President’s Letter

Heather Tittjung
President, Tulsa Post

We have been very busy the first half of this year and the second half looks like more great activities and presentations are headed our way. In March, the program meeting was sponsored by Mason & Hanger with Contech presenting “DuroMaxx, the Next Generation of Storm and Sanitary Sewer Pipe.”

The Tulsa Post hosted the 2012 SAME Tulsa / Arkansas Posts Joint Future and Partnering Symposium on April 10-11, 2012 at the Hard Rock Hotel and Casino. The Symposium provided participants a glimpse into the current government workload, future contracting opportunities and the ever favorite “Speed Networking” exercise. The Symposium was preceded by the Tulsa Post’s Annual Scholarship Fundraising Golf Tournament.

In May, the Stanley Group presented, “West Closure Complex in New Orleans,” featuring the largest pump station and the country’s largest sector gate. The meeting sponsor for this meeting was HDR, Inc. Also in May, I attended the National SAME Conference in St. Louis. I started the conference with the Ice Breaker at the City Museum, a 5K run the next morning and was on deck to receive the Distinguished Post Award on behalf of the Tulsa Post. It was an amazing experience.

The June program meeting was presented and sponsored by Parsons. Their presentation “Nutrient TMDL’s for Oklahoma Reservoirs with Limited Data: Assessing Uncertainty using the Monte Carlo Simulation.” This was a very engaging topic with an exciting Q&A session following the presentation.

We are on taking a summer break from our Program schedule. We will, however, will be heading out to the ballpark on Thursday, July 19th for our Young Member mentoring event. The evening will include a tailgate party at the offices of Wallace Engineering before heading to Drillers stadium. For more details on how you can get your tickets, please see page 2 of this newsletter and get your tickets NOW!

Regards,

Heather V. Tittjung
2012 Tulsa Post President
Let’s Play Ball!

YOU’RE INVITED TO THE
SAME Tulsa Post’s
Young Member/Fellows Mentor Event
Thursday, July 19th at 6pm
At Wallace Engineering — Structural Consultants, Inc.

Sponsored By:

WESTON SOLUTIONS
an employee-owned company

200 East Brady Street
Tulsa, OK 74103

WE’LL ENJOY A TAILGATE PARTY AT WALLACE ENGINEERING
BEFORE THE TULSA DRILLERS BASEBALL GAME AND THEN
BRIEFLY WALK TO ONEOK FIELD TO ENJOY THE GAME.
WE HOPE YOU’LL JOIN US FOR THE FUN!

Please RSVP by Monday, July 16th to Karen MacCannell at
918.585.8555 ext. 20 or KMacCannell@themcintoshgroup.com
to reserve your meal and game ticket. Limited quantity of Free tickets.
Fun for the Whole Family!

Tulsa Drillers vs. Springfield Cardinals--Section 104 (1st base seating)

Open to all SAME Members and Guests (spouses, family, etc.)

ALL NEW SAME YOUNG MEMBERS (AGE 35 AND YOUNGER) ATTENDING THIS EVENT WILL RECEIVE A TULSA POST 1-YEAR YOUNG MEMBER MEMBERSHIP!

Free Food and Parking during Tailgate before the game located at Wallace Engineering's parking lot!

Location of Wallace Engineering in Tulsa
Program Meeting

**Topic:** Net Zero Energy Design-Build Construction

**Speaker:** Leetex Construction

**Sponsor:** Leetex Construction

**Date:** August 21, 2012

**Time:** 11:30 a.m.

**Place:** Room 210, Tulsa District Corps of Engineers District Office Building
1645 S. 101st E. Ave., Tulsa, OK

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Professional Development

**PE RESOURCES**

- **Oklahoma State University Continuing Education** [http://outreach.okstate.edu/](http://outreach.okstate.edu/)
- **University of Tulsa Continuing Engineering and Science Education** [http://www.cese.utulsa.edu/](http://www.cese.utulsa.edu/)
- **University of Oklahoma Continuing Education - Engineering and Geosciences** [http://www.engr.outreach.ou.edu/](http://www.engr.outreach.ou.edu/)
- **OKC Section of IEEE** [https://webinabox.vtools.ieee.org/wibp_home/index/R50021](https://webinabox.vtools.ieee.org/wibp_home/index/R50021)
- **Tulsa Engineering Foundation** [http://tulsaengineer.org/events/](http://tulsaengineer.org/events/)
- **Tulsa Chapter of OSPE** [http://www.ospe.org/displaycommon.cfm?an=1&subarticlenbr=34](http://www.ospe.org/displaycommon.cfm?an=1&subarticlenbr=34)
- **Oklahoma State Board of Licensure for Professional Engineers & Land Surveyors** [http://www.pels.state.ok.us/](http://www.pels.state.ok.us/)

*For further information, please contact:*

Brett Cowan
Brett.A.Cowan@usace.army.mil
Congratulations!

Earl Groves, longtime Tulsa Post SAME member currently serving on the Programs Committee, was awarded the honor of becoming a member of the distinguished SAME Academy of Fellows. The award was presented at the 2012 Golden Eagle Dinner on March 28, 2012. This is an outstanding achievement signifying that Earl has provided dedicated service to both SAME and to engineering and related professions. Congratulations, Earl!

Thank you!

Lars Ostervold, CH2M Hill employee and current member of the SAME Tulsa Post Readiness committee, served in Afghanistan as the Senior Engineer for Oklahoma's 45th Infantry Brigade Combat Team from June 2011 to March 2012. While in Afghanistan, Lars received care packages from the Blue Star Mothers that were packed with the help of Tulsa SAME Post members. We are thankful to Lars for his service! Don't miss the November 20, 2012, Tulsa Post Program Meeting where Lars will give a presentation on his tour of Afghanistan.
The 2012 Joint Future Work and Small Business Partnering Conference was held April 10-11, 2012, in Tulsa, OK. The first day of the event was comprised of the Tulsa Post’s Annual Scholarship Fundraising Golf tournament, followed by an Icebreaker Social at the Hard Rock Hotel and Casino. The second day had numerous speakers and a speed networking exercise. The event was a great success with presentations by:

- Greg Kuhn, P.E., F. SAME Texoma RVP-Opening Remarks
- COL Michael Teague, Tulsa District Commander
- COL Glen Masset, Little Rock District Commander
- COL Richard J. Muraski Jr., Fort Worth District Commander
- COL Christopher W. Sallese, Galveston District Commander
- Mr. Rex Ostrander, Chief Construction Division, Kansas City District
- COL Charles Klinge, SWD Deputy Commander

Copies of the presentation can be found at the following link: http://posts.same.org/tulsa/2012futureworks.html
2012 SAME Tulsa/Arkansas Posts Joint Future Work & Small Business Partnering Conference
The 2012 Joint Engineer Training Conference and Expo took place May 22-25 in St. Louis, Mo. The event was a huge success, with nearly 2400 attendees and more than 300 exhibitors. Numerous technical tracks and workshops provided professional development opportunities for attendees at all levels working in the public or private sector. In attendance from the Tulsa Post were Robert Day, Kathy Smith and Tulsa Post President Heather Tittjung.
Congratulations!

Weston Solutions, Inc., was the recipient of the 2011 J.W. Morris Sustaining Member Award. The Award was presented at the 2012 Joint Engineer Training Conference and Expo which took place May 22-25 in St. Louis, Mo. Congratulations, Weston!!

Peter Ceribelli, Chief Operating Officer for Weston Solutions, Inc., receiving the 2011 J.W. Morris Sustaining Member Award

Looking for Articles from Post Members

We are seeking articles from Tulsa Post members to include in future issues of the Post newsletter and in the SAME National TME-The Military Engineer bi-monthly magazine. We hope to hear from you.

If you are interested in submitting an article, please contact:
Shannon Koeninger
Email: shannon.a.koeninger@saic.com
Mason & Hanger (M&H) is dedicated to providing our clients with the utmost quality in the design of their buildings and/or systems. Mason & Hanger, founded in 1827, has succeeded in large part due to our continued focus on execution, delivery, and performance. Our design and construction professionals know that today's clients expect fast execution and delivery while still maintaining high quality. M&H team members strive to exceed these expectations.

Mason & Hanger provides full discipline, single-source architectural, engineering, construction, and design/build services in support of the nation's armed forces. M&H is recognized for providing some of the most complex, highly technical facilities and infrastructure and has developed a reputation of exceptional quality and reliability.

The company's 185-year history provides the foundation for this long-term reliability and the stability clients rely upon. M&H's longevity is a testament to its dedication in providing clients with the best there is to offer in building and infrastructure design and construction.

History of Mason & Hanger
- Established in 1827, first federal project in 1902
  - Corps reported the company “performed well”
  - The lock & dams are in place today
- First military project in WWI
  - Camp Zachary Taylor, Louisville, KY
  - Old Hickory Black Powder Plant, Old Hickory, TN
  - Port Charleston, SC (7 months)
- Established Mason & Hanger’s tradition that continues today as the “go to firm” for critical and complex military projects
- Merged with Day & Zimmermann in 1999
  - 23,000 employees
  - 150 locations worldwide

Business Focus: Military Facilities
- Services Provided
  - Architecture / Engineering
  - Design/Build
  - Construction Services
- Capabilities
  - Full Discipline A/E: Architecture, Mechanical, Electrical, Civil and Structural Engineering
  - Sustainable Design / LEED, Hazards Analyses

Locations
300 West Vine Street, Suite 1300
Lexington, KY 40507
859.252.9980

7270 West 162nd Street
Overland Park, KS 66085
913.681.7323

Safety, Integrity, Diversity, Success
Sarah Kellert, P.E., Contech Engineered Solutions, spoke about DuroMaxx. DuroMaxx Steel Reinforced Polyethylene Pipe is an ideal combination utilizing the strength of steel and the durability of plastic. 80 ksi steel reinforcing ribs provide the strength, and pressure rated Polyethylene Resin (PE) provides the durability. This combination of materials results in an extraordinarily strong and durable pipe. DuroMaxx is designed with a smooth inner wall for outstanding hydraulic capacity and provides the properties you can count on for long-term service and performance in the most demanding environments.
2012 Tulsa Engineering Challenge (TECh)

2012 Tulsa Engineering Challenge (TECh) was held on Friday, April 13, 2012 at the Tulsa Technology Center, Riverside Campus, Jenks, Oklahoma. Tulsa Post SAME is a member society of the Tulsa Engineering Foundation (TEF) that organized this annual event. The following SAME members participated the event: Shannon Hudson, Anna Childers, Braden West, Chris Strunk, Daniel Morales, and Sarah Kellert.

TECh promotes science and engineering by providing hands-on activities for students in Northeastern Oklahoma. The 2012 theme is “Engineers Make It Real — from Ideas to Reality”. At this one-day event held annually, students in grades 4 -12 compete in events where they design and build a specific device to compete against other area students. Approximately 30 area schools were participated with over 800 students.

The TECh Fair included the following activities: aluminum boat, chemical switch, digital poster, electric motor, extreme engineering, mini-math, paper-plane duration, paper-plane distance, robot, ping pong launcher, rubber band powered vehicle, toothpick bridge, and wacky wonder works.

Braden West, Chris Strunk and Daniel Morales from SAME volunteered to run the Ping-Pong ball launcher competition. Chris was in charge of the event and ran registration and scoring for the groups. Braden helped to judge whether the launchers met the rules. Daniel helped with the running of the middle school age bracket launchers. Shannon helped in recoding results in chemical switch competition. Anna helped with the electric motor competition. Sarah helped with the toothpick bridge competition.
HDR is a proud Sustaining member of the SAME Tulsa Post. For years, HDR has partnered with our local and global DoD clients as a full-service A/E/C provider delivering experienced solutions to meet mission requirements and budget demands.

With over 50 Sustaining Posts and members around the globe, HDR has proudly supported SAME for over 42 years.

Everyone expects more. HDR delivers more.

Learn more at www.hdrinc.com.
May 15, 2012 Program Meeting

Dan Miller, Project Manager with Stanley Consultants, spoke about the West Closure Complex.

Mr. Miller received his civil engineering degree from the University of Iowa and is a registered professional engineer in Louisiana and other states. He has been closely involved in the Greater New Orleans Metropolitan Area flood risk reduction program for most of the past 6½ years, starting with an assignment immediately after Hurricane Katrina to restore flood protection in Plaquemines Parish. This Task Force Guardian assignment led to involvement with the Hurricane and Storm Damage Risk Reduction System (HSDRRS), the $15 billion program to increase protection to the 100-year level by June 2011. The $1 billion West Closure Complex (WCC) is a key component of the HSDRRS. Mr. Miller was embedded with New Orleans District staff during the design and construction of the WCC, which was the first use of Early Contractor Involvement (ECI) contracting by the Corps for a Civil Works project.
Will Rogers JROTC Scholarship Recipients

Each of the following four students received a $750 scholarship from the Tulsa SAME Post. The scholarship recipients are all in the BN Color Guard and are top producing cadets enrolled in AP courses. The Tulsa SAME Post also donated $1000 to the Will Rogers JROTC program.

- Darien Tilley, BN S4, Commander of the Color Guard.
- Tyler Terrio, BN Commander, Rifle Team Commander.
- Dartanion Tilley, BN S1, Armed Drill Team Commander.
- Michael Bollin, BN S2.

The scholarships were presented by Tulsa SAME Post Member David Epperly at the May 15, 2012, Program Meeting.
June 19, 2012 Program Meeting

The June Program meeting was sponsored by Parsons. Jim Patek, Senior Project Manager for Parsons Environment and Infrastructure Group, spoke about the Nutrient TMDLs for Oklahoma Reservoirs with Limited Data: Assessing Uncertainty using the Monte Carlo Simulation. The state of Oklahoma is experiencing water quality issues in many of their smaller water supply reservoirs, most notably eutrophication related to nutrient enrichment. The Oklahoma Department of Environmental Quality (DEQ) and Parsons developed a suite of tools to address TMDLs impairments for stream and lakes across the state. The tools are scalable to other parameters and to multiple water bodies in the state. The methods and technology are relatively quick to deploy and are transferrable.

Mr. Patek currently serves as the Parsons lead technical expert specializing in water quality and quantity modeling, hydrodynamic modeling, decision support modeling and systems integration. Mr. Patek’s educational background is in both environmental engineering and mathematical ecology. He has 35 years of experience in environmental engineering, environmental studies, surface water hydrology, aquatic biology and chemistry.

In the News.....

Kleinfelder appoints Jeff Brizendine as levee segment manager

Industry veteran to broaden geographic reach of firm’s levee engineering services

KANSAS CITY, Mo. — Kleinfelder, a global science, architecture and engineering consulting firm, is proud to welcome Jeff Brizendine, P.E., as the firm’s Water Market national levee segment manager based out of the firm’s Kansas City, Mo. office. In his new position, Brizendine will oversee Kleinfelder’s levee engineering practice providing leadership in all business development, project management and client account management efforts for the firm’s levee engineering practice nationwide. He brings with him more than 24 years of engineering experience in a diverse set of technical and leadership roles relating to levees, stormwater and surface water resources management.

Throughout his career, Brizendine has demonstrated a strong track record of successful project development and delivery. His past project successes have ranged from managing regional flood map reviews for the Federal Emergency Management Agency (FEMA), to managing watershed basin studies for the City of Kansas City, Mo. Prior to joining Kleinfelder, Brizendine most recently spent eight years with AECOM where he oversaw his business line’s levee and stormwater markets nationwide, as well as the business line’s water resources market in the Midwest region. He earned a Bachelor of Science in mechanical engineering and a Master of Science in civil and environmental engineering, both from the University of Missouri.

Thanks!
SAME is Part of the Social Media

Follow SAME on the following social media sites:

- SAME National on Twitter at http://twitter.com/same_tme
- SAME National’s weekly digest blog “Bricks and Clicks” at www.same.org/blog
Sustaining Member Firms

A & M Engineering and Environmental Services Inc.
AECOM
*Aerial Data Service Inc.
Aerotek, Inc.
*ALL Consulting
AMEC
ARCADIS/Malcolm Pirnie
*ASSET Group
*BKL, Inc.
Black & Veatch Special Projects Corp.
Brown and Caldwell
Burns & McDonnell
CDM Smith
CH2MHILL
*Cherokee CRC, LLC
*Cherokee Nation Construction
CJC Architects, Inc.
*Comanche Nation Construction, LLC
*Continental Mapping Consultants Inc.
Cyntergy AEC
Dewberry
EA Engineering, Science, and Technology, Inc.
ECC
Ecology & Environment Inc.
*EMR, Inc.
Enercon Services, Inc.
Franvel Corp.
Garver
HDR
*HydroGeoLogic, Inc.
Key Construction
Kiewit
Kleinfielder
Mason & Hanger
Mead & Hunt, Inc.
MECX, LP
Meshek & Associates, PLC
Parsons
SAIC
SpecPro Environmental Services, LLC
*Standard Testing & Engineering Co
Stanley Consultants Inc.
Terracon Consultants, Inc.
Tetra Tech, Inc.
*The McIntosh Group, LLC
*The Ross Group Construction Corp.
The Shaw Group, Inc.
Tri-State Engineering
URS Corporation
*USA Tank Sales & Erection Co, Inc
Walbridge
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*Indicates Small and /or Tribal Businesses
www.sba.gov

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