



2021 ESA – Southwestern Branch Final Business Meeting

June 29, 2021

Wyatt Hoback, President

2021 SWB Virtual Meeting Update

- 2021 Meeting
 - 25 student competition oral presentations; 11 student competition posters
 - 6 regular oral presentations; 2 regular posters
 - 0 symposia
- Joint meeting with the North Central Branch postponed to 2023 – Skirvin Hotel, Oklahoma City



Special Thank You to...

Program Committee Chair

- Sonja Swiger, Texas A&M AgriLife



Student Competition Chair

- Joni Blount, Bayer U.S. – Crop Science



Special Thank You to...

ESA Staff

Becky Anthony & Rosina Romano



Sponsors

- Platinum level (\$1000)



- Gold level (\$500)



- Silver level (\$300)



- Bronze (\$150)



A Special Thank You to....

- **SWB 2021 Executive Committee**

- Wizzie Brown – Vice President
- Bob Davis – Treasurer
- Scott Ludwig – Secretary
- Juliana Rangel – Secretary Elect
- Molly Keck – Past President
- Jesus Esquivel – Governing Board Representative
- Katherine Arnold – Student Affairs Committee



Secretary's Report Committee Reports

Scott Ludwig, Secretary

In Memoriam Report

- ***Dr. Perry Adkisson*** of College Station, Texas died on June 25, 2020, at the age of 91.
- ***Dr. Billy H. Daughdrill*** of Pensacola, Florida, died on June 11, 2020 at the age of 92.
- ***Mr. George T. “Ted” Davis*** of Farmers Branch, Texas, died on May 11, 2020 at the age of 94.
- ***Dr. Shoil “Shasha” Greenberg*** of Carmel, Indiana, died on July 30, 2020 at the age of 82.
- ***Mr. Paul Gould*** of Webbers Falls, Oklahoma, died on July 10, 2020, at the age of 62.
- ***Mr. Patrick E. Resley*** of San Diego, California, died on January 19, 2020 at the age of 83.
- ***Dr. Dennis R. Ring*** of Bastrop, Texas died on May 4, 2020 at the age of 67.
- ***Dr. Joseph C. Schaffner*** of Bryan, Texas died on January 9, 2020 at the age of 89.
- ***Mr. James W. “Bill” Summerlin*** of Bryan, Texas died on January 8, 2020 at the age of 89.
- ***Dr. John G. Thomas*** of Bryan, Texas, died on August 5, 2020 at the age of 83.
- ***Mr. James “Knox” Walker, Jr.*** of Bryan, Texas, died on May 2, 2020 at the age of 92.

Please join me in a moment of silence and respect for our fallen colleagues





Treasurer's Report

2021 ESA-SWB Virtual Meeting

Respectfully submitted: 6/29/2021

Dr. Bob Davis BCE, BASF Professional & Specialty Solutions

ESA-SWB Treasurer (2020-2022).

Office of SWB Treasurer

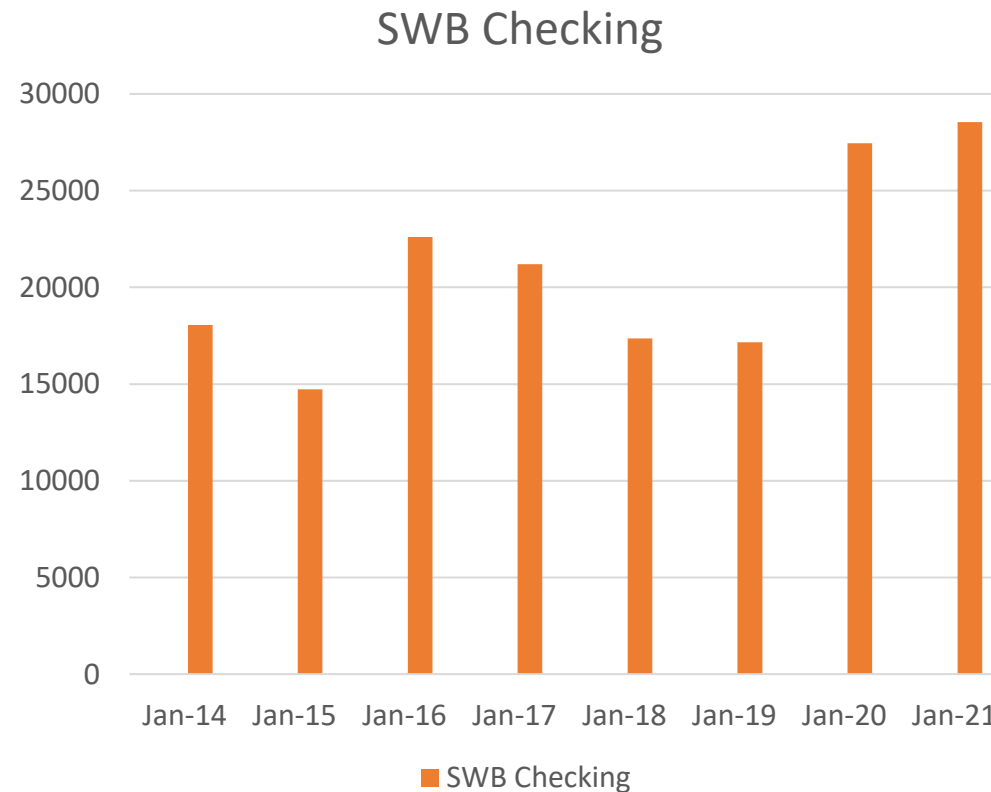
- 1. SWB Treasurer is a voting member of the SWB Executive Committee
- 2. SWB Treasurer: 3 year term, not included in the traveling track to the presidency
 - Next Treasurer to be elected for office to support 2023-2025 SWB meetings (Treasurer-elect, next election cycle)
- 3. Below from revised version of the SWB Constitution
- *It shall be the duty of the Treasurer to make the necessary financial arrangements, as directed by the President, for the Annual Meeting of the Branch. The Treasurer shall collect all monies due; pay all bills incurred by the Branch and perform such duties as may be assigned. The Treasurer's account shall be audited bi-annually by the Audit Committee. In the absence of the Treasurer, the Treasurer-Elect shall assume the duties of the Treasurer.*

- From ESA HQ documents
 - Treasurer (with assistance from the President) – Develop the Branch budget annually.
 - Treasurer – Pay all Branch expenses approved in the annual budget.
 - Treasurer – Maintain accurate and detailed records of Branch finances.
 - Treasurer – Review and sign new Branch meeting contracts.
- SWB Treasurer liaisons with ESA HQ Treasurer and supplies branch financial statements for tax purposes.



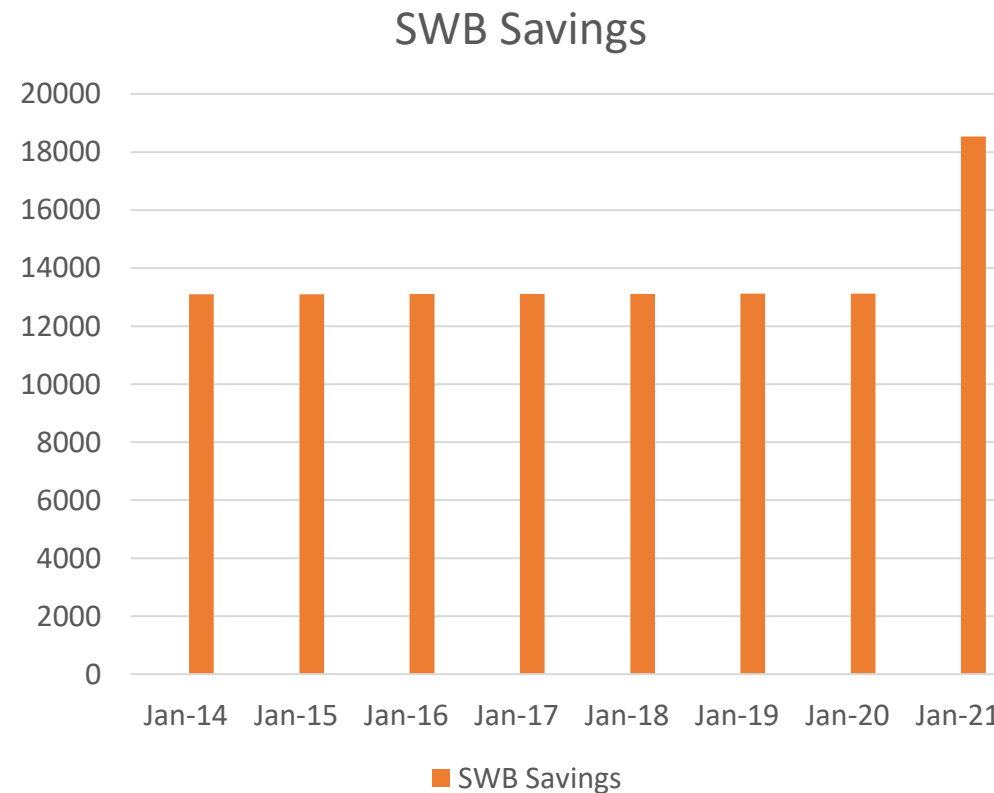
Financial Health of the SWB

- Checking account:
- 1/28/2014: \$18,054.06
- 1/28/2015: \$14,732.77
- 1/28/2016: \$22,598.07
- 1/28/2017: \$21,196.68
- 1/27/2018: \$17,360.96
- 1/27/2019: \$17,157.92
- 1/28/2020: \$27,451.77
- 1/28/2021: \$28,550.97



Financial Health of the SWB

- Savings account (0.03%):
- 1/28/2014: \$13,100.12
- 1/28/2015: \$13,104.05
- 1/28/2016: \$13,107.99
- 1/28/2017: \$13,111.44
- 1/27/2018: \$13,115.37
- 1/27/2019: \$13,119.31
- 1/28/2020: \$13,123.24
- 1/28/2021: \$18,543.02*

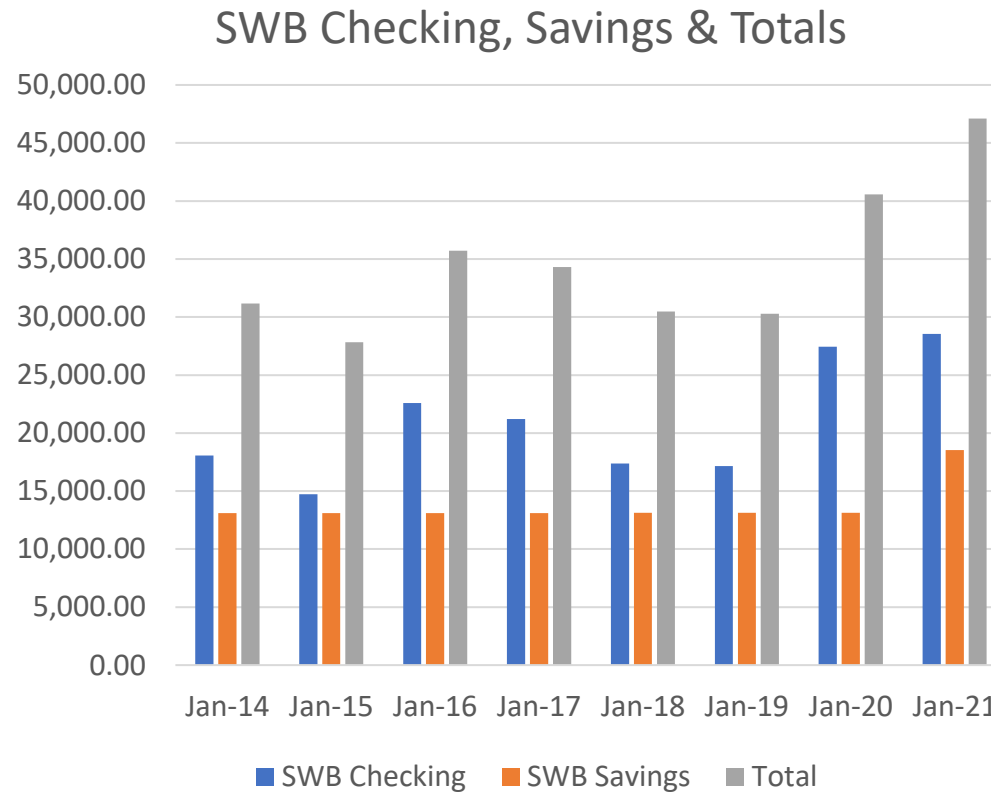


*2020 EOY includes 11/2020 deposit of \$5,418.13 "Meeting Insurance Payout"



Financial Health of the SWB

- Totals:
- 1/28/2014: \$31,154.18
- 1/28/2015: \$27,836.82
- 1/28/2016: \$35,706.06
- 1/28/2017: \$34,308.12
- 1/28/2018: \$30,476.33
- 1/28/2019: \$30,277.23
- 1/28/2020: \$40,575.01
- 1/28/2021: \$47,093.99



2020-2021 SWB Treasurers Report

Savings Account ending in 4086		Net Actual
Balance on 9/25/2020 (last GB report)		\$13,124.47
deposit from ESA HQ (Insurance Payment - Cancelled meeting)		\$5,418.13
Interest income (from 10/1/2020 - 5/26/2021)		\$1.03
	Total Available	\$18,543.63

Total Cash		
Checking account on 5/26/2021		\$29,400.97
Savings Account on 5/26/2021		\$18,543.63
	SWB Resources Available	\$47,944.60

Wells Fargo Savings Account



2020-2021 SWB Treasurers Report

SWB Resources Available \$47,944.60

Expected Income June 2021	
1. BASF Sponsor check:	\$300.00
2. AAMVAC Sponsor check:	\$500.00
3. ABC Home & Commercial Services Sponsor check:	\$500.00
4. BWI Sponsor check:	\$250.00
5. Corteva Sponsor check	\$3,000.00
6. ESA Program Enhancement Funds	\$1,998.00
	\$6,548.00 Total
Expected total post income	\$54,492.60

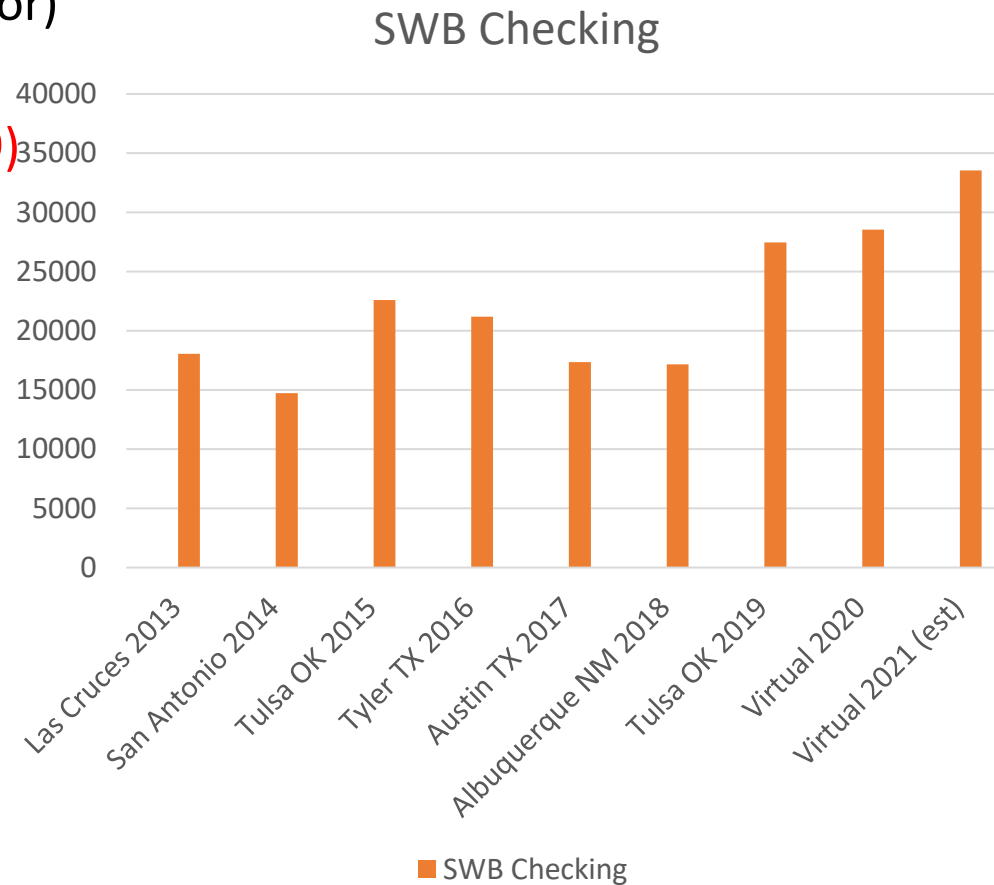
Expected Expenses June 2021			
1. Awards	\$ each	#	\$ Total
a. Ph.D paper presentations	\$200.00	2	\$400.00
	\$100.00	2	\$200.00
	\$50.00	2	\$100.00
b. Masters paper presentations	\$200.00	1	\$200.00
	\$100.00	1	\$100.00
	\$50.00	1	\$50.00
c. Undergraduate paper presentations	\$200.00	1	\$200.00
	\$100.00	1	\$100.00
	\$50.00	1	\$50.00
d. Graduate posters	\$200.00	1	\$200.00
	\$100.00	1	\$100.00
	\$50.00	1	\$50.00
e. Undergraduate posters	\$200.00	1	\$200.00
	\$100.00	1	\$100.00
	\$50.00	1	\$50.00
f. Undergraduate Award	\$50.00	1	\$50.00
g. Entomology Games Travel Award	\$2,000.00	1	\$2,000.00
h. Comstock Award	\$100.00	1	\$100.00
i. Early Career Professional Award	\$500.00	1	\$500.00
g. Entomology Games Plaque	\$65.00	1	\$65.00
			\$4,815.00
			\$2,407.50 ESA-SWB 1/2 of total
			\$2,407.50 SSWE 1/2 of total
h. Percival Undergraduate Award			\$350.00 (supported by Percival, check sent to ESA-SWB)
			\$2,757.50 Estimated Expenses for ESA-SWB through 2021 SWB Annual Meeting
			\$51,735.10
Estimated Resources Post 2021 Meeting			\$51,735.10

Wells Fargo Savings & Checking Accounts Totals



Financial Health of the SWB

- Meeting locales (difference from meeting prior)
- 2013: Las Cruces, NM – (ref = \$16,624.86)
- 2014: San Antonio, TX – 14,023.27(-\$2601.59)
- 2015: Tulsa, OK – (\$6434.80)
- 2016: Tyler, TX – (\$2738.61)
- 2017: Austin, TX – (\$4835.72)
- 2018: Albuquerque, NM – (\$1203.04)
- 2019: Tulsa, OK – (\$9293.85)
- 2020: Virtual – (\$1099.92)+(\$5418.13 insurance)
- 2021: Virtual – *Estimate*: (\$4990.50)



Summary

- Exec Committee & ESA-HQ revise the SWB Constitution and SOP's to reflect Treasurer, Treasurer-elect & Secretary positions
- ESA-SWB is financially healthy
- Finalize finances for 2021 virtual meeting
- Prepare materials for audit committee review after SWB 2021 meeting
- Prepare financial materials for SWB Presidents' GB report for fall 2021
- Prepare for 2022 meeting in Fort Worth!



Audit Committee

- On June 2, 2021, Dr. Bob Davis, the treasurer for the SW Branch sent all banking records to include checking, savings, invoices, and receipts from donations for the Southwestern Branch Entomological Society of America to the audit committee for review. The records covered the period from Sept 25, 2020 to June 6, 2021. Bob is to be commended for sending such detailed records. All records were inspected by the audit committee and found to be in order. At the time of this audit of June 6 2021, the SW Branch had \$29,400.97 in the checking account, and \$18,543.63 in the savings account. Our SW Branch Society has been in good standing financially and is up-to -date through June, 2021.
- Respectfully submitted from the audit committee:
 - J. Scott Armstrong
 - Micky Eubanks
 - Bruce Noden



Motion to Accept Reports?

Entomology Games – 2021

- Four teams Competed in the Entomology Games yesterday.
 - Oklahoma State Team #1
 - Oklahoma State Team #2
 - Texas A&M Team #1
 - Texas A&M Team #2
- Format was four rounds with 10 question each round
- One point awarded for each correct answer

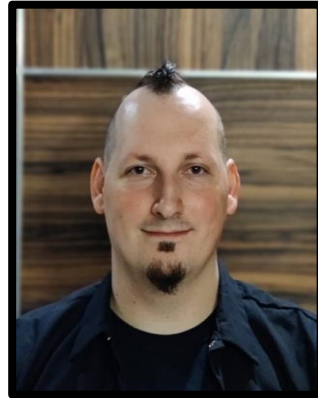


Entomology Games – 2021

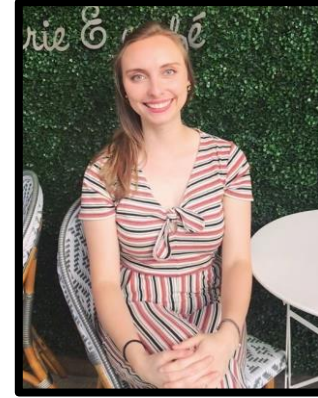
First Place: Texas A&M University Team #1



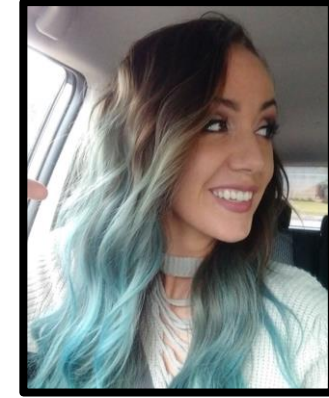
Team Captain
Joanie King



Team Member
Fabian List



Team Member
Jaclyn Martin



Team Member
Amy Dickerson



Entomology Games – 2021

Second Place: Oklahoma State University Team #1



Team Captain
Melissa Reed



Team Member
Alex Harman



Team Member
Justin Turner



Team Member
Carrie Pratt



Team Alternate
Brandon Lyons



Awards Committee

Student Awards

- Undergraduate Student Achievement Award in Entomology
- Winner: Laura Marmolejo
- Texas A&M University



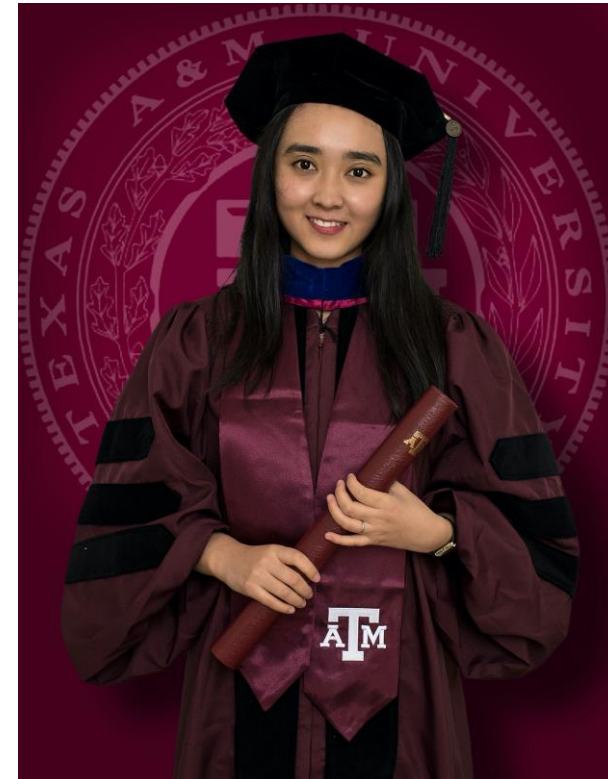
Student Awards

- Percival Scientific Undergraduate Entomology Student Activity Award
- Winner: Mary Beth Buchman
- Texas A&M University



Student Awards

- SWB Henry Comstock Graduate Student Award
- Winner: Caixing Xiong
- Texas A&M University



Early Career Professional Award

- Southwestern Branch Excellence in Early Career Award
- Winner: Dr. Santos Portugal
- ABC Home & Commercial Services



Professional Awards

- ESA Distinguished Achievement Award in Teaching
- Winner: Dr. Hojun Song
- Texas A&M University



Professional Awards

- Award for Excellence in Extension
- Winner: Dr. David Kerns
- Texas A&M University



Professional Awards

- Award for Excellence in Integrated Pest Management
- Winner: Dr. Megha Parajulee
- Texas A&M University



Student Paper and Poster Winners



Undergraduate Poster Session

Third Place

Bees in the big city

Alyson Haynes

University of Texas at San Antonio



Undergraduate Poster Session

Second Place

Using community science to gauge the floral preferences of native and introduced bee species

Ainsley Koch

University of Texas at San Antonio



Undergraduate Poster Session

First Place

Physiological responses of sorghum to
sugarcane aphid feeding

Juan Raya Vaca

University of Texas Rio Grande Valley



Masters & Ph.D. Poster Third Place

**Plant resistance in a different light: LED lighting
changes sorghum resistance to sugarcane aphids**

Camille Carey

Oklahoma State University



Masters & Ph.D. Poster Second Place

Characterization of microbial communities of phoretic mites associated with the American burying beetle (*Nicrophorus americanus*)

Carrie Pratt

Oklahoma State University



Masters & Ph.D. Poster First Place

New state records for the poorly known *Melanoplus macclungi* and notes on its life history

Alexander Harman

Oklahoma State University



Undergraduate Oral Session

Third Place

The attenuation of belowground indirect plant defenses following sustained herbivory by *Acalymma vittatum*

Emma Manuel
Texas A&M University



Undergraduate Oral Session

Second Place

**Risk of encounter, seasonal activity, and prevalence of
Ixodid ticks at Arcadia Lake, Oklahoma, 2020-2021**

Linda Wolff

University of Oklahoma



Undergraduate Oral Session

First Place

Herbivore-induced suppression of defenses in
neighboring squash plants (*Cucurbita pepo*)

Laura Marmolejo

Texas A&M University



Masters Oral Third Place

***Nicrophorus americanus* and *Nicrophorus orbicollis*
(Coleoptera: Silphidae) overwintering survivability**

Sandra Rigsby

Oklahoma State University



Masters Oral Second Place

Anthocyanins negates fall army worm (*Spodoptera frugiperda*) damage in green and purple cabbage crop

Ishveen Kaur

University of Texas Rio Grande Valley



Masters Oral First Place

Olfactory cues from entomopathogenic nematodes vary across species with different foraging strategies, triggering different behavioral responses in prey and competitors

John Grunseich

Texas A&M University



Ph.D. Oral - Session 1

Third Place

Determining the mechanism of honey bee (*Apis mellifera*) self-removal behavior as a potential social immune response

Jordan Twombly Ellis
Texas A&M University



Ph.D. Oral - Session 1

Second Place

A place for plastic: Inexpensive aquatic invertebrate sampling devices from soda bottles

Melissa Reed

Oklahoma State University



Ph.D. Oral - Session 1

First Place

The root cause: Below ground herbivory repels above ground foraging herbivores

Morgan Thompson

Texas A&M University



Ph.D. Oral - Session 2

Third Place

Improving honey bee tolerance to *Nosema* infection by optimizing macronutrients within artificial diets

Alexandria Payne
Texas A&M University



Ph.D. Oral - Session 2

Second Place

**Surveillance of co-occurring kdr mutations (V1016I, F1534C)
in populations of *Aedes aegypti* (L.) exposed to
Permanone[®] application in field cage tests from Harris
County, Texas**



Jonathan Hernandez
Texas A&M University



Ph.D. Oral - Session 2

First Place

Bridgehead effect and multiple introductions shape the global invasion history of the termite *Coptotermes formosanus*

Alexander Blumenfeld
Texas A&M University



A man with a beard and short hair, wearing a blue button-down shirt and a patterned tie, is smiling and looking towards the camera. He is standing in front of a brick building with several windows. The background is slightly blurred.

Thank you, Wyatt!



FORT WORTH

CITY OF COWBOYS AND CULTURE

2022 Southwestern Branch
Meeting IN PERSON!!

April 18-20, 2022





Radisson Hotel, Fossil Creek

- Complimentary shuttle
- On site restaurant & night club



Fort Worth Attractions

- Stockyards National Historic District
 - Take a historical walking tour through the Texas Trail of Fame, try your gun-slinging skills at the Stockyards Gunfighter virtual shooting range, or watch the cowboys drive their herd down Exchange Avenue.

Fort Worth Attractions

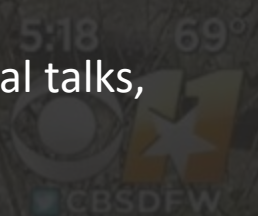
- Sundance Square
 - Balancing historic architecture and modern convenience, this 35-block district in downtown Fort Worth is a mecca for shopping, dining, and entertainment.





Fort Worth Attractions

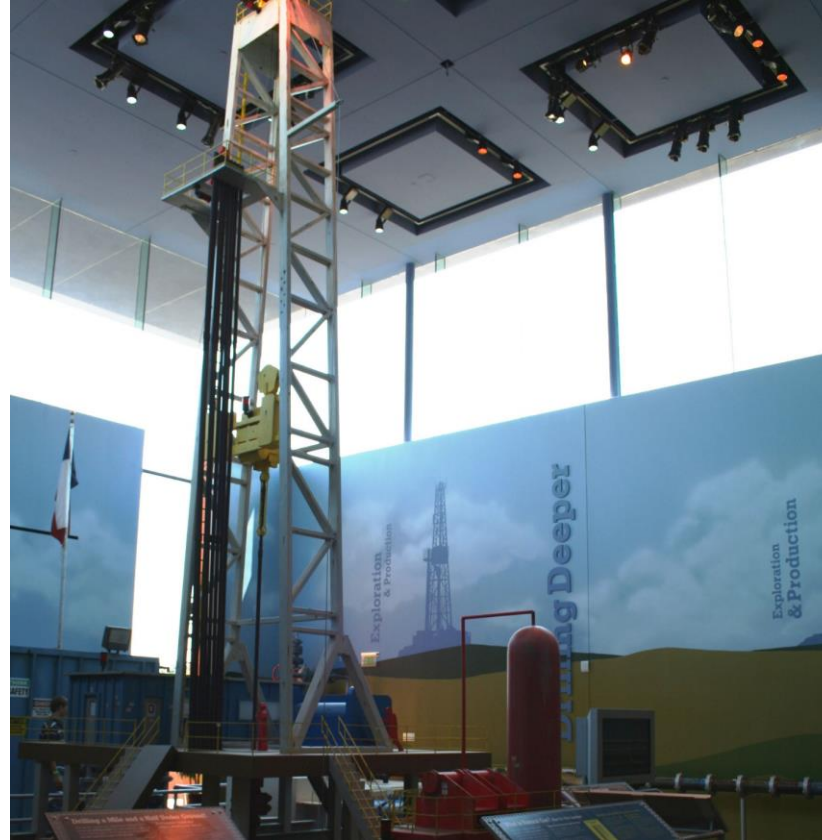
- Fort Worth Zoo
 - This popular zoo features more than 7,000 animals, including orangutans, tigers, hippopotamuses, and rhinos. Head to the Outdoor Learning Theater for educational talks, and stop by the Texas Wild! Petting Corral for a chance to touch a snake.



The background image shows a scenic view of Six Flags Over Texas. In the foreground, there is a calm lake reflecting the sky, surrounded by lush green grass and trees. In the middle ground, a large roller coaster with a prominent loop and drop is visible, along with other amusement park structures. The sky is clear and blue. An orange horizontal bar is located in the top left corner of the image.

Fort Worth Attractions

- Six Flags Over Texas
 - Add some thrills to your day with the heart-pumping roller coasters and water rides at Six Flags. The park also offers kids' coasters, family-friendly entertainment, restaurants, and shopping opportunities.



Fort Worth Attractions

- Fort Worth Museum of Science and History
 - At this museum, you can explore the wonders of the universe at the planetarium, get close to a giant dinosaur skeleton, or see a film on topics such as real-life cowgirls at the IMAX theater.

Fort Worth Attractions

- Texas Cowboy Hall of Fame
 - The museum is located in the Exhibits Building in the heart of the Fort Worth Stockyards National Historic District. The facility features many great exhibits, along with a Western Gift Store and the Jersey Lilly Old-Tyme Photo Parlor all under one roof.



Fort Worth Attractions

- National Cowgirl Museum
 - The world's only cowgirl museum honors the women who helped shape the West, from rodeo stars and sharpshooters to humanitarians and writers.





Fort Worth Attractions

- Billy Bob's Texas
 - An iconic venue that plays host to plenty of different country and classic rock stars. This unique venue is a must-see and has a little bit of something for everyone.