

OUTGOING PRESIDENT'S MESSAGE

I would like to take the time to thank each member of ASCE's Syracuse Section for allowing me the opportunity to serve as their President for the 2003-2004 year. It has been a very fulfilling experience for me and I am grateful to have worked with such a talented and professional board.

We have many interesting programs scheduled for the next year. I encourage each member to actively participate in some manner to constantly remind the public of the great role that Civil Engineers do to promote the well being of our society.

To each board member, thank you for committing your time and resources to this organization and for making this past year a great success!

I wish the best of luck to our new President, Tom Horth and the remaining 2004-2005 board members.

Have a safe and relaxing summer!

Sincerely,  
Tom

2003-2004 ASCE President  
Syracuse Section

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**TDK ENGINEERING ASSOCIATES, P.C.**

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**ASCE SYRACUSE SECTION  
2004 PROGRAM LIST**

MAY	
DATE TBA	Joint Meeting w/ Ithaca Section <a href="http://www.asceithaca.org/">http://www.asceithaca.org/</a>
June	
DATES TBA	Third Annual ASCE Syracuse Section Golf Outing- June 25 Tour of Middle Ages Brewery!! <a href="http://www.middleagesbrewery.com">www.middleagesbrewery.com</a>
AUGUST	

**THIRD ANNUAL GOLF OUTING, FOXFIRE GOLF CLUB, JUNE 25, 2004**

ASCE Syracuse Section would like to invite you to our third annual golf outing. Each year we have had a great time with a good turnout. The 2004 tournament is shaping up to be even better. Compete amongst other teams to see who will earn bragging rights.

<p>When: June 25, 2004 Registration: 9:30am Tee off: 10:00 am</p> <p>Format: Four-Person Captain &amp; Crew</p> <p>Cost: \$380 per team (\$95.00 per person). Fee includes green fees, golf cart, hot dog or hamburger and beer or soda at the turn. Hot &amp; Cold buffet and awards banquet afterward.</p>	<p>Prizes: Winning Team Closest to the Pin (Men &amp; Women) Longest Drive (Men &amp; Women) Skins 50/50 Raffle</p>
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Sponsors: Corporate tee sponsors available for \$50.00. Please provide company logo by June 18th. Door prizes and/or donations are also welcome.

Team Members	Company	Daytime Phone or email
1.		
2.		
3.		
4.		

For further information, contact Jason Kantik (672-8726, [jkantik@tdkengineering.com](mailto:jkantik@tdkengineering.com)) or Lance Ketcham (446-9120, [lsk@bbl-inc.com](mailto:lsk@bbl-inc.com)).

Please show your support and complete the registration form and send or fax your reservation to: Jason Kantik – Secretary, c/o TDK Engineering Associates, P.C., 19 Genesee Street, Camillus, New York 13031, Phone: (315) 672-8726 · Fax: (315) 672-8732.

Please make checks payable to ASCE – Syracuse Section. Proceeds will go to the Syracuse and Clarkson Scholarship Fund.

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## ASCE Continuing Education Seminars

In our continuing effort to enhance communications between ASCE's Sections, Branches and ASCE National, Geographic Services is pleased to advise you of the following seminars scheduled in your geographic area in the coming months:

October 14-15, 2004  
HEC-HMS Computer Workshop (Hydraulics and Water Resources)  
New York City, NY

October 21-22, 2004  
Structural Condition Assessment (Structural)  
Buffalo, NY

October 28-29, 2004  
Roadside Design (Transportation)  
Albany, NY

November 4-5, 2004  
Design of Waste Containment (Geotechnical)  
New York City, NY

November 18-19, 2004  
Wind Loads for Buildings & Other Structures (Structural)  
Newark, NJ

January 20-21, 2005  
Connection Design for Steel Structures (Structural)  
New York City, NY

February 10-11, 2005  
Fundamentals of Earthquake Engineering (Structural)  
New York City, NY

March 3-4, 2005  
Post Tensioning Construction and Design (Structural)  
New York City, NY

March 9-11, 2005  
HEC-RAS Computer Workshop for Unsteady Flow Applications (Hydraulics and Water Resources)  
New York City, NY

March 30- April 1, 2005  
Introduction to the Design & Construction of Tunnels (Geotechnical)  
New York City, NY

In addition, the following seminars are scheduled to be held during ASCE's 2004 Conference and Exposition in Baltimore:

Analysis & Preservation of Historic Bridges (Structural)  
October 19-20, 2004

Context Sensitive Solutions (Transportation)  
October 19-20, 2004

Design-Build Contracting (Construction)  
October 19-20, 2004

Techniques for the Modern Engineering Manager w/ Special Emphasis on Improving Interpersonal Communications (Management)

October 19-20, 2004

Water Quality Modeling (Environment)  
October 19-20, 2004

Jacked Tunnel Design and Construction (Geotechnical)  
October 20, 2004

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**SAVE THE DATE:**

CNY Engineering Expo 2004  
Monday November 15, 2004  
Holiday Inn in Liverpool, NY (Directly off Exit 37 of NYS Thruway)

This Exposition will be a full-day event featuring a variety of technical seminars within the engineering profession. Each of the primary engineering disciplines (civil, mechanical, electrical, etc.) will be represented and the event will be open to everyone. PDH's will be awarded (pending approval).

If you are interested in presenting or sponsoring this event, please contact Tom Horth (thorth@cscos.com) or Mike Hayes (mhayes@cscos.com).

Stay tuned for complete details!

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**National Committee Members  
ASCE Syracuse Section**

The following is a roster of the Syracuse Section members that are currently serving on ASCE National Committees. Please feel free to utilize these contacts for updates or questions regarding the activities and programs of their National Committees.

**Jeffrey Auser – Technical Activities Committee – *Hydro Power***  
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## HISTORY AND HERITAGE

### 1. THE FIRST OF THE CANAL BRIDGES

The original stone single arch bridge over the Erie Canal at Salina Street was the first of the canal bridges in this place, and for some time the only one across the canal here. It was constructed in 1818, and the material was the Elbridge sandstone, the Onondaga limestone not yet being deemed suitable for such purpose. It was in this construction, as also of the canal locks, that the Onondaga hydraulic lime came into use and speedily was largely employed in under-water stone work. In the building of the canal it was at this stone bridge that there was a failure of the canal bottom to retain water; after some time the bottom was made water tight, and then a similar experience was had at the Raynor ( now Jerry Rescue) block, which also was overcome. The dimensions of the original canal were: width at surface, 40 feet; at bottom, 28 feet; depth 4 feet; locks, 90 feet long and 12 feet wide. The first canal

boats were 61 feet long and 7 ½ feet wide, with cabins 14 feet high. They were drawn by single horses, and their draft was 14 inches.

## **2. THE ORIGINAL STONE BRIDGE**

The original bridge allowed for the passage of two boats; but soon the size of the boats increased, and they were unable to pass the first bridges. As a consequence larger bridges were constructed in place of the early ones. When the Salina Street stone bridge was removed, so firm was its masonry that blasting powder had to be used to demolish it. It was replaced by a wooden structure, whose timbers were sheathed. This bridge was too low for the increased height of the boats, and at one time it was raised two feet by placing timbers under its ends. A second wooden bridge was constructed in 1847. The first iron bridge was built in 1858 at a cost of \$2,628. After the city fire apparatus went through this bridge in 1869, iron needlebeams were substituted in place of the wooden beams of the structure.

The swing bridge at Salina Street was constructed by Howard Soule in 1875, at a cost of \$15,190.15.

The present hoist bridge was built by the Groton Bridge Company in 1898 at a cost of \$36,000. Thus six bridges have been built and served their usefulness over the Erie Canal at Salina Street in the eighty years the canal has been operated.

The original stone bridge was the handsomest bridge of the series. It was narrow and short compared with the present structure, but it was excellent in proportions and appearance.

Excerpted from *Pioneer Times in the Onondaga Country* by Carroll E. Smith in 1904.

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### **ASCE SYRACUSE SECTION BOARD MEMBERS 2004-2005 OFFICERS**

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<b>Young Member Chairperson</b>	<b>Joseph Kime</b>

