



Northeast Texas Chapter

Matrix

3050 Regent Blvd., Suite 100

Irving, Texas 75063

VOLUME 17 NUMBER 1

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JANUARY 2002

January Meeting

Strengthening of Concrete Structures Utilizing FRP Composites and Conventional Techniques

Bobby Gould
Structural Preservation Systems, Inc.

January 17, 2002
City Place
N. Central Expressway & Haskell Ave.

This seminar will present technical information and case studies about strengthening techniques. Topics to be discussed include new load testing methods, and strengthening applications using composite FRP materials, external post-tensioning, and enlargement techniques.

Specific topics include:

1. Strengthening Process and Load Testing
2. FRP Materials and Forms
3. Installation Techniques
4. Flexural, Shear and Confinement Strengthening Case Studies

Bobby Gould is *Business Development Manager for Structural Group*, the largest dedicated concrete infrastructure repair contractor in the US. Bobby has eleven years of experience in the construction industry, including a background in structural, mechanical and general contracting. He specializes in the development of projects involving structural repair and strengthening of concrete and steel, utilizing FRP Composites, external post-tensioning, enlargement, and advanced load testing techniques.

Meeting Schedule

11:30 - 12:00	Registration;
12:00 noon	Lunch

PLEASE MAKE RESERVATIONS IF YOU PLAN TO ATTEND!! Reservations must be made by Tuesday, January 15 at noon. The cost will be \$21.00 per person for those with reservations and \$25.00 for those without reservations. The ACI Voice Mail Reservation number is **Metro (972) 647-6794**.

IF YOU REGISTER BUT DO NOT ATTEND THE MEETING AND DO NOT CANCEL YOUR RESERVATION BY 3/15 6PM, YOU WILL BE BILLED \$25 TO COVER THE COST OF YOUR LUNCH.

<p>Bryant Consultants, Inc.</p> <p>4383 Westgrove Dallas, TX 75248</p> <p>BRYANT</p> <p>John T. Bryant, Ph.D., P.E., P.C.E. President Tel: (972) 713-9109 Fax: (972) 713-9171</p> <p>Geotechnical • Geo-structural • Geological • Forensic • Materials Engineers & Scientists</p>	<p>WJE Wis, Janney, Elstner Associates, Inc. Engineers, Architects, Material Scientists</p> <p>Facade Assessment Concrete Petrography Nondestructive Testing Repair</p> <p>Structural Investigation Historic Preservation Materials Testing Rehabilitation/Restoration</p> <p>Austin (512) 835-0940 Dallas (972) 550-7777 Houston (281) 591-4720</p> <p>www.wje.com</p>
<p>FUGRO SOUTH, INC.</p> <p>Geotechnical Engineering and Materials Testing</p> <p>2880 Virgo Lane Dallas, Texas 75229 Phone : 972-484-8301 Telefax: 972-620-7328 tcypert@fugro.com</p> <p>TOM G. CYPERT, C.E.T. Manager Materials Testing Services</p>	<p>TEREA-MAAT Consulting Engineers Geotechnical, Environmental Construction Materials Testing</p> <p>R. Carl Lee, S.E.T. Construction Materials Manager</p> <p>9400 Grand Drive, Bldg. 05, Fort Worth, Texas 76118 Ph: 817-884-9363, Metro: 814-963-2602, Fax: 817-884-9430 R08 north • Dallas • Houston</p>
<p>Robert D. Ray, S.E.T. Construction Materials Manager</p> <p>ENGINEERING CONSULTING SERVICES, L.T.D. Geotechnical • Construction Materials • Environmental</p> <p>4950 Keller Springs Road - Suite 480 - Addison, TX 75001 (972) 392-3222 - Fax: (972) 392-0102 rdray@ecscinc.com</p>	<p>Sika Innovative Concreting Solutions For 87 Years</p> <p>1-800-527-7452</p>
<p>Autonomous Engineering • Construction Materials Testing Subsurface Investigation • Tunnel Examination Plans Pavement Inspection • Soil • Concrete • Steel • Asphalt</p> <p>Gene Boss</p> <p>Hooper Engineering Laboratories, Inc. 4075 Housley Hill Lane • Dallas, Texas 75229 • (972) 351-4419 CMT Division (972) 351-4471 • Fax (972) 351-4146</p>	<p>Steve M. Taylor Administrative Sales Construction Products Division</p> <p>GRACE</p> <p>Toll Free 1-877-423-6481 (972) 242-3992</p> <p>W.R. GRACE & Co. 1420 Century Drive, Suite 400 Carrollton, Texas 75006 Fax: (972) 242-8112 Pager: (972) 328-0166</p>
<p>GARY HERRON TECHNICAL SERVICES DIRECTOR</p> <p>REDI-MIX CONCRETE</p> <p>OFFICE: (817) 485-4850 PAGER: (817) 824-9833 MOBILE: (817) 229-6660 HOME: (254) 845-2144 FAX: (817) 485-5985</p> <p>5517 DENTON HWY. HALTOM CITY, TX 76118</p>	<p>Sport Fab-Crete PO. BOX 13980 FORT WORTH, TEXAS 76119</p> <p>Design • Build General Contractor Precast Concrete Manufacturer</p> <p>DAVID BLOXOM President</p> <p>(817) 478-1137 Metro: (817) 572-0351 Fax: (817) 561-2544</p> <p>ACI</p>
<p>PRO MIX technologies</p> <p>Chemical admixtures & services focused on serving the needs of concrete designers, producers, contractors and end users.</p> <p>1-800-936-7553</p>	

Matrix Ads

- Matrix Staff

The time has come to think about renewing ads for the *Matrix*. For a paltry \$75 your business card will appear 6 times a year before the best and brightest of the Metroplex concrete cognoscenti. Also, we expect to have the *Matrix* posted on both our own website and the ACI International website, so you will get more exposure than ever before.

If you wish to place an ad, send your business card and a check for \$75 made payable to the Northeast Texas Chapter ACI c/o Jay Shilstone, Shilstone & Associates, Inc., 9400 N. Central Expy., #105, Dallas, TX 75231. For more information, call Jay Shilstone at 214-361-9681.

Concrete Class

- Jim Ellis

It's almost time for another school to start. February 5, 2002 is set for the beginning class on cement. Have you signed-up yet? Enclosed is a registration form for your convenience. Make as many copies as you need.

The continuation of two school terms on "The Basic Knowledge of Concrete" per year is to give you the flexibility to pick the best time your people can attend. It allows the opportunity to add to their knowledge making them even more valuable to your staff than when you first hired them without having to wait a year to enroll them. In these classes we try to cover as many aspects of our industry so as to make your student a well-rounded employee capable of some understanding in many fields.

All are welcome to attend. Students in the past have come from a wide variety of field such as: architects, engineers, independent laboratories, construction companies, ready mix companies, precasters, oil companies, chemical and mineral admixture companies and college students, to name a few. Wait no longer, sign your people up now.

Anti-Trust Compliance

It is the policy of the Northeast Texas Chapter of ACI to prohibit all activities that result in restraint of trade or unfair methods of competition.

MATRIX is the official publication of the Northeast Texas Chapter of the American Concrete Institute. MATRIX is published bi-monthly and distributed free of charge to Chapter members and affiliated non-members. Editorial contributions published by MATRIX may not be reproduced in whole or in part without written permission. Due to the nature of this publication, editorial contributions may not be sold. Editorial opinions expressed by contributing authors do not necessarily reflect the opinion of the Chapter. Appearance of individuals, companies, products or services in MATRIX does not constitute endorsement by the Chapter. Editorial contributions are welcomed. Copy deadline is the 15th of the month preceding date of publication. Advertising rates are available upon request. The Northeast Texas Chapter of ACI is a non-profit organization and chartered by the American Concrete Institute. MATRIX is published as a service to the concrete industry to provide a forum for topics within the purview of ACI and to serve as notice as required by Chapter By-Laws.

Calendar

- Matrix Staff

Seminars for 2002

(ACI National has scheduled the following seminars for our local chapter to co-sponsor)

- April 9** – Troubleshooting Concrete Construction
- May 10** – Slab on Ground (TBA) - 318 Building Code (TBA) - Masonry Code (TBA) - Concrete Parking Lots & Site Paving

ACI Technical Meetings

(Program meetings are usually held on the 3rd Thursday every other month)

- March 21** – Joint meeting with ICRI with Dr. Horboel Wheat of UT- Austin
- May 16** – (to be arranged)
- July 18** – Field Trip (to be arranged)
- Sept 19** - (to be arranged)
- Nov 21** – Annual meeting

Chapter Board Meetings

New schedule for Chapter Board Meetings:
Meetings will follow the technical meeting beginning at about 2 p.m. at City Place except the November meeting. December Board Meeting will be at UTA Conference Room on Dec. 12, 2002.

- Concrete Class** - February 5 (see *Matrix* article)
- Certification** - Training- Feb. 2; Exam- Feb. 9 (see enclosed)

The collage contains four business cards:

- Top Left:** Robert D. Kap, S.E.T., Concrete Materials Manager. ENGINEERING CONSULTING SERVICES, LTD. Geotechnical • Conservation Materials • Environmental. 4930 Keller Springs Road • Suite 480 • Addison, TX 75001. (972) 292-3222 Fax: (972) 292-4191 rdkap@ecslimited.com
- Top Right:** Gene C. Marter, P.E., Executive Director. AMERICAN CONCRETE PAVEMENT ASSOCIATION. 602 W. 11th St., Box 4700 Austin, Texas 78761. Ph: (512) 554-7827 Ph: (512) 482-1200 Fax: (512) 284-7264
- Bottom Left:** LIS ALPHEE LITTLETON, C.E.T. Pre-Ident. Office: (972) 218-8378 Mob.: (214) 232-7343 FAX: (972) 228-8388. Littleton Inspection Services P.O. Box 381226 Dallas, TX 75128. Construction Consultant • Inspection & Testing
- Bottom Right:** PSI Information To Build On. Thomas J. Whaley, Jr., P.E., Vice President. Environmental Consulting • Wetland Delineation. Adversity Consulting • Geotechnical Engineering. Conservation Materials Testing and Engineering. 800-635-3533. Dallas • Dallas East • Fort Worth • Arlington • McKinney

Financial Statement

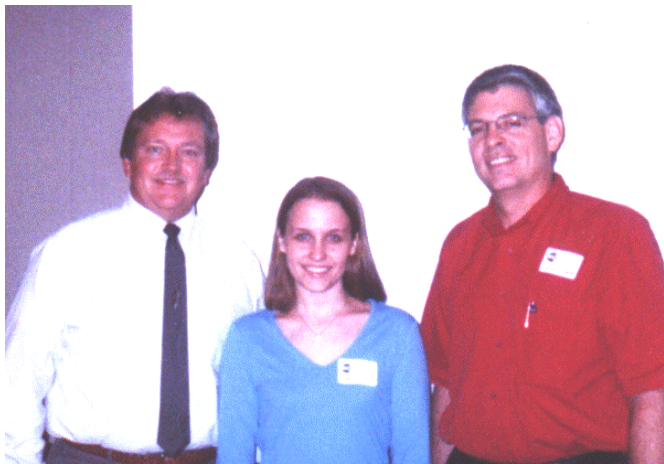
- Robert Henry, secy.

ASSETS	
Cash and Bank Accounts	\$29,159.65
Investments	
Franklin Inc. Fund-Schlrshp	\$12,633.27
SB Convention Bond	\$20,428.54
SB Scholarship Bonds	\$99.55
SB Scholarship Interest	\$1819.59
Scholars-Return of Principal	\$2428.43

TOTAL Investments	\$37,409.38

TOTAL ASSETS	\$66,569.03
LIABILITIES	
	0.00

OVERALL TOTAL	\$66,569.03



2001 Scholarship winner presented at Sept. 20 meeting.
L-R: Aaron Kwast, Scholarship Committee Chairman;
Sara (Katie) Fields, Recipient of \$1000 scholarship.
Expected graduation date Dec. 2001.
Lou Cook, Chapter President

Please pay dues promptly!

Dues notice for 2002 were mailed out to each current member on or about Dec. 20, 2001. Please watch for it and pay it promptly by returning the completed renewal application with your check for \$20.00 to Treasurer Henry as instructed on the application.

President's Message

I hope that everyone made it through the holidays and are ready to face the New Year head on.

I want to thank you for the honor of being appointed to serve you as President of the Northeast Texas Chapter of ACI. I am looking forward to the challenges of the uncertain year. We have a very dedicated "professional" Board of Directors that are willing to do what it takes to make your chapter successful.

Someone ask me what ACI's purpose was. My reply was that we are an organization that was formed to educate. Not only do we write specifications to guide in the building of better structures, but also we have one of the best education and certification programs in the country. I strongly urge you, if you have not already, to attend the next ACI Short Course scheduled for February. Everyone in the construction business, old or new can benefit from this course. Our lunch meetings are a great way to learn about the latest in concrete technology and techniques, also a great time to fellowship and exchange ideas. Education is the key to success, and the N. E. Texas Chapter of ACI is a great place to get that education.

I hope to see all you at our January 17th meeting..

- Carol Dunn

OFFICERS:

President: Carol Dunn 972-224-5525
Vice President: Curtis Martin 972-773-2244
Secy/Treasurer: Bob Henry 817-272-2752

ONE YEAR DIRECTORS (2002):

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Rod Bond 972-647-3802
Chad Burkey 972-551-3397

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Gene Marter 903-564-7862
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Weath Bryant 214-522-6438
Stan Walczak 817-293-0111

PAST PRESIDENT:

Lew Cook 972-772-6010

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Education: Jim Ellis 817-626-9600
House: Perry Kakara 972-285-0154
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Program: Carol Dunn 972-224-5525
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Student: Bob Henry 817-272-2752
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Printer: Taylor Management
Article Fax: TBA

Northeast Texas Chapter ACI

3050 Regent Blvd. Suite 100
Irving, TX 75063-3107

**Make your reservations early!!!
Call (972) 647-6794**

American Concrete Institute
Concrete Technology Short Course

Presented By

The Northeast Texas Chapter

14 sessions

6:30—930 pm, Tuesdays and Thursdays

February 5, 2002 to March 21, 2002

At

**The Hanson Downtown Facility
240 Singleton Blvd.
Dallas, Texas**

Instructors are local industry volunteers who have the combination of technical knowledge and practical experience in their field. Texts and a binder will be furnished to each attendee. Certificates of completion and a one year membership in the local chapter of ACI will be presented upon completion of the course. Registration fee is \$300.00 per person payable in advance by check. Mail to Jim Ellis, 880 North Houston St., Fort Worth, Texas 75106. Make the check out to The Northeast Texas Chapter ACI. Your application will be acknowledged. Registration available up to the first night. Please contact me at 817-626-9600 (fax 817-626-9634 or 817-625-5580) if you have any questions or desire further information.

Registration Form

Name & Title _____

Company _____

Address _____

Business Phone _____

Fax Number _____

E-Mail Address _____

ACI CONCRETE FIELD TESTING TECHNICIAN GRADE I TRAINING & CERTIFICATION EXAMINATION

The North Texas Chapter of ACI will be conducting a certification examination on February 3, 2002. This examination will be at the Hanson Technical Services Lab.

To prepare for the examination, the certification committee needs everyone to take the exam to fill out a registration form. A check for **\$220.00** per person must be sent in with the registration form before January 21, 2002. *There must be a minimum of ten- (10) applicant to hold the test.* This fee covers the cost of the full examination (written and performance) and lunch. In the event you need to retake only one portion of the exam, see for the fee below. Remember that your certification expires five years from the date of your most recent successful examination and you must be re tested before expiration of your current certification to retain it.

Check-in for examination will began 7:15 a.m. An ACI demonstration video will be shown from 7.15 to 9.00 a.m. From 9.00 to 10.00 a.m., the written portion of the exam will be conducted. From 10.00 a.m. to??? The performance portion of the exam will be conducted. We plan to be completed by no later than 5.00 p.m. Examinee should bring at least two No. 2 lead pencils, an eraser, and a calculator. The exam requires a working knowledge of the following ASTM Standard Methods or Procedures: C-172, C-143, C-231, C-173, C-138 C-31 and C-1064. If you should have any questions, please call

Vartan Babakhanian at Phone: (972)-260-3646
Fax: (972)-260-3655

Registration Form ACI CONCRETE FIELD TESTING TECHNICIAN GRADE I

TRAINING & CERTIFICATION EXAMINATION

February 2 & 3, 2002 (Saturday & Sunday 7:15 a.m.)

First Name: _____ Last Name _____
 Home Address: _____ Social Security No: _____
 City: _____ State: _____ Zip Code: _____
 Employer: _____ Phone: _____

*** Registration Is Non Refundable ***

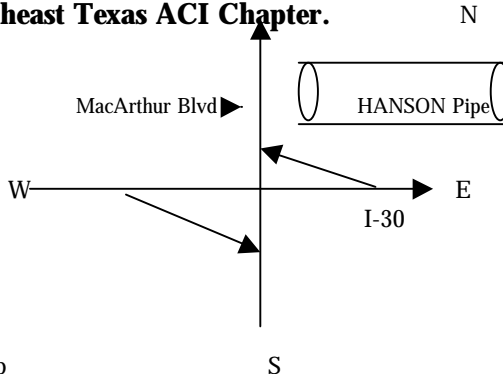
Examination Needed (Check one):

- Full Certification Exam (written & Performance) **\$220.00**
- Written Certification Exam (and Retest) \$100.00
- Performance Certification Exam (and Retest) \$110.00
- Training all day on 02-02-02 Saturday, **\$250.00**
- Training hands on & Lecture including the book

Please make the checks payable to Northeast Texas ACI Chapter. N

Exam Location: @

Hanson
Technical Services Lab
1000 MacArthur Blvd.
Grand Prairie, Texas 75050



Mail Checks & Registration Form to: ACI
c/o Vartan Babakhanian, P.E.
Hanson Technical Services Lab
1000 MacArthur Blvd.
Grand Prairie, Texas 75050

Meet you @ the Gate