COM 16491 CR 319 Navasota, Texas 77868  (512) 535-2219  Follow the signs!  @beebeaverhoneyfarm  @wildflyermead
Hold a Honey Extraction Party

"The Continuing Journey of Two Ninth-Year Small-Scale Beekeepers"
TBA Journal Article – November 2021

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.

Planning. Harvest. Giving thanks. English clergyman Henry Alford wrote these great lyrics in 1844: “Come, ye thankful people, come, raise the song of harvest home; all is safely gathered in, ere the winter storms begin. God our Maker doth provide, for our wants to be supplied; come to God’s own temple, come, raise the song of harvest home.”

The two of us sat at our kitchen table last month planning Roger’s 65th birthday. Take a trip...nah! Buy something...don’t need anything. Have a cake...no icing, please. Hold a honey extraction event and birthday party simultaneously...what a great idea!

We invited several first-year beekeeping families to a multi-day extraction party in our garage. We finished our own extraction beforehand and so checked out all the equipment before the NewBees arrived. They counted their honey frames; some had a few frames and some had had three full boxes. We furnished the extraction equipment. They brought a 5-gallon pail for their honey and a coffee grounds container for their wax. We made appointments over three days.

We gave instructions ahead of time on how to harvest their honey. They kept back, on their hives, honey and nectar to resource their bees this fall and winter. We cleaned the garage. They battled wind, rain, and bees to remove frames from the hives as the weather turned cold and rainy on the days before the extraction party. We provided simple food and drink. They brought their buckets, opened the wax cappings, and helped keep the six-frame radial extractor from dancing across the garage concrete floor. Together, we marveled at their harvests. On cue, each beekeeper said, “That’s the best honey I’ve ever tasted!”
Those three days were a lot of work for us, and the harvest joy made it all worthwhile. We’re in bees for the beekeepers, and this event touched all the bases for us and, hopefully, our NewBees as well. We are thankful people and closer friends with these five families. We sat around the kitchen table telling life stories as we waited for honey to flow through the sieve and the wax cappings to drain. All of us worked hard to care for our bee colonies this last year, and we gathered in the harvest, both honey and wax, safely. It was a great birthday celebration!

The last NewBee left, so we cleaned our garage again. The bees found the equipment, set out for them under the trees about 100 meters from our apiary, and cleaned the last sweet bits. We bottled our honey, started making candles and wax products, and contacted faithful fall-honey customers letting them know the harvest was in. A few customers purchase 10 to 20 pounds to make sure it lasts until next fall’s harvest.

Winter storms are already here in northeast Texas. The rainwater tanks are filling up, and the temperatures and leaves are falling down. We’re mulching our plants and apiary. We will soon reduce the space in our colonies to their winter configuration. Oxalic acid vaporization, to treat varroa mites, is the next task reserved for a coolish 50-degree day in December.

God our Maker did provide, again, by supplying our needs and wants: friendship, hard work, useful skills to share, and hive products to open meaningful conversations. Honey bees are amazing, and God is great!

We’d love to hear about your beekeeping adventures and your club’s plans for new beekeeper training!

Roger and Sue Farr - rdfarr@gmail.com
The Texas Honey Bee Education Association (THBEA) is a non-member, IRS designated under section 501(c)(3) non-profit, controlled entity of TBA. THBEA’s current directors, appointed by the TBA Executive Committee, are Chris Doggett (Chairman), Jerry Maxwell, Chris Moore, Julie Norman, Ashley Ralph, John Swan, and Laura Weaver - Leesa Hyder, Sec.; Julie Haza, Treasurer.

THBEA began in 2016, and according to its founding documents is organized exclusively to:
- enhance and expand the awareness of the contribution of honey bees to agriculture and to society,
- create additional appreciation and interest in the profession of beekeeping through studies in technical and scientific subjects,
- strengthen beekeepers’ skills through education programs, and
- provide resources for continuing bee research particularly in areas that will advance bee culture, improve pollination, and conserve biodiversity.

In 2021, THBEA had many successes, despite the challenging environment. Its activities are broken into three broad areas.
- **Fundraising**
  - Received a grant of $13,253 from the Texas Department of Agriculture from the annual sale of the honey bee themed specialty license plates
  - Conducted a fundraising campaign for the Nevin Weave Honey Bee Excellence Fund which raised $100,000 the endowment
  - Conducted THBEA’s second annual online raffle (in progress) and silent and live auctions at the 2021 TBA Convention
- **Grants Awarded**
  - Awarded an increased number of youth program grants to TBA-member associations and youth organizations; will soon be taking applications for 2022
  - Awarded grants to honey bee research and pollinator promotion organizations
- **Projects**
  - Developed a public-information campaign utilizing a new brochure - “You Can Help Texas Honey Bees...Here’s How” and distributed more than 5,000 copies
  - Reprinted the “NewBees’ Guide to Texas Beekeeping” – approximately 10,000 copies distributed in three years

THBEA may focus in 2022/23 on these additional potential projects:
- Selecting the THBEA focus area for 2022/23 – In 2021 it was public education; 2022’s focus will be on youth education through “Youth Day Events” at locations throughout the state.
- Award grants to TBA-member associations for youth programs
- Award grant to TBA for the 2021/22 Honey Queen Program

THBEA receives funding from:
- Contributions by beekeepers and those interested in supporting the beekeeping industry in Texas,
- Grants from other 501(c)(3) organizations whose goals are in line with THBEA’s, and
- Grants from Texas Department of Agriculture for sales of the honey bee themed TxDMV specialty license plate. THBEA receives $22 for each new plate or registration renewal.
WHERE TEXANS GET

BEES

AND BEEKEEPING SUPPLIES

Order for Spring Beginning October 1st

• Weaver Buckfast Queens
• 3# Package Bees
• 4-Frame Nucs with Feeder
• One Story Established Colonies
• Beekeeping Supplies
• Beekeeping Classes

SHOP RWEAVER.COM OR VISIT OUR STORE

SHIPPING & PICKUP AVAILABLE

Store Hours
M - F 8am - NOON & 2pm - 4pm
Saturday: 8am - 2pm (April Only)

R.WEAVER APIARIES
16495 C.R. 319, Navasota, TX 77868
(936) 825-2333 | www.RWEAVER.com

Taking Care of Bees-ness Since 1888
Dear TBA members,

The holiday season is upon us, and with it come all the end-of-the-year last to-dos at the bee lab, as well as immense gratitude for all the accomplishments and support we received in 2021. This is bound to be one of the longest pieces I’ve written in a while, mostly because of all the activities we have participated in over the past couple of months, so bear with me while I tell you about our presence and impact in October and November 2021.

First, I want to say that The Texas A&M Honey Bee Lab, Texas Beekeepers Association & Texas Honey Bee Education Association are thrilled to announce that we now have OFFICIALLY SURPASSED our original goal of raising to $250,000 in the Nevin Weaver Honey Bee Excellence Fund. Through your support, we have raised the fund to a total of $253,242 so far. This means that we now must set up a new achievable goal. What if we go for the next level, and reach $300,000? A small gift of $5 (or more) during this holiday season will provide students the opportunity to complete vital research that benefits honey bees, the beekeeping industry, and beekeepers throughout the nation. Thank you for considering joining us in the movement to save our bees through research and education.

Your contribution (however large or small) will help us maintain the movement to save our bees through research and education. Your contribution will provide students the opportunity to complete vital research which has graciously created a payment link just for the Nevin Weaver Honey Bee Excellence Fund. To donate via the THBEA website, simply click on the DONATE button on the following website: http://give.am/NevinHoneyBeeFund

You can also send a check payable to “THBEA” and write “Nevin Weaver Endowed Excellence Fund” in the subject line. You can send your contribution to:

THBEA
C/o Shirley Doggett
400 County Road 440, Thrall TX 76578

Now with the recent and future activities that our lab has been involved in. I was the keynote speaker for the Collin County Beekeepers Association on Tuesday, 11 October. The meeting was held virtually and in person (I spoke via Zoom), and my presentation was titled “Nutritional Ecology of Honey Bees in a Changing Landscape.”

In late October-early November, me and my family embarked on a long, multi-city tour. First, we traveled to Florence, Oregon, from 21 to 25 October, as I was one of the keynote speakers for their annual fall convention. I gave talks on our recent nutrition work, as well as the work we’ve done on the factors that affect the reproductive health of queens and drones. More information about the Oregon State Beekeepers can be found at https://orsba.org/events/categories/conferences/. Then, we traveled to Seattle, Washington, to meet with collaborator and friend, Sue Cobey. I am delighted to say that we have been able to confirm her participation at next year’s Art of Queen Rearing Workshop. More details on the event will become available early in 2022. Then, from 30 October to 3 November, we traveled to Denver, Colorado, for the annual meeting of the Entomological Society of America. I was invited to present at a symposium, and all our graduate students (Alex, Taylor, Jordan, and Myra), plus undergraduate student Mary Beth Buchman, presented at the conference. Additionally, I was busy coaching the graduate team that participated in the national Entomology Games, the trivia bowl competition that tests students’ knowledge of historic and novel aspects of entomology.

Upon return from Denver, we went to Moody Gardens, Galveston, TX, for the annual TBA Convention. Our lab had a booth, and Cade Houston, Taylor Reams, and myself, spoke at the convention. Many folks are going to write more in-depth pieces about the many successes of this year’s convention. So, I will briefly talk about ours. First, I want to thank my friend Silvana Lasagna, for her generous donations to our program. Silvana is a Chilean artist based out of College Station. She specializes in all kinds of painting and sculpture techniques, and also owns an art studio in which she teaches art to kids. A few years ago, Silvana and her husband began keeping bees. I’d like to think that our
friendship and my work had something to do with their new hobby. They now own a piece of land and six-to-eight colonies that they manage on a weekly basis. Because of our shared love for honey bees, Silvana donated two of her bee-themed paintings for the live auction at the convention. But most importantly, we decided to hold an art contest in which convention participants that visited our booth would have an opportunity to vote for their favorite of 13 different bee-themed paintings made by kids ranging in age from six to sixteen. The winner of the contest received a prize and a lot of notoriety! We hope to make this contest a recurring event at all annual conventions. We also witnessed the recognition of ET Ash and Jane Packard, who were recognized for their service to the beekeeping industry of TX. I am so proud of them, and so honored to be able to call them friends. We also saw the recognition of Mary Reed, who received the John G. Tomas Meritorious Service Award for all the work that she has done as Chief Inspector of the Texas Apiary Inspection Service. This was a very well received award. Congratulations to Mary and her team. Overall, the convention was a great success, and we received many additional donations to the Nevin Weaver endowment fund, which was just icing on the cake.

Finally, I was also this year’s guest speaker for the (virtual) annual meeting of the Ontario Beekeepers Association, Ontario, Canada, on Saturday, 20 November 2021. My talk was titled “Nutrition as a Mechanism for Pathogen Defense” and was very well received! Hopefully I will get to visit them in person one day in the near future. It has been a crazy couple of months with lots of traveling and action, but I would not change it for the world.

The next session in the At Home Beekeeping Series will be Tuesday, 30 November, from 6:30–7:30 PM CST. Our speaker this month is our own Alex Payne. She will be speaking on honey bee-associated viruses. We’re offering beekeepers the chance to attend virtual meetings from the comfort of one’s own home using a computer or mobile device. Speakers include university researchers and extension specialists from across the SE as well as USDA ARS researchers. Each event will bring participants up to date on timely beekeeping topics with time for Q&Â included.

The lineup for 2022 talks is as follows:

January 25: The many facets of honey bee nutrition, with P. Chakrabarti (MSU)
February 22: Integrated Pest Management in the hive, with Cameron Jack (UFL)
March 29: Methods for controlling Varroa that work, with Jennifer Berry (UGA)

Please help us out by sharing this info on your social media sites and sending the flyer to your partners and local beekeeping associations. Please help us out by sharing this info on your social media sites and sending the flyer to your partners and local beekeeping associations. Here is the link to the event on Facebook: https://fb.me/e/KSe55Cpn. As always, all the presentations are posted for two weeks after the live showing at the Lawrence County Extension page https://www.facebook.com/LawrenceCountyextension. Feel free to re-share this post from that site, share the event onto your Facebook sites, or create your own post with the jpg attached.

At last, continuing with the series I am calling REASONS TO CELEBRATE, I want to share with you more of the multiple accomplishments of our incredible group of students and staff.

REASON TO CELEBRATE #16: Rangel lab students presented oral talks at the annual meeting of the Entomological Society of America (ESA) in Denver, Colorado. All strong, smart, female scientists, who gave excellent talks and represented our lab with flying colors. We are very proud of Mary Beth, Myra, Jordan, Taylor, and Alex!!!

REASON TO CELEBRATE #17: Rangel Lab Ph. D. student Jordan Twombly Ellis, who received the 1st place award, and to Mary Beth Buchman, who received the 2nd place award, both in their respective categories (graduate and undergraduate student competition), at the ESA meeting in Denver, CO.

REASON TO CELEBRATE #18: We are the National Runners-up of this year’s Entomological Society of America Games!!! Congratulations to all team members: Joanie King, Fabian List, Jaclyn Martin, Morgan Thompson, and Amy Dickerson. We lost to the University of Hawai’i, but the games were a lot of fun and I am very proud of the team.

REASON TO CELEBRATE #19: Fresh off the press!!! Congratulations Alex Payne, Myra Dickey, and Taylor Reams, who just got selected among four graduate students to be awarded a scholarship in the amount of $5,000 USD through the 2022 award cycle of the Foundation’s Scholars Program. That means three of four for our lab this year, which is just FANTASTIC. The purpose of this scholarship, in addition to providing financial support for research, is to foster professional development of emerging apiculture scientists by allowing award recipients to attend the American Beekeeping Federation (ABF) Conference & Tradeshow. Besides the monetary award, the ABF will pay for all expenses for all three students to attend the upcoming event on January 5–8, 2022 in Las Vegas at the South Point Hotel. Way to go!
Congratulations to all the former and current Rangel Lab students for presenting wonderful talks at the national meeting of the Entomological Society of America. From left to right: Dr. Adrian Fisher II, Alex Payne, Myra Dickey, Jordan Twombly Ellis, Taylor Reams, M.S., and myself. Jordan obtained first place in her category and Mary Beth Buchman (now shown) obtained second place in the undergraduate category. We are very proud of you!

So proud of the Texas A&M University Graduate Team! We are the National Runners-up of this year’s Entomological Society of America Games!!!

Dr. Rangel with Texas Honey Queen, Ms. Marie Yanchak, who was present at the TBA Convention. Congratulations Marie!

One of two paintings donated by College Station artist Silvana Lasagna. Combined, both paintings fetched $525 at the TBA Convention’s auction. The funds were donated to the Nevin Weaver Honey Bee Excellence Fund.
The Texas Honey Bee Education Association (THBEA) is proud to introduce a great new way for Texans to support education and research programs dedicated to preserving and protecting honey bees. The new THBEA “Love Honey Bees” license plate is now available for sale online and in county tax assessor offices where license plates are sold and renewed across the state.

For every license plate purchased, $22 will go to the THBEA for youth and beekeeper education programs, information resources for farmers and the general public, and research programs to improve honey bee health and longevity.

Order On-Line at:

https://www.mypaltes.com/design/background/passenger/love-honey-bees
You might not be aware, but last year there was a big change for beekeepers selling honey in Texas. With little fanfare, the Texas Department of State Health Services posted an update to their website titled, *Beekeeper Honey Production Frequently Asked Questions – Added July 16, 2020*, and for all practical purposes, made the licensing exemption for “Small Honey Producer” irrelevant.

Texas now considers beekeeping and honey production to be “farm” activities and the rules for a farm apply to beekeepers when they harvest, extract, package, label, and sell pure raw honey. Now as a “Beekeeper Honey Producer” you can sell raw honey produced from your own bees/hives a do not need a license to bottle and sell, whether for retail or wholesale.

There are still rules though, and finding them is more difficult than before. The rules that apply to Beekeeper Honey Production can be found in these Federal and State regulations and guides. (All are hyperlinked.)

- Code of Federal Regulations, Title 16, Chapter I, Subchapter E, Part 500, Regulations Under Section 4 of the Fair Packaging and Labeling Act (16 CFR Part 500)
- Code of Federal Regulations Title 21, Section 1.227 (21CFR1.227), Registration of Food Facilities
- Texas Administrative Code, Title 25, Part 1, Chapter 229, Subchapter GG, Sanitary Transportation of Human Foods (25 TAC 229)
- Texas Agriculture Code, Title 6, Chapter 131, Bees and Honey, Subchapter E, Labeling and Sale of Honey
- Texas Health and Safety Code Title 6, Subtitle A, Chapter 431, Texas Food, Drug, and Cosmetic Act
- FDA Classification of Activities as Harvesting, Packing, Holding, or Manufacturing/Processing for Farms and Facilities: Guidance for Industry
- FDA Guidance for Industry: Questions and Answers Regarding Food Facility Registration (Seventh Edition) August 2018
- FDA Proper Labeling of Honey and Honey Products: Guidance for Industry, February 2018
- Texas Department of State Health Services Frequently Asked Questions – Food Manufacturers, Wholesalers, and Warehouses, Beekeeper Honey Production Frequently Asked Questions – Added July 16, 2020

If you skipped reading the list, I don't blame you. And really, who has time to read through all of these documents to find the bits and pieces that apply to beekeepers and honey?

What’s really needed is a publication like the *Texas A & M AgriLife Extension's Selling Honey in Texas by Rebecca Dittmar* that described the Small Honey Producer rules; it had everything you needed to know and was easy to understand.

Until a new publication is available for Beekeeper Honey Production, and based on the research I've done, here is my understanding of the requirements for Beekeeper Honey Production.
Honey Requirements:

- It must be pure raw honey from your bees/hives
- Farm activities that are permitted are:
  - Harvesting (uncapping, extracting, straining/filtering liquid honey and cutting comb honey)
  - Packing or holding (store in barrels, buckets, or any container not for the consumer)
  - Packaging (putting into containers for sale to the consumer) and Labeling
  - Drying/dehydrating honey
  - Blending other raw honey with your honey
  - Freezing, refrigerating, and warming honey (per DSHS, warming to less than 160˚F is permitted)
- Manufacturing/processing operations are not allowed. Some examples of operations that are considered manufacturing/processing and are not permitted are:
  - Using heat to pasteurize
  - Whipping in air to make whipped honey (Which isn't how creamed/whipped honey is actually made, but that's a topic for another day.)
  - Adding/infusing anything to the honey (spice, flavoring, ‘extra’ pollen)

Location(s) for harvesting, packing/holding, packaging and labeling:

- At the “primary production farm” (any location or building on the property where you have your apiary/apiaries).
- At the “secondary activities farm” (operation, not located on a primary production farm, devoted to any of the approved operations listed above. You must own, or jointly own, a majority interest in the secondary activities farm operation – you don’t have to own the property, just the “operation.”) This means you can extract/bottle/store, etc. the honey away from your apiary. For example, your apiary in the country is the primary production farm and your home where you extract/bottle/store is your secondary activities farm.
- You do not need a honey house or facility inspected by the TX Dept. of State Health Services.
- You do not need a license or to register with the State or any other government agency (as long activities stay within the “allowable farm activities”).
- Food Handler certificate is not required (but an online course only costs $7 and educates on the basic food safety practices everyone should follow).

Requirements for Sales:

- Limited to sales within Texas
- No annual dollar limit, no in-person requirement, no direct-to-the-consumer requirement
- Anyone associated with the “farm” can sell the honey (family members or employees)

Requirements for Labeling:

- Texas Agriculture Code, Title 6, Chapter 131
  - If your label uses the words “honey,” “liquid honey,” “extracted honey,” “strained honey,” or “pure honey” to identify the product, it must be 100% pure honey.
  - If your label uses a picture or drawing of a bee, hive, or comb it can only be used on containers of 100% pure honey. (Something to consider if you sell, or plan to sell infused or flavored honey under Cottage Food Production Operations)
- Violating the labeling requirements above is a Class B misdemeanor
- Texas Health & Safety Code, Chapter 431 Sec. 431.082(f)(1) standard required labeling:
  - name of the product
  - net weight statement in (both metric and inch/pound units [16 CFR Part 500])
  - name and address of business/beekeeper
- A voluntary warning statement is recommended due to the chance that an infant could
contract Infant Botulism after ingesting honey. The statement commonly used is the following: “Do not feed honey to infants under one year of age.”

- The following statement is no longer required: “Bottled or packaged in a facility not inspected by the Texas Department of State Health Services.”

- Nutrition Information if your annual business sales to consumers are more than $500,000 or your annual food sales to consumers are more than $50,000. [Sec.431.082(q)(1) and (3)(D)]

In summary, you can now sell pure raw honey in-person, by mail, phone, and online from any location you choose. You can sell pure raw honey direct to the consumer as before, but now also to stores, restaurants, gift shops, or any other retail or wholesale business in Texas. Also, you do not need to bottle in an inspected facility, nor do you need a Food Manufacturer license.

Disclaimer: I am not an attorney and my opinions should not be considered legal advice. Conduct your own research or consult an attorney.

Lynne Jones is a 5-year beekeeper and owner of Brazos River Honey. She serves as the Secretary-Treasurer of the Fort Bend Beekeepers Association and is an original member of the Real Texas Honey™ program. She is currently at the Advanced level of the Texas Master Beekeeper program but needs to get motivated and start working on the requirements for Master.
FAST, FREE SHIPPING
On orders over $50

HUNDREDS OF ITEMS AVAILABLE!

texasbeesupply.com
(800) 356-4229

DFW Area: 14665 County Road 633
Blue Ridge, TX 75424

Houston Area: 351 County Road 6243
Dayton, TX 77535
Hello Texas beekeepers!

I hope all of you have had a successful fall beekeeping season and have already started gearing up for the winter months. This is a good time to make sure your bees have enough honey stores, remove queen excluders (if you use them), and think about reducing the hive entrance and shielding the screened bottom board if you live in a cold and windy location. All of these measures will help ensure that the bees stay well-fed and cozy during these colder months. Here at our office we have had a busy season getting our inspections completed. There are quite a few beekeepers who come to Texas in the fall to take advantage of the mild winter before heading out to California in January for almond pollination. Fortunately we have not seen any symptoms or issues out of the ordinary this season. Most of the hives have looked healthy and well-prepared for the coming months.

This fall we were able to hold an in-person exam session for the Texas Master Beekeeper Program for the first time since November of 2019. We had a great turnout for the Apprentice, Advanced, and Master levels, and I’m happy to say that everyone who participated passed their exams! Congratulations to all of the participants and I hope we see you at a future exam session. We plan on hosting another in-person session in the spring on Friday, March 25th in Brenham, TX. More details about this upcoming exam session will be sent out to the program’s email listserv and Facebook page at a later date. If you are interested in learning more about the TMBP, I recommend checking out the Program Requirements document available on the program’s website (https://masterbeekeeper.tamu.edu/program-requirements/). If you have any questions about the program, please don’t hesitate to reach out through the contact form: https://masterbeekeeper.tamu.edu/contact-form/.

As we finish out the year, I want to remind everyone that this is the perfect time to start planning your spring bee season. Whether that means ordering bees or queens, building new equipment, or polishing your trusty hive tool, you should use this time to assess how this past year went and what changes (if any) you want to make in this coming year. As always, if you have any questions or concerns, please don’t hesitate to contact our office (tais@tamu.edu; 979-845-9713). In the meantime, I hope you all have a safe and happy holiday season!
SuperDFM®-HoneyBee™
premium probiotic

Optimize Digestion
• increase nutrient absorption

Strengthen Hive Immunity
• control chalkbrood & nosema
• pesticide protection
• vitellogenin support

7 probiotic strains

Better Health | Boost Detoxification
probiotic bacteria, enzymes, and yeast

Prepare for Pollination

Shop at TexasBeeSupply.com 1(800)356-4229

Texas Bee Supply
beekeepers helping beekeepers™

Nov / Dec 2021 THE JOURNAL OF THE TEXAS BEEKEEPERS ASSOCIATION 29
Where Does Honey Fit into a Healthy Diet?

The holiday season is upon us and talking about the “D Word” is forbidden. However, immediately following the holiday season is the “I’m trying to eat healthy” season and it certainly does not hurt to think ahead. We all know the health benefits to being a beekeeper. The work and the harvest help us to keep physically active. Beekeeping can be mentally therapeutic also (and on the opposite side, it can make us mentally crazy). But how many beekeepers truly know the health benefits and the nutritional science of the product that we (along with the bees) produce? Most of us only know “It’s good for you” as a response to questions about how honey fits into diet. We also know honey is loaded with sugar (carbohydrates), which recently has been given a bad reputation. It may help us all to have more knowledge of the product that we (along with the bees) produce and sell.

Most beekeepers know quite a bit about honey bee health, but how much do we know about the health of honey?

Nutritionally, honey is around 70% carbohydrates. Sucrose, which is not found is honey, is table sugar and is actually a combination of both glucose and fructose and most often extracted from sugar cane. Glucose and fructose, the sugars found in honey, are molecularly different types of sugar. These chemical structures and the way that your body digests and processes them, make honey and table sugar very different.

So, what are the differences in sugars and why is honey a superior sweetener?

Some people might tell you that sugar is sugar. To some extent this is true. Calorically speaking, table sugar comes in at 16 calories per teaspoon compared to 21 calories for honey. However, because of high content of fructose in honey, our taste buds perceive honey to be 2-2.5 times more sweet than regular table sugar, so we are able use a lot less to sweeten our food.

Sucrose is a disaccharide. It is one molecule of glucose and one molecule of fructose joined together. Your body cannot digest
sucrose as it is, so it must first separate the two molecules before it can even begin to digest and use it. Because of this, sucrose often lasts longer in the body than the either glucose or fructose alone, and subsequently your body can feel a very delayed feeling of satiation when eating plain table sugar and feel the effects of higher blood sugar for longer duration.

Glucose is a simple carbohydrate—a monosaccharide, which means it is a single sugar. In the human body, glucose is used for cellular respiration. For this reason, it is often referred to as "blood sugar" because it moves through the blood and diffuses across cell membranes. On an interesting sidenote, if honey has a higher glucose percentage, then it will crystallize faster. This is because glucose molecules are less soluble. When honey crystallizes more quickly, the sugar crystals are smaller and smoother. The slower honey crystallizes, the larger and grainier the sugar crystals become.

Fructose is a more complex sugar and almost 40% of the sugar in honey is fructose. In your body, fructose is absorbed by the lining in your small intestine. But since fructose is a more complex sugar than glucose, your body takes more time to digest it. In fact, your body must first convert fructose into glucose before it can be used. Because of this, fructose does not affect your blood sugar levels as immediately as glucose.

The quantity and quality of carbohydrates consumed affects insulin release in your body, hunger, and fat storage. The Glycemic Index (GI) is an objective way of measuring this effect. Sugars in food are often compared and categorized by their Glycemic Index. The lower the Glycemic Index, the slower the absorption and digestion process, which means a more gradual and healthier infusion of sugars into the bloodstream. It can also be a useful tool to identify foods that are more nutrient-dense, as well as what foods are higher in refined carbohydrates. For reference, honey has a Glycemic Index around 49, and sucrose (table sugar) has a GI of about 65.

Sometimes foods are healthy not for what they are, but what they are not.

The word “natural” has been associated as something to be desired in our food. In most grocery stores, you will find an entire aisle dedicated to “natural foods.” What exactly is a natural food? Is honey a natural food? A common definition of a natural food is a food that has not undergone treatment with preservatives and minimal processing.

Perhaps you have been told that honey is not a processed sugar. This is not entirely true. Honey is indeed a processed sugar, but in its raw form it is not a mechanically processed food. Honey is most certainly processed; however, it is processed inside the honeybee. The process of taking sugar cane and creating white table sugar involves a lot of mechanical processing and the chemical processing uses lime, sulfur dioxide, and bleach to create the product that is on your table. Honey goes through almost zero mechanical or chemical processing once it is out of the hive.

We all have a general idea of how the bees collect the nectar and how after the forager bee returns to the hive, the honey is exchanged from the honey sac of the forager bee and into the mouths of younger bees in the hive. Those bees pass around the nectar to one another, ingesting it and chewing it, and in this process the water content of the honey is reduced, and enzymes are added. These enzymes are the “preservatives” of honey.
There is an enzyme called invertase in the honey bee and it works to covert the sucrose in the nectar of the flower into two simple sugars: fructose and glucose. After this chemical reaction is complete, another enzyme called oxidase converts some of the glucose into gluconic acid and hydrogen peroxide. Honey is actually indeed very acidic, it has a pH of about 3.8, just slightly less acidic than oranges (average pH of 3.2) Many common bacteria require a pH of at least 4.0 in order to grow and multiply. For instance, E. coli requires pH 4.3 and Salmonella needs a pH of 4.0. The acidity of honey is what slows the growth bacteria and fungus, acting like a natural preservative.

The bulk of the composition of honey is sugar and water, but in that last 1% of its composition are some pretty magical ingredients. Honey contains a whopping eighteen free amino acids (proteins), the most abundant being proline. Also, honey has many B vitamins, including niacin, folic acid, riboflavin, B6 and pantothenic acid. Also, there are trace amounts of calcium, zinc, iron, magnesium, selenium, iron, manganese, and chromium. If you have ever wondered the difference between darker and lighter honey, one of those differences is that the darker honeys have higher levels of flavonoids, one of which is pinocembrin, and only found in honey and propolis.

So where does honey fit into exercise?

If you eat honey before exercise, you allow for an instant, slow, and steady release of glucose and fructose into the blood. Because of the high content of glucose, honey can be absorbed into the bloodstream without the process of breaking it down. This allows for near instant carbohydrate fuel and can keep your body from using its stored muscle glycogen as fuel. Sparing muscle glycogen can keep fatigue at bay.

A bit later into a more strenuous workout, the fructose in honey would begin to be digested by the small intestine, again allowing for more fuel for your exercise. The glucose and fructose combined in honey allow for a consistent energy source without the long build-up time and crash that regular table sugar gives as carbohydrates. Honey can be a relatively longer-lasting source of energy for the body.

Conclusion

Honey has a place in our diets and should be used whenever possible to replace table sugar. It is an excellent option for those looking to make healthier choices in the new year. It also makes an excellent workout carbohydrate for those looking to fuel up before or after any strenuous exercise.

About the author

Dayna Druke is a professional beekeeper, ethical bee remover, and wannabe weightlifter in Fort Bend County, TX. She lives on a small ranch with her husband, 5 children, miscellaneous farm creatures, and about 200,000 bees, give or take a few.
We write over 88% of the Beekeepers in the program Nationwide.

BEEKEEPING
INSURANCE SERVICES

APICULTURE INSURANCE PROGRAM
A Specialized Program for Beekeepers

Offering All Forms of Insurance Including:
- USDA Apiculture
- Automobile
- Property
- Life Insurance
- General Liability
- Home & Farm Insurance

We are Proud Members & Sponsors of:
- American Beekeeping Federation
- American Honey Producers Association
- California State Beekeepers Association
- Florida State Beekeepers Association
- Michigan Commercial Beekeepers Association
- Minnesota Honey Producers Association
- Montana State Beekeepers Association
- North Dakota Beekeepers Association
- South Dakota Beekeepers Association
- Texas Beekeepers Association
- Tennessee State Beekeepers Association
- Washington State Beekeepers Association
- Wisconsin Honey Producers Association, Inc.

Kevin Rader: Buzzus@beekeepingins.com
www.beekeepingins.com
888-537-7088

Available Nationwide
Texas State Fair
Article by Dodie Stillman, VP TBA

“Mr. Wilmon Newell, State Entomologist, kindly loaned a most instructive exhibit and display, with mounted specimens, of the work and habits of the wax-moth.”

Over 100 years later in 2021, the State Fair of Texas is still going strong and so is the TBA Honey Booth! This year’s Honey Booth saw an observation hive with new LED lights and a QR Code Booklet to help visitors gain information about their local bee clubs. Best of all we were able to award everyone that was able to find the queen in our observation hive with a TBA Honey Bee stamp! Also new this year, we had a non-stop video that played in the booth to recognize our sponsors.

Over 5,000 brochures from the Americas Beekeeping Federation and the Texas Beekeepers Association were handed out to over 6,000 booth visitors, but with only half the normal amount of booth volunteers, everyone was on our toes answering question about honey and honey bees. As the fair progressed, the booth filled with bottles of Texas honey donated by more than 30 different beekeepers. The honey was donated to Happy Hill Farm in Granbury, TX after the conclusion of the Fair. At that time it was estimated that 2.2 million people enjoyed the state fair this year.

Consider joining the volunteers that help make this booth a success next year. There are several opportunities available from donating a jar of honey to helping with booth set up or tear down, to actually manning the booth and talking about bees all day. Look for the volunteer opportunities to be highlighted here in the Journal later this year. If you’d like to volunteer for next year, reach out to the Talberts here john.w.talbert@gmail.com or beekeeper1959@gmail.com

If you happen to see Skip or John Talbert, give them a special THANK YOU for all the work they put in each year to support the Honey Booth!!


According to an article published in the January, 1909 edition of Bee Culture, the Texas State Fair has had a long successful association with the TBA and Honey Bees.

“In spite of the short crop in Texas, the bee and honey department of the State Fair was a grand success. It was better and larger than at any previous fair, although the bee keepers in all parts of our State had long before disposed of their crops.”

Additional history recorded in the American Bee Journal from 1913 found these interesting quotes

“The State Fair of Texas, held annually at Dallas, and the Texas Cotton Palace of Waco have been very liberal in the encouragement given the bee-keeping industry. The making of premium lists has been referred to the Texas Bee-Keepers’ Association, and superintendents and judges chosen by the latter body have been recognized by the Fair Associations.”

“The exhibits have been truly representative of the bee-keeping industry of Texas. This year’s exhibit was the best that has been held. Mr. T. P. Robinson, of Bartlett, president of the Texas association, is Superintendent of the Bee and Honey Exhibit at the State Fair, and Mr. W. H. Laws, of Beeville, holds a like position at the Cotton Palace.”
2021 Texas Beekeepers Association Honey Booth. Honey that was donated by: Aggieland Honey, Barton Creek Honey, Bost Apiaries, Braden's Honey, BZB Farm, Crooked Creek Honey Farm, CS Apiaries, Don Schwertner, Eastside Honey Bee Management, Golden Blessings, Harvey Farms, Honey Oaks Farms, JL Honey Farm, Moore Honey, My Beez Honey, Oakley Family Apiaries, PachaMama Bees, Roo's Sweet Honey, Sabine Creek Honey Farm, Sally Bee Honey Co., STG Farms, Sunken Boot Honey, Susan Hastings/Mark White, Sweet Ass Honey, SweetNes Honey Beetique, Texas Honey Farms, Walker Honey Farm, WW B's

Texas Department of Agriculture Commissioner Sid Miller pre-opens the GO TEXAN Pavilion for VIPs of the State Fair of Texas, City of Dallas, Texas Agriculture, and Grocery Industry. Mr. Miller was greeted by TBA Booth volunteer and American Honey Princess, Virginia Allen.
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

Alamo Area Beekeepers Association
Rick Fink  - (210) 872-4569
president@alamobees.org
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
facebook.com/groups/AustinAreaBeekeeperAssociation
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
beesintheeast@att.net
Meetings: 4th Saturday of each month at 10am
Water Garden Gems, 3230 Bolton Road, Marion,

Bell/Coryell Beekeepers Association
Charles McMaster (703) 624-1337
bellcoryellbeecub@gmail.com
Meetings: 3rd Tuesday of each month (except December) at
Refuge Ministries, 2602 S. FM 116, Copperas Cove - 7pm

Big Country Beekeepers Association
Ken Hobbs - (325) 665-4045
paniolobee@icloud.com
Meetings: 3rd Tuesday of each month except December at 6:30pm
1502 South Treadway Blvd, Suite B
Abilene

Blanco County Beekeepers Association
Teri Albright - (512) 636-9900
blancocountybeekapers@gmail.com
Meetings: 3rd Thursday of each month at 6:30 pm
Blanco County Annex South, 402 Blanco Rd., Blanco

Brazoria County Beekeepers Association
Steve Brackmann - (832) 884-6141
stevenbrackmann@yahoo.com
bcba@brazoria-county-beekeepers-association.com
www.brazoria-county-beekapers-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
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
rwcwright7021@yahoo.com
Meetings: 2nd Monday of each month
Titus County Agrilife Ext. Bldg., 1708 Industrial Rd., Mount Pleasant
at 7 pm

Caprock Beekeepers Association
Victoria Watts - (806) 392-2355
mystique175@att.net
Meetings: 3rd Thursday of each month at 6:30 pm
Freeway Bible Chapel, 5507 Marsha Sharp Freeway, Lubbock 79407

Central Texas Beekeepers Association
Michael Kelling - (979) 277-0411
CentralTexasBeekeepers@gmail.com
www.centratexasebeekeepers.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 or chisholm-trail-beekapers@googlegroups.com
Meetings: Last Monday of each month
Burleson Bible Church, 260 South Hurst Road, Burleson

Collin County Hobby Beekeepers Assn.
John (Skip) Talbert (706) 761-7893
president@cchba.org
www.cchba.org
Meetings: 2nd Monday of each month at 6:30 pm
Collin College Conference Center, (Central Park Campus)
2400 CommunityDr., McKinney

Colorado County Beekeepers Association
David Behlen (832) 230-5740
colorado county beekeepers@gmail.com
Meetings: 2nd Thursday of each month at 6:00 pm
316 Spring Street, Columbus

Comal County Beekeepers Association
James Cobarruvias (210) 858-9011
jooharruesia@att.net
Meetings: 1st Thursday of each month
Beefy’s on the Green Restaurant, upstairs room
12910 US Hwy 281 N at 6:30 pm

Concho Valley Beekeepers Association
Rex Moody - (325) 650-6360
covbeeker@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
San Augustine Chamber of Commerse Building
611 West Columbia Dr., San Augustine
Denton County Beekeepers Association
Gary Barber - (972) 768-5505
board@dentonbees.com
www.dentonbees.com
Meetings: 2nd Tuesday of each month at 6:30 pm
Please see club website for location

Dino-Beekeepers Association
Chip Hough (817) 559-0564
dino-beeclub@hotmail.com
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
president@elginareaabeekkeepers.org
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
The VFW Hall, 3332 North Grand Ave, Gainesville

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
Long Acres Ranch Visitor Center, 2335 Richmond Plky, (then turn onto Circle Seven Dr.) Richmond TX 77469

Harris County Beekeepers Association
Jim Orr - (713) 213-7080
rjfarmandapiary@gmail.com
www.harriscountybeekeepers.org
Meetings: 4th Tuesday of each month at 7pm
Golden Acres Center, 5001 Oak Ave., Pasadena

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
Contact club to confirm meeting location

Henderson County Beekeepers Association
Kathi Murphy-Boley (972) 467-5902
kdbmurphy@gmail.com
Meetings: 3rd Thursday of the month at 6:00 pm
Faith Fellowship Church, 5330 Highway 175, Athens, TX 75762

Hill Country Beekeepers Association
Robin Sliva - (254) 205-0534
rs.plumleeplace@gmail.com
Meetings: 3rd Tuesday of the month at 6:30 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
Sandi Murray (713) 594-9273
info@houstonbeekeepers.org
www.houstonbeekeepers.org
Meetings: 2nd Tuesday of each month at 7:00 pm
5200 Montrose Blvd., Houston TX 77006

Houston Natural Beekeepers Association
Dean Cook
houstonnaturalbeekeepers@gmail.com
Meetings: Second Saturday of the month at 10 am
4466 Billy Street, Houston TX 77020

Johnson County Beekeepers Association
Bruce Watts, Jr. - (817) 992-2294
bruce.jr@sbglobal.net
Meetings: 2nd Tuesday of each month at 6:30 pm
2099 W FM 917, Joshua

Kaufman Area Beekeepers Association
John Guthrie - (214) 686-8585
kaufmanbeekeepers@gmail.com
Meetings: 2nd Tuesday of each month at 6:30 pm
Kaufman United Methodist Church, 208 S Houston St, Kaufman

Lamar County Beekeepers Association
Randall Childress - (903) 249-9105
lamarcoba@gmail.com
Meetings: 1st Thursday of the month at 6:30 pm
Lamar County Fairgrounds, Bldg B, 570 E Center St., Paris

Longview Beekeepers Association
Myra Smith (903) 639-2910
Meetings: 1st Tuesday of each month at 6 pm
Texas Agrilife Extension Office, 405 E Marshall St., Longview
Marshall Beekeeping Association
Beth Derr - (936) 591-2399
marshallbeekeping@gmail.com
Meetings: 2nd Thursday of each month at 5:30 pm
Cumberland Presbyterian Church, 501 Indian Springs Dr., Marshall

Montgomery County Beekeepers Assn.
Andy Knight - (281) 305-4072
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

Northeast Texas Beekeepers Association
Rebecca Vaughan - (972) 841-3751
contactnetba@gmail.com
netbacantontexas@outlook.com
Meetings: 2nd Monday of each month at 6:00 pm
Canton Baptist Church, 303 South Athens St., 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

Pinewoods Beekeepers Association
Terry McFall - (409) 289-7387
tdmcfall@hotmail.com
Meetings: 3rd Thursday of each month at 6:30 pm
Lufkin/Angelina County Chamber of Commerce
1615 S Chestnut St. Lufkin (just off Loop 287)

Red River Valley Beekeepers Assn.
Larry Roderick (940) 237-2814
roderickwaterwells@gmail.com
Meetings: 3rd Tuesday of each month (except December) at 7 pm
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
Gay Fraser (512) 264-2021
smabewranglers@gmail.com
Meetings: 2nd Thursday of the month 7:00 pm - 9:15 pm
Extra Meetings: 4th Thursday of the month, March, April, May 7:00pm
Pecan Park Riverside RV Park, 50 Squirrel Run, San Marcos

Temple Area Beekeepers Association
Jim Billings (254) 760-2053
bolly21351@aol.com
Meetings: 2nd Thursday of each month at 7pm
Troy Community Center, 201 East Main Street, Troy

Texarkana Beekeepers Association
Sarah Clinesmith - (903) 277-2145
sarahaddie@aol.com
Meetings: 3rd Monday of each month at 6pm
Texarkana Public Library, 600 W 3rd St Texarkana

Texas Hill Country Beekeepers Association
Linda Williams - (830) 688-0560
texashillcountrybeekeepers@gmail.com
facebook.com/TXHillCountryBKAssn/
Meetings: 4th Tuesday of odd months at 6:30 pm
Hill Country Veterans Center, 411 Meadow View lane, Kerrville TX 78028

Travis County Beekeepers Association
Tanya Phillips - (512) 560-3732
traviscountybeekeepers@gmail.com
www.TravisCountyBeekeepers.org
https://www.facebook.com/groups/TravisBeeks/
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
San’s Restaurant, Fairfield, TX

Tyler County Bee Club
Scott Martin - (409) 283-4507
tcbclub16@gmail.com
Meetings: 4th Tuesday of each month at 6 pm
Nutrition Center, 201 Veterans Way, Woodville

Walker County Area Beekeepers Assn.
Larry Fuchs - (936) 661-0633
walkercountybeekeepers@gmail.com
Meetings: Last Thursday of each month at 7 pm (not Nov or Dec)
WALKER EDUCATION CENTER, 1402 19TH ST., HUNTSVILLE

Williamson County Area Beekeepers Assn.
Gillian Mattinson - (512) 961-9955
gillmatties@gmail.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@wisetexasbeecub.org
Meetings: First Thursday of the month at 6pm
Public Library, Bridgeport

Wood County Beekeepers Association
Bill Zimmer - (469) 222-3901
woodcountybeekeepers@gmail.com
Meetings: First Tuesday of every month at 7 pm
Winnsboro Civic Center, Hope Ln, Winnsboro
Directors -at-Large

**Area 1**

Charles McMaster  
mcmasterc@gmail.com  
2204 Oak Hill Dr  
Copperas Cove TX 76522  
(760) 624-1337

**Area 2**

Jimmy Middlebrooks  
jimmymiddlebrooks@gmail.com  
138 PR 3759  
Kilgore TX 75662  
(903) 987-0420

**Area 3**

Gary Barber  
garybarber@mac.com  
1709 Westchester  
Denton TX 76201  
(972) 768-5505

**Area 4**

Byron Compton  
sct.n.tx@gmail.com  
PO Box 563, 116 Blair Road  
Sadler TX 76264  
(201) 262-1862

**Area 5**

Monica Siwiak  
monicasiwiak@gmail.com  
7023 Wheaton Hill Lane  
Richmond, TX 77407  
(281) 627-7700

**Area 6**

Natalie Biggie  
beemindfulhoneyfarms@gmail.com  
7606 Wildwood Circle  
Austin TX 78737  
(512) 699-0605
# TBA Officers-2020

<table>
<thead>
<tr>
<th>Role</th>
<th>Name</th>
<th>Email</th>
<th>Address</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>President</td>
<td>Ashley Ralph</td>
<td><a href="mailto:ashley@primebees.com">ashley@primebees.com</a></td>
<td>3605 Midwest Drive</td>
<td>(979) 777-2529</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Bryan, TX 77802</td>
<td></td>
</tr>
<tr>
<td>Vice-President</td>
<td>Dodie Stillman</td>
<td><a href="mailto:stillmandodie@gmail.com">stillmandodie@gmail.com</a></td>
<td>1602 Blanchard Dr</td>
<td>(512) 560-7550</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Round Rock, TX 78681</td>
<td></td>
</tr>
<tr>
<td>Past President</td>
<td>Blake Shook</td>
<td><a href="mailto:blake@desertcreekhoney.com">blake@desertcreekhoney.com</a></td>
<td>575 County Road 5010</td>
<td>(214) 886-6899</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Blue Ridge, TX 75424</td>
<td></td>
</tr>
<tr>
<td>Executive Secretary</td>
<td>Leesa Hyder</td>
<td><a href="mailto:execsec@texasbeekeepers.org">execsec@texasbeekeepers.org</a></td>
<td>82 Sandpebble Drive</td>
<td>(281) 460-0344</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>The Woodlands, TX 77381</td>
<td></td>
</tr>
<tr>
<td>Publications Director</td>
<td>Chris Doggett</td>
<td><a href="mailto:ckdoggett@gmail.com">ckdoggett@gmail.com</a></td>
<td>400 County Road 440</td>
<td>(512) 914-2794</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Thrall, TX 76578</td>
<td></td>
</tr>
<tr>
<td>Membership Director</td>
<td>Shirley Doggett</td>
<td><a href="mailto:sdoggett@mindspring.com">sdoggett@mindspring.com</a></td>
<td>400 County Road 440</td>
<td>(512) 924-5051</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Thrall, TX 76578</td>
<td></td>
</tr>
</tbody>
</table>

*Picture from Kirk Kirksey*