



SAME's Tulsa Post Newsletter

April 2003

The Society of American Military Engineers

www.same.org/tulsa

2003 Programs

January 14 — 11:30 am

Location: Te-Keis, 1616 S. Utica Ave.
Installation of New Officers & State of the Post

February 11 — 11:30 am

Location: COE, 1645 S. 101 E. Ave., Room 210
USACE Field Force Engineering, A Report on
Operation Enduring Freedom

March 11 — 5:30 pm

Location: Spaghetti Warehouse, 221 E. Brady
(587.4440)
Young Members Event—"Engineering
Blunders"

April 23 — 11:30 am

Location: COE, 1645 S. 101 E. Ave.,
Room 210
Construction & Performance Monitoring
of the World's Longest Continuous Zero
Valent Iron Permeable Reactive Barrier

May 1 — 10:30 - 11:30 am Env Discus- sion & 1:00 pm Shotgun Start

Location: Clary Fields
Scholarship Golf Tournament & Environmental
Contracts Discussion

June — No Meeting — Summer Break

July 15 (To Be Confirmed) — 11:30 am

Location: COE, 1645 S. 101 E. Ave.
Contracting Panel

August 19 — 11:30 am

Location: COE, 1645 S. 101 E. Ave.
Readiness — Homeland Security

September 9 — 1:00 - 4:00 pm

Location: COE, 1645 S. 101 E. Ave.
The Beginning of the End — Strut Your Stuff
Company Exhibits, Networking & Ice Cream

October (To Be Announced) — 5:30 pm

Location: Webber Falls
Barge Ride with Live Entertainment

November 19 - 21

Location: Oklahoma City
Texoma Regional

December 11 — 5:30 pm

Location: Petroleum Club of Tulsa
Holiday Social

April Meeting

Construction & Performance Monitoring of the World's Longest Continuous Zero Valent Iron Permeable Reactive Barrier

Lynn Morgan, PG will present on this technology demonstration study conducted at the former Carswell AFB in Texas, which was funded as a joint effort by the Air Force Center for Environmental Excellence, Air Force Real Property Agency, and Aeronautical Systems Center. The objective was to demonstrate the use of a ZVI PRB to abiotically degrade chlorinated ethenes, in particular trichloroethene (TCE), in groundwater. This presentation will summarize the construction and performance monitoring results.

Lynn is a professional geologist who has worked for HydroGeoLogic, Inc. for seven years. She is the project manager for the Permeable Reactive Barrier project at the former Carswell AFB and has been the lead contractor for the conceptual models, risk assessments, and feasibility studies conducted over the past six years to address the basewide TCE plume.

Spotlight firm this month is: **HydroGeoLogic Inc.**

HydroGeoLogic is sponsoring lunch from Jason's Deli for the April meeting and is also providing a scholarship raffle prize (Metal Coleman Cooler)! And SAME sends a special thank you to Frank Bissett for coordinating this month's meeting.



March Meeting

Young Members Event—Engineering Blunders, presented by Stephen Ford, Ph.D., PE of Zahl-Ford.

Mr. Ford's presentation on structural engineering blunders was quite informative and entertaining, and the Tulsa Post's David Steele disclosed how SAME can assist engineers in acquiring CEU's. If you missed it, see David for a review.

Appetizers and drinks were sponsored by March's spotlight firm:
Wallace Engineering

**REMINDER: Scholarship
Golf Tournament &
Environmental Contracts
Discussion
Thursday, May 1
INFO ON PAGE 2!**



Scholarship Golf Tournament & Environmental Contracts Discussion

Thursday, May 1

Mark your calendars now! The SAME's Tulsa Post is planning its annual scholarship golf tournament AND its **Environmental Contracts Discussion** for Thursday, May 1 at Clary Fields.

ENVIRONMENTAL CONTRACT DISCUSSION

(10:30 - 11:30 am before the tournament)

Mr. Clif Warren will be discussing the new Comprehensive Environmental Contracts being procured by the Tulsa District Corps of Engineers prior to the golf tournament! These multiple award task order contracts will enable the Corps to provide hazardous, toxic, and radiological waste (HTRW) investigation and remediation services and other environmental services throughout the Corps' Southwestern Division. Clif will provide insight into the uniqueness of the contracts, the timeline for acquiring the contracts and the roles and applications for them.

Clif has served as Chief of the HTRW (Hazardous, Toxic, and Radiological Waste) Design Center for the Tulsa District Corps of Engineers since mid 2001. In this role he is responsible for all aspects of the environmental restoration of HTRW sites being managed by the Tulsa District.

Prior to this assignment, Clif completed assignments as a senior project manager and a resident engineer responsible for military construction projects. Also, he has previously served as Chief of the Civil Design Section in the Tulsa District.

Clif is a registered professional engineer with an MS and BS in civil Engineering from OSU. He is a

member of SAME and the ASCE and serves on OSU's Civil Engineering Board of Visitors.

DIRECTIONS

Only minutes from downtown, Clary Fields is easily accessible to golfers in and around the Tulsa area. It is

located on S. 39th W. Ave. just off of the new Creek Turnpike extension west of Hwy 75. From downtown Tulsa, take Hwy 75 south to the Creek Turnpike. Go west on the Turnpike to the first exit, 49th West Ave., and take a right.

REGISTRATION INFORMATION

Shotgun Start — 1:00 pm

Lunch is on the individual attendees (at this point); however, the cookout after the tournament is included in the tournament fee.

\$80 for non-military personnel

\$70 for military personnel

Hole Sponsorship — \$100

Mulligans — 2 for \$10 (can be used for any shot except putts)

Sign up as an individual or as a team:

_____ Handicap/Average Score

_____ Handicap/Average Score

_____ Handicap/Average Score

_____ Handicap/Average Score

Email or fax your registration info to Bernie Siemens at: bsiemens@stl-inc.com or 918.477.7666 FAX (phone 918.477.7787)

Send your checks to: Yolane Hartsfield, Small Business Office
Tulsa District, Corps of Engineers
1645 S. 101st E. Ave.
Tulsa, OK 74037

WE NEED SPONSORS!

We are looking for firms to sponsor prize donations, lunch donations, and beverage cart sponsorships. Let Bernie know ASAP!

2003 STREAMER AWARD TRACKING



In this section of our monthly newsletter, we will be tracking all activities that count toward our awards and streamers for 2003. If you have an idea for an activity or program, please contact Donna Weinkauff, Programs Chairperson. Suggestions are always appreciated.

Communications Streamer— CPT Connor

Monthly newsletters to be submitted to national in a timely manner. Website to be maintained and utilized as a means of communication to members.

Education Streamer— Gene Lilly

February—

- \$1,000 scholarships awarded to: Ms. Rachna Rai (OU), Ms. Zhila Shariat (OSU), and Mr. Jeff Ostrander (OSU) in February.
- \$500 awarded to Rogers H.S.'s JROTC Program.

Exceptional Youth Program Streamer—Dawn Rice

February—

- Rogers H.S. JROTC presented the Colors.
- Roger H.S. awarded \$500 for its JROTC Program.

March—

- Young Member Event Meeting at Spaghetti Warehouse.

Membership Streamer— Robert Day

January—

- RVP Medal to Gene Lilly for outstanding service in 2002.

February—

- RVP Medal to Donna Weinkauff for outstanding service in 2002.

National Programs Streamer— John Roberts

- Post plans to hold 11 programs to include technical briefings, small business fair, DPW panel, annual scholarship golf tournament, etc.

Readiness Streamer—

Maj. Blickensderfer

- Post Readiness Committee headed by Maj John Blickensderfer and co-chaired by Pete Navesky.
- Readiness Program to be updated this year.

Sustainability Streamer— COL Suthard

- Monthly newsletter posts job openings "free of charge."
- Information on the Society's membership benefits are posted regularly in the newsletter, on the website, and at monthly meetings.

Swimmer Streamer— COL Suthard

January—Induction of new officers, State of the Post Address, and Scholarship Presentation.

February—USACE Field Force Engineering Program, A Report on Operature Enduring Freedom, Scholarship awarded.

March—Young Member Event, Presentation: Engineering Blunders.

Distinguished Post Streamer— COL Suthard

Criteria includes:

- Number and quality of programs and attendance.
- Regional, National, or other Conference Host.
- Membership growth per national average.
- Readiness Program.
- Young member and student member participation.
- Nomination of Post required by Post President or RVP.
- Membership growth in three categories: Individual Members, Sustaining Member Firms, and Young Members.
- Membership Retention.
- Post compliance with "Post Financial Guidelines" and timely submission of the "Annual Financial Summary Statement."

Grand Slam Streamer— COL Suthard

This award distinguishes a Post that not only has won the Distinguished Post Streamer Award, but also all of the other eight streamer awards.



SAME's HOT Topics

Support to US Service Personnel in the Persion Gulf. A program has been initiated to send care packages to US service personnel deployed to the Persian Gulf Region. To participate, contact Wally and Linda Heinz at heinz@4dv.net.

Intern opportunity! The SAME HQ mentoring program offers new Young Members an opportunity to shadow the National SAME Executive Director and key staff as they participate in a variety of high-level meetings and briefings at HQ. Interested members/corporate sponsors are to contact Mr. Matt Metcalf at mmetcalf@hntb.com.

Reminder to Sustaining Member firms: If you are interested in updating or providing additional information for the ongoing **Corporate Database Update** at SAME HQ, please contact Mr. Matt Metcalf at mmetcalf@hntb.com. This database is to be used for various purposes such as opening up networking possibilities, providing more or better information on the SAME web page, and/or updating information for the 2004 Directory of Sustaining Member Firms and Public Agencies.

For more information on these topics and more, visit the Tulsa Post's website at:

<http://www.same.org/tulsa/>

Sustaining Member Firms

A&M Engineering & Environmental	Franvel Corporation
Aerial Data Service	Guy Engineering Services, Inc.
APTi Group	HNTB
ARCADIS	Horizon Environmental Drilling
Arthur Langus Layne LLC	Hyrogeologic, Inc.
ASSET Group Inc.	Jacobs Engineering Group
Atkins Benham, Inc.	Labat-Anderson Inc.
BKL, Inc.	Lopezgarcia Group
Black & Veatch Special Projects Corp.	MACTEC Engineering & Consulting
Burns & McDonnell	MKM Engineering
Cabrera Services Inc.	Panega Inc. DBA Panega Group
Cape Environmental Management Inc.	Paragon Proj. Resources, Inc.
CDM Federal Programs Corp.	SAIC
CH Guernsey & Company	Southwest Lab & Affiliates
CH2M Hill	Standard Testing & Engineering Co.
Coleman-Johnston-Clyma, Inc.	Stanley Consultants, Inc.
Craig & Keithline	The Ross Group Construction Corp.
CRC & Associates, Inc.	Transystems Corporation
Cyntergy LLC	Tulsa District USACE
Dewberry Design Group, Inc.	URS Corporation
Dynamac Corporation	Washington Group International Inc.
Ecology & Environment Inc.	Weston Solutions, Inc.
Environmental Chemical Corp.	Willbros Engineers, Inc.

Check It Out!

SAME Headquarters continues to expand its links and support to SAME members. If you haven't visited lately, please check it out at:



<http://same.org>

Don't forget the Tulsa Post's website — it's a wealth of information for members!

<http://www.same.org/tulsa/>

Help Wanted...

CRC & Associates, Inc. (CRC), an SAME Sustaining Member firm, has an opening for a chemist. The position requires a B.S. in chemistry and 2+ years of experience conducting laboratory analyses using a GC.

Contact: Vernon Ashworth, Director of Operations, 918.582.9110 or vashworth@crcassocaitesusa.com

The **City of Claremore**, an SAME Sustaining Member firm, has an opening for a civil engineer. Salary range is \$47,000 - \$72,000 and is based on experience.

2003 OFFICERS & BOARD MEMBERS

COL Robert Suthard, Tulsa COE
President

LTC Stephen Zeltner, Tulsa COE
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Young Member

Maj. John Blickensderfer, OKANG
Readiness

Gene Lilly, Tulsa COE
Scholarship

Kathy Smith, Cyntergy LLC
Newsletter/Publicity

David Steele, Tulsa COE
Professional Growth

Chuck Andrle, DPW/E City of Claremore
Past President/Fellows

LTC Zeltner & John Roberts, Tulsa COE
Awards & Streamers

Contact: Chuck Andrle, Director of Public Works & Engineering, 918.341.2066 or candrle@claremorecity.com

Engineer for a Day

by Ramona Wagner

The Tulsa Post of SAME sponsored six high school students at the "Engineer for a Day" breakfast held February 21, 2003, at the Hilton Tulsa Southern Hills. Clif Warren, Chief, Hazardous, Toxic, and Radiologic Waste Center, and Ramona Wagner, Assistant Chief, Engineering and Construction Division, attended the breakfast and represented the Corps of Engineers.

Four of the students were from Memorial High School: Ashley Smith, Kim Sorrels, Laura Brown and Jonathan Landis and two were from Holland Hall High School: Sarah Catalano and Taylor Johnson. The group included sophomores, juniors and seniors. The speakers at the Breakfast were Matt Olson and Rebecca Ragar and presented "Testing GrAINS in Zero Gravity." The GrAINS (Granular Agglomeration In Non-gravity Systems) project is a University of Tulsa student-centered activity developing an experiment to be flown on a future NASA Space Shuttle mission.

After breakfast, the students visited the Corps offices at 1645 S. 101st E. Ave. Clif and Ramona made a 30-minute presentation discussing the role of engineers within the Corps of Engineers. Then Russell Holeman, Ted Holsomback, John Daylor and Mary Ann Duke provided a demonstration on reservoir forecasting and stream gaging. The students ate lunch at Goldies and had a chance to talk to four recently graduated engineers who worked in various parts of the Corps. After lunch, the students were taken to the Skiatook Spillway Modification project and Patrick Beard, Mechanical Engineer, gave the students a tour.

The Corps of Engineers is committed to the recruitment of youth into science and engineering and looks forward to participating in this worthwhile program many years into the future.

Tulsa Science Fair

by Pete Navesky

The Department of the Army, through the U.S. Army Research Office, has been

sponsoring special awards in Science and Engineering Fairs across the United States since 1960. The Tulsa District of the United States Army Corps of Engineers is proud to continue this tradition on behalf of the U.S. Army at the 2003 Tulsa Regional Science Fair, the 45th annual event in Tulsa.

The Army awards program recognizes freshman, sophomore, junior, or senior high school student projects in the following categories:

1. Engineering
2. Mathematics and Computer Science
3. Environmental Sciences (Including Earth, Space, and Environmental Categories)
4. Life Sciences (Including Behavioral and Social Science, Botany, Medicine and Health, Microbiology, and Zoology).
5. Physical Science (Including Biochemistry, Chemistry, and Physics)

The Army award program also recognizes a Team Project that may have been entered in any of the above categories. The projects are judged based upon the following overall criteria:

1. Overall Creative Ability
2. Thoroughness
3. Scientific Thought or Engineering Goals (as applicable to the category)
4. Demonstrated Skills
5. Clarity of Information Presented

Judges for the U.S. Army Science and Engineering Fair awards at this year's event were G.T. Gowda, Hugh Evans, Bill O'Neill, and were led by Peter Navesky. This year the Tulsa District also provided some judges who assisted by judging Tulsa Regional Science Fair awards. These judges were Andy Obrochta, Rusty Roberts, Sandra Stiles, and Frank Roepke. Pete Navesky did awards preparation and on Sunday LTC Stephen Zeltner, assisted by Pete Navesky, conducted the awards presentation.

The U.S. Army is proud to recognize the following students and their projects as the winners in their respective categories in the 2003 Tulsa Regional Science Fair. The awards consist of a Certificate of Achievement signed by the Secretary of the Army, Mr. Thomas E. White, and a \$50 U.S. Savings Bond.

LIFE SCIENCES

ALICIA McDERMOTT, GRACE FELLOWSHIP CHRISTIAN — JUNIOR

A Look at Teens in Trouble: Using Simple Ethics to Target Potentially Troubled Teens

EARTH, SPACE & ENVIRONMENTAL SCIENCES

MELISSA D. HANNAN, GRACE FELLOWSHIP CHRISTIAN — JUNIOR
What Absorbs Oil Best?

MATHEMATICS & COMPUTER SCIENCE

JARRETT MILLER, DOVE SCIENCE ACADEMY — SOPHMORE
Minimization Dilemma

ENGINEERING

MICHAEL D. CAP, GRACE FELLOWSHIP CHRISTIAN — SOPHMORE
Which Type of Wood Absorbs and Retains the Most Moisture, and Which Type of Wood Has the Greatest Rate of Evaporation for the Moisture Inside the Wood

PHYSICAL SCIENCE

ALEX WATKINS, GRACE FELLOWSHIP CHRISTIAN — FRESHMAN
Which Color of Light Gives off the Most Heat?

TEAM CATEGORY

FROM VICTORY CHRISTIAN — 2 SOPHMORES, BONITA E. FRANKLIN and CANDACE LEE
A Brush With Diabetes

Also, the U.S. Army is proud to recognize one student as the Most Outstanding Army Project winner of the 2002 Tulsa Regional Science Fair. In addition to the Certificate of Achievement and \$50 U.S. Savings Bond this student receives the U.S. Army Bronze Medallion for Science and Engineering Excellence.

OVERALL WINNER

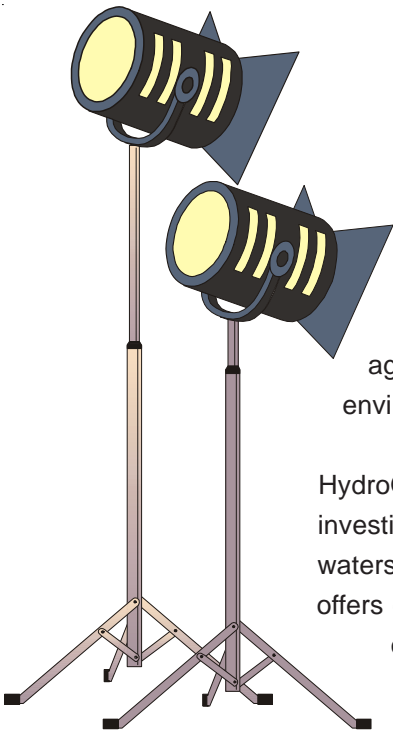
MATTHEW J. SCHILLACI
VICTORY CHRISTIAN — SOPHMORE
Electronic Mass Accelerator: Phase Two

The Tulsa Post of the Society of American Military Engineers is proud to recognize the three top scoring projects in the 2003 Tulsa Regional Science Fair using the Army Science Fair judging criteria, and presented Certificates of Achievement to:

MATTHEW J. SCHILLACI
VICTORY CHRISTIAN — SOPHMORE,
Electronic Mass Accelerator: Phase Two

MELISSA D. HANNAN
GRACE FELLOWSHIP CHRISTIAN — JUNIOR, What Absorbs Oil Best?

VICTORY CHRISTIAN — 2 SOPHMORES,
BONITA E. FRANKLIN, CANDACE LEE
A Brush With Diabetes



April Spotlight Firm: HydroGeoLogic Inc.

HydroGeoLogic is a full-service environmental engineering firm with over 220 professionals and 16 years of experience providing innovative and cost-effective solutions to restoration problems. For the USACE, USAF, other DoD agencies, DOE, EPA, and other government clients, HydroGeoLogic provides environmental site investigation, remediation, and compliance services.

HydroGeoLogic's restoration capabilities include environmental engineering, site investigations, remediation and construction, long-term operations and monitoring, watershed restoration, and unexploded ordnance remediation. HydroGeoLogic also offers exceptionally strong multimedia fate and transport analysis and remedial optimization capabilities. From exposure and risk assessment through remedial implementation, HydroGeoLogic has an unsurpassed capability to develop and apply simulation and optimization models to support all phases of the restoration effort.

An employee-owned company, HydroGeoLogic has maintained continuous growth in both revenues and staff since its incorporation in 1987. The Engineering News Record listed HydroGeoLogic as one of the top 200 environmental firms for 2002. Since 1994, HydroGeoLogic has supported the Tulsa District and its clients as a prime contractor. Quality work for Tulsa and more than a dozen other USACE Districts and Centers has earned HydroGeoLogic an ACASS rating of excellent for HTRW services.

The DoD honored HydroGeoLogic in 2002 and again in 2003 with the Nunn-Perry Award for successfully advancing the technical, business development, and infrastructure capabilities of its protégé, MicroPact Engineering, Inc. HydroGeoLogic is distinguished as one of few graduates of the SBA's 8(a) program to receive this award two years in a row.

Headquartered in Herndon, Virginia, HydroGeoLogic presently maintains offices in Albany, NY; Atlanta, GA; Austin, TX; Denver, CO; Oak Ridge, TN; Overland Park, KS; Phoenix, AZ; Richland, WA; Sacramento, CA; San Antonio, TX; and Waterloo, Ontario, Canada.

