



WATER ENVIRONMENT ASSOCIATION OF TEXAS

Preserving & Enhancing the Water Environment of Texas

North Texas Section e-Newsletter

March 2012
Volume 24, Number 2

March Dinner Meeting

Date: Thursday, March 15, 2012

Location: Cowboys Golf Club
1600 Fairway Drive
Grapevine, Texas 76051
817-481-7277 www.cowboysgolfclub.com

Agenda: 5:30 p.m. Social hour
6:30 p.m. Dinner
7:00 p.m. Announcements
7:15- 8:00 p.m. Program

Speakers: Leonard Ripley, PhD, P.E., BCEE
Freese and Nichols Inc.

Topic: Cannibal® Comes to Texas: A Full Scale Process Demonstration:
The City of Lewisville Case Study
The City of Lewisville Prairie Creek Wastewater Treatment Plant (PCWWTP) is currently designing and building a full-scale Cannibal® Solids Reduction Process demonstration project in an effort to find an affordable new solids disposal management plan. See expanded topic description on page 2.

Cost:	Members	Full-Time
	and Guests	Students
March 12 or before	\$20	Free
After March 12 (Or payments made by check)	\$25	\$10

We offer a reduced fee to encourage early registration using our convenient online PayPal system. When registering at PayPal, please specify your name and company as you wish it to appear on your name tag in the instructions in the buyers' comment area. Checks or cash are accepted at the door for post-deadline and walk-in registrations. **RSVP:** Crystal Redd at crystal@miautoinc.com by 03/12/12.

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March Meeting Speaker Bio and Topic

Newsletter Sponsors

Leonard Ripley, PhD, P.E., BCEE

Dr. Ripley's experience spans a wide variety of municipal and industrial wastewater projects, including treatment plant evaluations, process design, field and lab testing, operations and troubleshooting, and peer review. His specialty areas include biological treatment, nutrient removal, biosolids treatment, anaerobic treatment processes, and waste-to-energy projects. He has been with Freese and Nichols for 21 years. Before Freese and Nichols, Dr. Ripley completed 15 years of experience in research, teaching, state regulatory agencies, and two other consulting firms. He was awarded WEAT's 2011 Winfield S. Mahlie Award, and holds two patents for anaerobic wastewater treatment.



Presentation Synopsis


The City of Lewisville Prairie Creek Wastewater Treatment Plant (PCWWTP) current solids management plan consists of dewatering solids and disposing of them in the landfill. At \$12/ ton the solids disposal cost is considered a bargain. The City understands the current disposal fee will soon go away and is committed to find a new solids disposal management plan: the Cannibal® Solids Reduction Process.

The Cannibal® process is a proprietary process offered by Siemens where solids are reduced to less than 40% of the typical amount. Cannibal® is essentially a sidestream treatment process that screens the returned activated sludge (RAS) in a WWTP. Aerated anoxic zones are included in the basin to further stabilize the solids and save energy. The driver for this project is to gather data to design the full implementation of the Cannibal® process at the PCWWTP.

The full scale demonstration will provide the answers to the regulatory agency since no design criteria are available in chapter 217. The project is currently under design and construction and is expected to begin in May 2012.

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January Dinner Meeting Highlights

Thursday, January 13, 2012

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WEAT-NTS President-Elect Dawn Anderson, right, presents Trinity River Authority Central Regional Wastewater System Project Manager Bill Tatum, left, and HDR Senior Project Manager Mark S. Mihm, P.E., with plaques of appreciation. Tatum and Mihm spoke to WEAT-NTS members about the challenging events surrounding activation of TRA's Mountain Creek Interceptor.



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Leadership Message

The first four months of the year are likely the busiest for WEAT-NTS. Within this time frame we will have held two dinner meetings, February Seminar, Sporting Clays Tournament, local Science Fair judging, and our YP Brewery Tour. It is great to be able to offer multiple opportunities for involvement in WEAT-NTS!

I hope you were able to attend our February Seminar this year, as we had many notable professionals presenting, complete with chocolates for all. Now who was it that won the big stuffed bear as a door prize? Thank you Mark Perkins for organizing and executing a memorable February Seminar! Can you believe it was his first year as February Seminar chair?!

I just submitted my team registration information for the Sporting Clays Tournament. I have to admit (okay, maybe warn) that I have yet to fire a shotgun. I have fired rifles and handguns, but only at stationary targets. This will be a good challenge for me and all my fellow team mates on the Bullets & Bombshells Team. I hope you can attend (as a shooter or volunteer) and help to cheer us on!

In addition to social events, the Executive Committee has approved the issuance of NTS Scholarship checks to all our scholarship students for the spring semester. If your son, daughter, or maybe you are planning to go to college this fall, please look into our WEAT-NTS and Daryl Hall Scholarships. We'll post our requirements and application form around mid-year.

Hats off to the Executive Committee, Committee Chairs, volunteers, and sponsors who help to make it all happen!

I look forward to seeing you at a future event!

Sincerely,
Erin Flanagan
President, WEAT-NTS



Erin Flanagan
President, WEAT-NTS

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WEAT-NTS is now offering three levels of dinner meeting sponsorship for 2012 - 2013. See the details below for how you can support WEAT-NTS and have your organization recognized by 500 recipients of the WEAT-NTS newsletter and up to 120 attendees at each of our dinner meetings. Your support is vital and greatly appreciated.

All sponsorships must be paid by June 30, 2012.

WEAT-NTS Sponsorship Levels

Classic Sponsor

- \$250
- Recognition of Classic Sponsors:
 - ✓ Announcement on front page of newsletter (names of firms only)
 - ✓ Announcement in meeting reminder emails (names of firms only)
 - ✓ Sign at meeting listing the sponsors (names of firms only)
 - ✓ Verbal recognition of sponsors by president at the beginning of the meeting

Gold Sponsor

- \$1,250.00
- Recognition at **ALL** six meetings (for the price of five)
- Recognition of Gold Sponsor is the same as Classic Sponsor at **ALL** six meetings

Platinum Sponsor

- \$1,850.00
- Recognition at **ALL** six meetings
- Recognition of Platinum Sponsor is same as Gold Sponsor plus:
 - ✓ Company name included in newsletter announcement
 - ✓ Company logo included in meeting reminder emails
 - ✓ Company logo included in sponsor sign at meeting
 - ✓ Display of digital banner at meeting (if supplied) via power point
 - ✓ Recognition of Platinum Sponsor by President at the beginning of the meeting

Includes sponsorship of:

1. February Seminar
2. WEAT-NTS Scholarship
3. Daryl Hall Scholarship
4. Business Card Ad in Newsletter

If you are interested in supporting the WEAT-NTS organization with a new sponsorship or want to renew an existing sponsorship, please contact:

*Joe Etchegaray
WEAT-NTS Treasurer
Email: crystal@miautoinc.com
Phone: 817-773-7151*

To pay by credit card, please visit www.weat-nts.org and utilize our PayPal option.

Individual Sponsorship Opportunities

- NTS - BBQ Cook Off - \$250.00
- WEAT - NTS Scholarship - \$100.00
- Daryl Hall Scholarship - \$100.00
- NTS - Newsletter Business Card Ad, July through June - \$150.00
- NTS - February Seminar - \$250.00
- NTS - Young Professionals - \$100.00
- NTS - Operations Challenge - \$100.00
- Recognition of other sponsors includes:
 - ✓ List of sponsors in newsletter announcement
 - ✓ List of sponsors in event reminder emails
 - ✓ Sign at event listing each sponsor

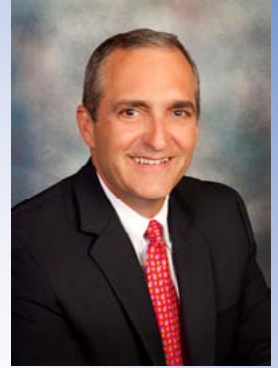
Seminars • Workshops • Training

FEBRUARY SEMINAR RECAP

By Mark Perkins, Seminar Coordinator

The North Texas Section's annual February Seminar, entitled "Looking to the Future in Wastewater Treatment" was held on Valentine's Day (the secondary theme was "A Relationship Enrichment Experience for your Treatment Plant"). What could be more romantic?

This year's seminar was a great success. It was attended by approximately 125 registrants, speakers, and students, with 24 companies generously providing sponsorship contributions. Net proceeds of over \$11,000 were raised to benefit the Section's scholarships and other programs. Special thanks to Rami Issa, Brigit Buff, Jared Schmerse, Letty Gomar, Crystal Redd, Aileen Roberts, and Valerie Willis for volunteering time to make the seminar a success. Thanks also to the speakers for excellent presentations, (and to their employers for making them available).



WEAT President-Elect John Bennett and Sporting Clays Event Coordinator Jeff Sober set the Valentine's mood with welcoming remarks.



Dr. James Barnard of Black & Veatch speaks on nutrient recovery technologies.



Dr. Beverley Stinson of AECOM addressed sidestream and mainstream deammonification.



Dolan McKnight speaks on the NTMWD's experience with phosphorus removal. Dolan plans his retirement this month!

Seminars • Workshops • Training

January E&I technical seminar recap

The WEAT E&I Committee held its first technical seminar of 2012 Jan. 18 at the Trinity River Authority's Central Regional Wastewater System facility in Dallas. There were 55 people participating from across the Metroplex. The topic was "Process Design" and the speakers were:

1. Joe Elarde, CH2M Hill: Desalination (RO Membrane) Process Design
2. Dr. P.Y. Keskar, CH2M Hill: Desalination (RO Membrane) E&I Design
3. Samir Mathur, CDM Smith: Biological Nutrient Removal Process Design
4. Andrew Paulson, CDM Smith: Biological Nutrient Removal E&I Design

A copy of each presentation has been posted to the WEAT Website. Phoenix Contact provided lunch for all participants immediately afterwards.

A voluntary collection for "Water For People" netted \$125. To date, the WEAT E&I Committee has donated \$1,037 to this charity.

Save the date! March E&I seminar

The next E&I technical seminar will take place on Wednesday, March 21. Watch your email and WEAT-NTS.org for details.

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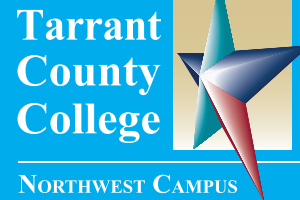
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SPRING/SUMMER 2012

For additional information, contact
Marisa Reyes at 817-515-7049 or
marisa.reyes@tccd.edu.



8 HOUR COURSE

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April 10, 2012 (Tuesday)

8 a.m. – 5 p.m.

Class limit: 20 students

20 HOUR COURSE

WASTEWATER LABORATORY

\$260

(Includes student hands-on component)

July 17–19, 2012

8 a.m. – 5 p.m.

(Monday – Tuesday)

8:00 a.m. – 12 p.m.
(Wednesday)

Class limit: 24 students

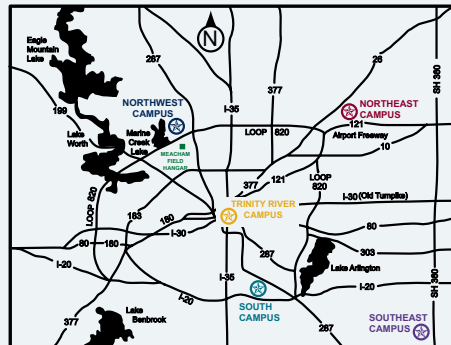
TARRANT COUNTY COLLEGE NORTHWEST CAMPUS FUTURE COURSES:

8 HOUR COURSES

- W/WW Utilities: Security Management
- Water Sampling and Field Analysis
- Wastewater Sampling and Field Analysis

20 HOUR COURSES

- Basic Water Works Operations
- Basic Wastewater Operations
- Water Laboratory
- Water Utility Calculations
- Water Utility Safety



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The Northwest Campus Online Testing Center also offers
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For a complete list of TCEQ exams or to schedule an
appointment to test, please call **817-515-7653**.

Announcements

APAI receives a 2012 ACEC EEA Honor Award

APAI received an EEA Honor Award from the American Council of Engineering Companies for North Texas Municipal Water District's East Fork Raw Water Supply Project.

NTMWD and Rosewood Corporation's commitment to the efficient use of water resources facilitated the ground-breaking East Fork Raw Water Supply Project. This project has enabled NTMWD to meet a significant portion of its raw water needs through an environmentally-friendly approach utilizing the largest constructed wetland in the country used within an indirect-potable reuse project.

The East Fork Raw Water Supply Project also represents an excellent example of the effectiveness of a public-private partnership in achieving the objectives of each entity. In partnership with the Rosewood Corporation, NTMWD developed a reliable water supply source using a natural system. Rosewood fulfilled its goal of restoring wetland habitat while providing educational opportunities for the local community as well as research opportunities for several universities. The East Fork Raw Water Supply Project exemplifies environmental excellence through water conservation, ecological restoration, and educational outreach.

For more information, click on the link below:

[East Fork Raw Water Supply Project](#)

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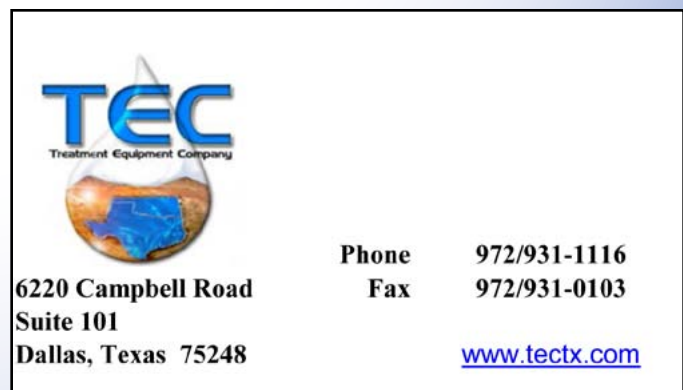
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Save the date!
9th Annual Daryl Hall
Memorial Golf Tournament
Sept. 14, 2012

Look for details in future e-newsletters, by email
and on the WEAT-NTS website.



3rd Annual WEAT North Texas Section Sporting Clays Tournament

Friday, March 16, 2012

8:30 am to early afternoon

(Breakfast & Lunch provided)

BENEFITING:

**WEAT-NTS Scholarship Fund
Operations Challenge**















- Shotgun Raffle!
- Door Prizes!
- Multiple Awards!
- Gift Cards!
- Shells Included!
- Ammo Bag Included!

Event Details



The 3rd Annual **WEAT-NTS Sporting Clays** Event will be filled with food, fun, and good old fashioned competition between friends. Proceeds will be divided between the WEAT-NTS Scholarship Fund and OPS Challenge.

-  *Suitable for experienced and inexperienced shooters.*
-  *Bring your own equipment, or you can rent a shotgun at a nominal cost.*
-  *100 Shells provided with each registration.*
-  *Mulligans or “do-overs” available for \$5 each and can be purchased on-site.*
-  *Eye and ear protection provided upon request.*
-  *12 stations, each with two automatic target throwers.*
-  *4 or 5 shooters per team. Individuals not in a team will be assigned to a team at the event.*
-  *100 clay targets per participant.*
-  *Course can be walked (approx. 0.6 mile total distance).*
-  *A shotgun shell bag will be provided to each shooter.*
-  *Barbeque lunch and drinks provided.*
-  *Event will proceed “showers or shine”. Event will be rescheduled only if heavy storms occur.*
-  *Shooters age 14 and below to be accompanied by an adult.*

What is Sporting Clays?

Sporting clays is “*golf with a shotgun*”. It is a form of clay pigeon shooting that involves shooting clay targets at multiple locations (stations). Sporting clays targets are thrown in a great variety of trajectories, elevations, and distances. Targets can come through the trees, over your head, left to right, right to left, in any path a real bird might choose. The stations are designed to be unpredictable and challenging for the shooter.

Each station has two clay-throwing machines. Targets are thrown in pairs. The number of clay pairs will vary from station to station. The types of pairs will also vary by station. Some stations will be “report pairs” (the second target is launched on the report of the shooter’s gun) and others will be “true pairs” (the two targets are thrown simultaneously).

Scoring is simple. Your team will receive one scoring card per shooter, with individual scoring based on 100 shots. For every target you break, the scorer will mark an X in the blank provided; if you miss, you mark an O. The number and type of pairs will vary by station. The high score is determined by the total sum of targets hit.

Questions:

Call or email **Jeff Sober** at **972-239-9949**
or jsober@carollo.com



Registration Form

My team wishes to participate as follows:

Description	Each	No.	Total
Registration Fee for Shooters (includes, breakfast, lunch, shell pouch, and 100 rounds of ammo)			
Shooters fee (Paid registration before 3/2/12)	\$140	___	\$ ___
Shooters fee (Paid registration after 3/2/12)	\$150	___	\$ ___
Optional Items			
Shotgun rental – 12 or 20-ga (Team can share)	\$10	___	\$ ___
Lunch Tickets (non-shooters only)	\$20	___	\$ ___
Mulligan (“do-over”)	\$5	___	\$ ___
Eye and ear protection	\$0	___	\$ 0
Golf cart rental (optional)	\$150	___	\$ ___
Event Sponsorship			
Station Sponsorship – Sign at a station	\$175	___	\$ ___
Event Sponsor – Sign at meeting/lunch area	\$175	___	\$ ___
Sponsor Package (Sign at Station and Lunch area)	\$350	___	\$ ___
Shotgun Raffle			
Raffle Ticket(s) (No limit), available on-site. (two shotguns raffled)	\$20	___	\$ ___
Total Amount Due			\$ ___

- I will mail a check. I will pay at the event.
 I will pay by PayPal (or Credit Card).

TEAM NAME: _____

Shooter 1: _____
 e-mail: _____
 Shooter 2: _____
 e-mail: _____
 Shooter 3: _____
 e-mail: _____
 Shooter 4: _____
 e-mail: _____
 Shooter 5: _____
 e-mail: _____

**Teams are a minimum of 4, maximum of 5*

Registration Closed

Registration Deadline is Friday, March 2nd.

(On-site registration will be accepted as long as space is available.)

Please mail, fax, or email this form to:

Jeff Sober
 jsobor@carollo.com
 Carollo Engineers
 14785 Preston Road, Suite 950
 Dallas, Texas 75254
 ph: 972-239-9949
 fax: 972-239-9117

Location:
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Prizes

Prizes will be awarded to **first, second and third place teams** as well as **first, second and third place individuals**.

Door prize drawings during lunch



Additional prizes for:

- Most honest team score
- Most honest individual score
- Top female shooter
- Sponsorship recognition award
- Most improved



Directions: From Downtown Fort Worth: Take I-35 south to I-20 East. Go east to the Forest Hill Drive Exit (#440B). Turn right (South) onto Forest Hill, go 2½ miles to the second 4-way stop sign (there will be a Post Office on your right). Turn left (East) onto Shelby Road. Follow Shelby for 2½ miles and Alpine will be on the right. There are signs beginning at Shelby Road that will guide you.

Rules:

For the safety of shooters and bystanders:

- Each station will have a WEAT-NTS volunteer to oversee the orderly activities at the station.
- Eye and ear protection is mandatory.
- Gun breech or actions open to show gun is unloaded at all times unless in the cage and ready to fire.
- Do not load gun until in the cage and ready to fire.
- Never load more than 2 shells in gun.
- No shot size larger than 7-1/2's. (7-1/2's, 8's and 9's only)
- Guns must have full stock and minimum 21" Barrel.
- Alcohol is prohibited.
- Waivers forms will be required at check-in.

Volunteers Needed

Please contact **Jeff Sober** at
972-239-9949 or jsober@carollo.com



Announcements

Newsletter Sponsors

Hall named Global Technology Leader at CH2M Hill

Ken Hall, from CH2M Hill's Fort Worth Office, has been named CH2M Hill's Global Technology Leader for Water Supply Services. Hall stewards technologies and staff involved with water reuse and water supply development across the globe. He has 25 years of experience helping government and private sector clients plan, permit, and deliver projects. Contact Hall at ken.hall@ch2m.com or 817.313.1576.

David M. Smith, P.E. joins Rush Creek Consulting Inc.

Rush Creek Consulting Inc. of Arlington is pleased to announce the addition of David M. Smith, P.E. to its staff. Smith will focus on providing regulatory, operational, and construction assistance to water and wastewater utilities.

CDM and Wilbur Smith Associates join forces

CDM and Wilbur Smith Associates have joined forces to form a full-service consulting, engineering, construction, and operations firm. WSA brings transportation and design-build expertise to CDM's water and environmental services. CDM Smith employs nearly 6,000 individuals that provide world wide engineering and construction services.

Rodgers joins 2M Associates

2M Associates LLC welcomes Brad Rodgers as its Electrical Group Team Leader. Rodgers' past project roles and 27 years of experience make him uniquely qualified to manage 2M's growing business. Rodgers is a forward-looking thinker with creative ideas. He will help 2M in identifying and winning new opportunities in the electrical industry. He will also be responsible for the day to day operations of electrical and I&C engineering projects. Contact Rodgers in 2M's Dallas office at 972-281-7837 or brodgers@two-mm.com.




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YP happenings

Upcoming Young Professional Happy Hours

April Happy Hour

Date: April 4
Place: Blue Mesa
5100 Belt Line
Addison, Texas,
Sponsor: Pierce Pump

Dodson's Drive Sponsorship

Dodson's Drive was established to further the work and education of the Young Professionals of WEAT/TAWWA. The sponsorship can be used to fund YP events and seminars, participation in other WEAT/TAWWA activities, recruiting activities and travel expenses to WEAT student design competitions. Visit www.weat.org/yp.shtml for an application and instructions on applying for assistance.

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YP happenings

Mark your calendars!

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Preserving & Enhancing the Water Environment of Texas

WEAT and AWWA North Texas Section Brewery Tour

Rahr Brewery in Fort Worth
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April 26th from 5:30 PM - 8:30 PM

iPad RAFFLE!
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All proceeds to benefit Dodson's Drive.

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Email weatnts@weat-nts.org to be added to the list.

Notices go out well in advance of the meetings and also serve to notify of events and changes. You will receive about three emails every month.

PayPal now available

WEAT-NTS sponsors and dinner meeting attendees can now pay with PayPal at www.weat-nts.org. Members can register early for dinner meetings and take advantage of reduced fees by paying online.

Companies and individuals can sponsor dinner meetings and/or the newsletter or donate to scholarship funds at the WEAT-NTS website.

When registering at PayPal, please specify your name and company as you wish it to appear on your name tag in the instructions from buyers comment area.

WEAT-NTS calendar of events

<u>Event</u>	<u>Date</u>	<u>Location</u>	<u>Topic</u>
March Dinner Meeting	March 15, 2012	Cowboys Golf Club	Cannibal® Digestion
Sporting Clays Tournament	March 16, 2012	Alpine Shooting Range	N/A
YP Happy Hour	April 4, 2012	Blue Mesa, Addison	N/A
YP Event – Brewery Tour	April 26, 2012	Rahr and Sons Brewery	N/A
May Dinner Meeting	May 17, 2012	Texas Star	Mary's Creek
July Dinner Meeting	July 19, 2012	Cowboys Golf Club	DWU Grease Program
Daryl Hall Golf Tournament	September 14, 2012	TBD	N/A

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WEAT membership has advantages

Are you a member of WEF or WEAT? Do you know someone who needs to join?
Visit www.weat.org and click on “About WEAT” and then “Join WEAT” for an application.

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