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## MARCH 2004 NEWSLETTER

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### SYRACUSE ASCE BOARD MEETING NOTES

February 3, 2004 6:00 PM

TDK ENGINEERING, CAMILLUS, NY 13031

*Attendees:* Tom Trytek Tom Horth Lance Ketcham  
Jason Kantak

#### 1. PRESIDENT'S REPORT

- We have not received any response for a second representative to accompany Dawn Penniman to the Zone I conference in NYC.
- Good turnout for Geotechnical meeting presented by Dr. Shobha Bhatia (Syracuse University), Mike Clements (Huesker), and Mitch Carmody (Bongiovanni).
- April 29<sup>th</sup> joint dinner meeting at Cornell View of Lake. Bill Henry is speaker.
- March 12<sup>th</sup> TACNY "Celebration of Technology" awards banquet at Holiday Inn, Liverpool. Kathleen Corrado, PhD is speaker.
- April 13<sup>th</sup> meeting with ACECNY regarding continuing education at the Wyndham Hotel at Carrier Circle.
- Build 'em & Bust 'em competition will be held on February 14<sup>th</sup> at

Syracuse University.

**2. PROGRAMS**

**A. President Elect (Tom Horth)**

- Technical society council meeting went well and topic was to discuss strategies on how other technical societies in the area are handling member participation.
- Need 12 outside judges for Build 'em & Bust 'em competition.
- February 26<sup>th</sup> at 6:00pm meeting "Dreams & Schemes" at the Onondaga Historical Museum. Dinner to follow at Brick Alley Grill.

**3. ADJOURNMENT**

- Meeting adjourned.

NEXT MEETING – Tuesday, March 2, 2004 at 6:00 pm at TDK Engineering.

Respectfully submitted,

Jason G. Kantak, P.E.  
ASCE Syracuse Section Secretary

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**ASCE SYRACUSE SECTION BOARD MEMBERS  
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ASCE Syracuse Section  
**2003-2004 PROGRAM LIST:**

MARCH

03/25/04	DR. GEORGE KYANKA, SUNY ESF: PRESENTATION ON TIMBER ENGINEERING
<b>APRIL</b>	
DATE TBA	JOINT MEETING WITH CNYAPG: PRESENTER: BILL KAPPEL - USGS <a href="http://www.cnyapg.org">http://www.cnyapg.org</a>
<b>MAY</b>	
DATE TBA	JOINT MEETING W/ ITHACA SECTION <a href="http://www.asceithaca.org/">http://www.asceithaca.org/</a>
<b>JUNE</b>	
DATES TBA	THIRD ANNUAL ASCE SYRACUSE SECTION GOLF OUTING TOUR OF MIDDLE AGES BREWERY!! <a href="http://www.middleagesbrewery.com">www.middleagesbrewery.com</a>
<b>AUGUST</b>	



ASCE JOINT MEETING: ITHACA AND SYRACUSE SECTIONS

**USE AND CONSTRUCTION OF DRILLED SHAFT FOUNDATIONS**

BY

**FRED H. KULHAWY, PhD, PE, GE**

PROFESSOR OF CIVIL/GEOTECHNICAL ENGINEERING

CORNELL UNIVERSITY, ITHACA, NY

**March 18, 2004**

Holiday Inn, Cortland, NY

Exit 11 off I-81

Cash Bar

5:30 PM

Dinner                    6:30 PM  
Presentation            7:30 PM  
Price:                 \$20.00 per member or guest, students \$10.00  
Buffet:                Marinated Grilled Chicken, Vegetarian Stir Fry and Top Round of Beef  
with  
                              Salad, Baby glazed carrots, Greek roasted potatoes and Chocolate  
Crepes

Reservations: By Monday at 9:00am on March 15, 2002  
Beth Ann Smith, P.E., Stearns & Wheler 315-655-8161 [basmith@stearnswheler.com](mailto:basmith@stearnswheler.com)

*The topic: (Continuing Education Credits are pending approval)  
This seminar will address the overall behavior of drilled shaft foundations (also known as drilled piers, caissons, bored piles, etc.). After some historical notes, the use of drilled shafts will be described. The three major construction methods will be discussed for good to poor ground conditions, and key issues of cage design and concreting will be noted. Various types of shaft construction equipment will be illustrated and described for ground conditions ranging from soil to rock. Then the basics of design for constructability will be presented, addressing the broad issues of interaction among design, construction, and inspection. Some final observations will be made to show the variations between drilled shafts and several other types of drilled foundations, including augercast piles, pressure-injected footings, and micropiles.*

Professor Kulhawy is known internationally for his research on drilled foundations over the past 30 years. This seminar is an opportunity to learn about this major foundation type from an expert on the subject.

Dr. Fred H. Kulhawy is Professor of Civil/Geotechnical Engineering at Cornell University, Ithaca, New York. He received his BSCE and MSCE from the New Jersey Institute of Technology and his PhD from the University of California at Berkeley. He is licensed in several states as a Professional Engineer, Civil Engineer, or Geotechnical Engineer. His teaching and research focuses on foundations, soil-structure interaction, dams, soil and rock behavior, and geotechnical computer and reliability applications, and he is the author of over 300 published technical papers and reports. He has given more than 1020 lectures around the world and has received numerous awards for his work from ASCE, ADSC, IEEE, and others. He also has extensive experience in geotechnical engineering practice with several consulting firms, and he has been a private consultant for major projects on six continents, with over 380 assignments completed to date.

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## HISTORY AND HERITAGE

**Glenn D. Holmes and the Syracuse Intercepting Sewer Board**

The engineering department of the Syracuse Intercepting Sewer Board has been under the direction of Mr. Holmes since its inception in 1907. Its work has included the design and construction of the intercepting sewer systems; the improvements of Onondaga Creek, Harbor Brook and Furnace Brook; sewage treatment works, sewage disposal and other related problems. In accepting the appointment as chief engineer of the board, Mr. Holmes brought to the office a wide range of experience gained through service in a number of important positions.

Mr. Holmes was born in Alabama, NY in 1873. He was educated in the Batavia public schools and graduated from Cornell University in 1896 with the degree of Civil Engineer. Mr. Holmes was placed in charge of construction work as assistant engineer in the Department of State Engineer of New York. In 1898 Mr. Holmes accepted a position with the United States Board of Engineers on Deep Waterways, and was engaged in topographic surveys and investigations of the St. Lawrence route for a ship canal from the Great Lakes to the Atlantic Ocean.

From September 1899 to May 1900 he was employed by Wallace C. Johnson, consulting engineer, of Niagara Falls, NY to make investigations for the development of water power on the Raquette River and for water works projects in Ontario, Canada. In June 1900 he accepted appointment on the staff of the State Engineer and was placed in charge of surveys for the proposed Barge Canal. In January 1901, Mr. Holmes secured a leave of absence to go to Philadelphia, PA to work on the improvement, expansion and filtration of the city's water supply. In 1903 he accepted appointment with the Commission of Additional Water Supply of New York City.

In 1904 Mr. Holmes returned to the Department of New York State Engineer as an expert computer and was employed on investigations and reports in connection with hydraulic problems, designs of structures, and plans for the Barge Canal. Promotion followed to supervising engineer and later to engineer of water supply. This latter position included responsible charge of work in connection with storage dams and reservoirs, regulating works, feeders, relocation of highways, etc. This position was relinquished in 1907 to organize and direct the work of the Syracuse Intercepting Sewer Board.

Mr. Holmes was elected Associate Member of ASCE in 1903, Member in 1907 and a Director in 1923. He was a charter member and Vice-president of the Syracuse Section in 1923. He was also a member of the Technology Club of Syracuse.

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## **NEXT SCHEDULED BOARD OF DIRECTORS MEETING**

- When: Tuesday, April 6, 2004 @ 6:00 pm
- Where: TDK Engineering Associates, Camillus, NY