



# NORTH TEXAS SECTION OF THE WATER ENVIRONMENT ASSOCIATION OF TEXAS

Volume 30, Number 5

March 2018 Newsletter

## March, 2018 Dinner Meeting

**Date:** Thursday, March 15, 2018

**Location:** Cowboys Golf Club, 1600 Fairway Drive, Grapevine, TX 76051

**Time:** Social Hour 5:30-6:30;  
Dinner & Presentation 6:30-8:00

**Two-part presentation:** (1) "What are PolymerConcrete Manholes and How are They Used?" and (2) "Designing Projects, the Engineer's Side of Using Polymer Concrete Manholes"

**Presenter:** Anthony Bussio, Armorock, LLC & Dean Vrla, P.E., Garver

[Click here](#) to register

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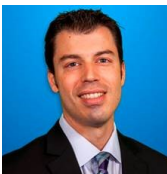
## LEADERSHIP MESSAGE

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Dear WEAT North Texas Section:

The winter is wrapping up and spring is upon us. Don't forget to spring forward on March 11<sup>th</sup>. We will be having our lunch meeting at Cowboys Golf Club in Grapevine, Texas on March 15<sup>th</sup>, 2018. The following day will be our annual Sporting Clays event, to be held at Elm Fork this year. This is always an exciting start to the Spring for WEAT-NTS and we have some exciting prizes this year. The February Seminar was a hit this year. I would like to thank Lance Klement and the February Seminar planning committee for developing a great program and excellent speakers. I would also like to thank the sponsors for supporting the February seminar, as well. I know this time of year gets busy, especially with Texas Water coming up in April, so don't forget to support our North Texas Section operations challenge teams. I would also like to remind everyone that we are currently accepting nominations for the executive committee members. For more details please e-mail Eva Gorgi ([eva.gorgi@dallascityhall.com](mailto:eva.gorgi@dallascityhall.com)) and Brigit Buff ([brigitbuff@gmail.com](mailto:brigitbuff@gmail.com)). I look forward to a great Spring 2018 and to seeing all of our members at the upcoming events.

**Matt Jalbert**  
WEAT-NTS President



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# TREASURER'S REPORT

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1. **Current Balances:**

- **Checking:** \$66,152.04
- **Investment Account:** \$378,623 (as of March 29th, 2018)

2. **Major Spring Expenditures:**

- Spring semester scholarship checks
- Transfer of funds from the checking account to the managed scholarship investment account
- WEAT Sporting Clays Tournament
- Creek cleanup
- Texas Water Operation's Challenge Sponsorship

3. The 2016-2017 fiscal year financial summary was presented at the January meeting. If you couldn't make the meeting or have additional questions, please don't hesitate to contact me at [gdsobser@lan-inc.com](mailto:gdsobser@lan-inc.com). Remember, your participation in WEAT NTS events is what allows us to keep writing checks and continue making a big impact in working together to meet the needs of our members for professional growth and development, educating the public on water environment issues and protecting and enhancing the water environment. Keep up the good work!

Revenue (Including Classic Sponsor Allocation)	\$3,537
Expenses	\$2,876
Net Proceeds	\$660
Approximate Actual Attendance	95
Preregistered	103
Prepaid No-Shows	18
Walk-Ins	10
RSVP / Unpaid No-Shows	0
Guaranteed / Paid Meals	110

For more information contact Grace Sober [gdsobser@lan-inc.com](mailto:gdsobser@lan-inc.com)



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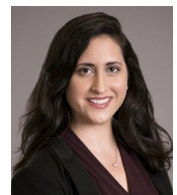
## UNIVERSITY CORNER

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### 2018 WEAT Student Design Competition

Come support LeTourneau University, Louisiana State University, Southern Methodist University, Tarleton State University, Texas A&M, and Texas Tech at the 2018 WEAT Student Design Competition at Texas Water on Tuesday, April 24th from 8:30 - 11:30 am! Results and awards will be presented at the YP and Student Reception at 5:00 pm that evening.

For more information contact Allison Blake [Allison.Blake@freese.com](mailto:Allison.Blake@freese.com)



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# FEBRUARY 2018 SEMINAR

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The 2018 February Seminar was another success! The event was held at CityPlace Events in Dallas, Texas on February 13<sup>th</sup>. The theme of the all-day program was “The Past, Present, and Future of Wastewater”. We had many excellent speakers presenting on topics including collection systems, process controls, BIM modeling, clarification alternatives, master planning, incorporating a city-wide asset management program, and engaging future engineers into our profession. Many thanks to our 30 sponsors for the event, along with the attendees (over 130!) . The proceeds will benefit WEAT NTS’ scholarship program. A big thank you to the committee members including Noel Pattengale, Scott Hardy, John Zwerneman, and Jared Schmerse. We look forward to seeing you all again next year!



For more information contact Lance Klement [LPKlement@GarverUSA.com](mailto:LPKlement@GarverUSA.com)

# WEAT-NTS & WEF 2017-2018 EVENTS

Date	Event	Location (*Tentative)	Topic/Speaker (or contact person)
3/15/18	WEAT-NTS Dinner Meeting	Cowboys Golf Club, Grapevine	Two-part presentation: (1) "What are Polymer Concrete Manholes and How are They Used?" and (2) "Designing Projects, the Engineer's Side of Using Polymer Concrete Manholes"  Anthony Bussio, Armorock, LLC & Dean Vrla, P.E., Garver
3/16/18	2018 Sporting Clays Event	Elm Fork Shooting Sports	Heather Wootton
4/23-26/18	Texas Water 2018	San Antonio, Texas	www.weat.org
5/17/18	WEAT-NTS Dinner Meeting	Texas Star Conference Center	"Getting Back in the River, Instream & Environmental Flows in the Trinity River Basin"  Webster Mangham, Environmental Services Manager for the Trinity River Authority of Texas
9/14/18	2018 Daryl Hall Golf Tournament	River Chase	Brandt Miller

## INTERESTED IN MENTORING/EDUCATING?

Are you interested in educating college students about our industry? Contact Allison Blake at [Allison.Blake@freese.com](mailto:Allison.Blake@freese.com) to speak at Universities and Colleges around the state!

It's Easy to Join Our Mailing List...

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Text [WEATNTS](tel:22828) to [22828](tel:22828) to get started!

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# WEAT-NTS 2017 - 2018 OFFICERS & COMMITTEE CHAIRS



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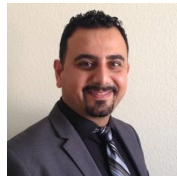
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# FUTURE CITIES COMPETITION

WEAT-NTS sponsored a Special Award for the Future Cities Competition on the morning of January 27<sup>th</sup> hosted at UTA. The name of our award was “Excellence in Water/Wastewater Engineering”. We selected the “Century City” as our first place winner, and the “Whitwater Valley” as our 2<sup>nd</sup> place winner. Interestingly, our 2<sup>nd</sup> place winner ended up winning first place for the entire competition. Thank you to all of our volunteers, and Kevin Adame for the photos!



WEAT NT Excellence in Water Wastewater Engineering Century City



FCC 1st Century City



FCC 2nd Whitwater Valley

## FORT WORTH AND DALLAS REGION SCIENCE AND ENGINEERING FAIRS

Volunteers for the Fort Worth and Dallas Region Science and Engineering Fairs judged water related projects prepared by middle and high schoolers and awarded the top three projects in each division. Senior level participants also were judged for the opportunity to participate in the National Stockholm Junior Water Prize competition which focuses on water and environmental projects. Winners of the National SJWP then advance to the international competition in Stockholm, Sweden. Each student listed below was awarded cash money, a WEAT/TAWWA certificate, an invitation to submit their project to SJWP, and an invitation to attend WEAT’s May 2018 dinner meeting to show off their project to WEAT members.

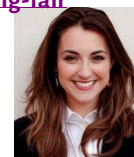
The Fort Worth Regional Science and Engineering Fair (FWRSEF) was held February 17, 2018 at UTA College Park Center. Thank you to all our volunteers that spent their Saturday morning judging the WEAT/TAWWA Special Award. Volunteers were: Amy Robinson (CDM Smith), Haley Salzwedel (CDM Smith), Carlos Garcia (Halff & Assoc.), Joey Dunnigan (Brewer Attorneys), Martha Dodgen (City of Arlington), Bill Gase (City of Garland), Paula Monaco (Alan Plummer Assoc.).

The Dallas Regional Science and Engineering Fair (DRSEF) was held February 24, 2018 at Fair Park. Thank you to all our volunteers that spent their Saturday morning judging the WEAT/TAWWA Special Award. Thank you Allison Blake (Freese and Nichols), Luke Ocampo (CDM Smith), Bill Gase (City of Garland), John Erickson (Hazen and Sawyer), April Allen (City of Dallas), Chris Haeckler (HDR), Ryan Priest (Hazen and Sawyer), Aaron Tom, and Suparna Mukhopadhyay (CDM Smith) and our fearless leader, Andrea Fernandez (CDM Smith)! We hope you enjoyed spending some time with fellow water professionals and enjoyed listening to the questions and ideas the kids presented. Interestingly, our 1st place Junior Division Winner was featured in the Dallas Morning News, along with a cropped photo of some of our judges, John and Chris!

<https://www.dallasnews.com/news/education/2018/02/24/winners-2017-18-dallas-regional-science-engineering-fair>

Continued on next page.

For more information contact Elle Frier (Hollbrook) [eholbrook@cpyi.com](mailto:eholbrook@cpyi.com)



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# FORT WORTH AND DALLAS REGION SCIENCE AND ENGINEERING FAIRS, (CONTINUED)

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Dallas WEAT Special Awards Judges 2018

### Fort Worth Senior Division Winners

**1<sup>st</sup> Place** – Kesavan Srivilliputhur; Project Title: Mechanisms of Rare Gas Diffusion Through Graphene Using First Principles Simulation

**2<sup>nd</sup> Place** – Jayaker Kolli; Project Title: Clear as Mud: The Efficiency of Flocculation on Water Extraction and Microbial Fuel

**3<sup>rd</sup> Place** – Ryan Kguyen; Project Title: Staying Clean, The Creation of Drinking Water

### Fort Worth Junior Division Winners

**1<sup>st</sup> Place** – Jalia Dobie; Project Title: Algae Alive

**2<sup>nd</sup> Place** – Isabella Caban; Project Title: Water Filter vs. Pre-filtered Water

**3<sup>rd</sup> Place** – Sarah Savage; What Metal Is Most Affected by Salted Water

### Dallas Senior Division Winners

**1<sup>st</sup> Place** – Meghana Nadella; Project Title: Year 4: Practical Applications of the Novel Use of Nano-particle Enhanced Magnesium Bentonite Clay in Water Disinfection Systems For Developing Nations

**2<sup>nd</sup> Place** – Tom Vazhekatt; Project Title: The Sustainable Water Filtration Process: An Investigation About the Purification and Preservation of Water by Utilizing the Cationic Protein Found in the Seeds of the Moringa Oleifera Plant and the Filtration Capabilities of Sand

**3<sup>rd</sup> Place** – Teddy Hsieh & Jacqueline Mojazza; Project Title: Robotic System for the Early Detection and Automatic Prevention of Phosphate-Fueled Algal Blooms

### Dallas Junior Division Winners

**1<sup>st</sup> Place** – Keshav Vasanth; Project Title: Drops in the Bucket

**2<sup>nd</sup> Place** – James Poe; Project Title: Drinking Water Safety Part 2: Heavy Metal Contaminant Levels

**3<sup>rd</sup> Place** – Lucas Sasaya; Project Title: Algae Control

**Honorable Mention** – Mansi Madaik; Project Title: No Dirt or Debris: Clean Water for Free



For more information contact Elle Frier (Hollbrook) [eholbrook@cpyi.com](mailto:eholbrook@cpyi.com)

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# SPORTING CLAYS

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For more information contact Heather Wootton [HAWootton@GarverUSA.com](mailto:HAWootton@GarverUSA.com)



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## SCHOLARSHIP UPDATES

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WEAT North Texas is in the midst of another very successful scholarship year again for the 2017/2018 Academic Year. As a reminder, WEAT NTS awards two scholarships: the WEAT NTS scholarship, and the Daryl Hall Memorial Scholarship. For the Fall 2017 semester, we had 24 awardees, 12 of which were first time awardees (with the balance being renewals). Of the 24 scholarship recipients, 8 received the Daryl Hall Scholarship. The North Texas Section will award more than \$26,000 in scholarships for this academic year! This is an amazing amount, and due to the strong support we have from our members and sponsors – Thank You! As a Final Reminder to all Fall 2017 Scholarship Recipients: You need to send me your Spring 2018 renewal request, which consists of your Fall 2017 Transcript and a BRIEF paragraph telling me how the Fall semester went for you. Thanks much!

For more information contact Chris Young [cyoung@apaienv.com](mailto:cyoung@apaienv.com)



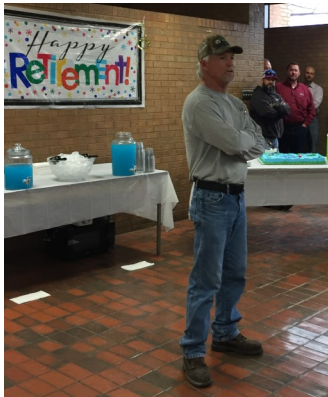
# WEAT/AWWA YP FEBRUARY HAPPY HOUR

Thank you to all who attended the North Texas WEAT and AWWA Young Professionals for Happy Hour last month to celebrate Margarita Day! A special thank you to the event co-sponsors, Municipal Valve & Equipment Company and McCain Waterworks Marketing. The YPs enjoyed an evening of great networking, quesadillas, and cocktails at Blue Mesa Southwest Grill on February 22<sup>nd</sup>. Continue to check the WEAT-NTS website for upcoming North Texas events!!



For more information contact Paula Monaco [pmonaco@apaienv.com](mailto:pmonaco@apaienv.com)

## PERSONAL NEWS



Congratulations to Robert Walker on his retirement. He has dedicated 27 years of diligent and hard work to the Fort Worth Water Department. He was a great team player and natural troubleshooter who helped all plant staff, consultants, and contractors.



Michael L. Woolsey, P.E., Process automation Systems Engineer with the Trinity River Authority of Texas, will be retiring in April after 46-year career with both TRA and the City of Fort Worth.



## OPERATIONS CHALLENGE

Be sure to make your way to the Operations Challenge Competition area during this year's Texas Water conference to be held in San Antonio from April 23 – 25.

The 2018 Operations Challenge Competition will mark a new milestone for this event at Texas Water. With 13 teams registered it will be the largest Operations Challenge Competition in Texas Water history. The North Texas Section represents nearly half of the team's registered:

- DWU AquaTechs
  - Kevin Willey - Captain
  - Ryan Brunnette
  - Edward Burrell
  - Mely Ramirez
  - Christian Mendez
- DWU Central Snappers
  - James Kiser - Captain
  - Richard McCorkle
  - Richard Britton
  - Joseph Montoya
  - Christopher Bradley - Coach
- NTMWD South Mesquite Rangers
  - Zachary Jackson - Captain
  - Keenan Towns
  - Joshua Deaver
  - Rey Davila
  - James Cantrell
  - Jeremy Thompson - Coach
- NRH Pooseidons
  - Chris Legg - Captain
  - Bennie Frazier
  - Justin Dean
  - Chris Dunlop
  - Robert Burgess - Coach
- TRA CReWSers
  - Quintin Winters – Captain
  - Jacob Burwell
  - Raudel Juarez
  - Mark Reeves
  - Steve Price - Coach
- TRA Waste Warriors
  - Clifford Woods - Captain
  - Andrew Moore
  - Howard Williams
  - Gene Hall
  - John Bennett - Coach

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