

<http://sections.asce.org/syracuse/>

APRIL 2004 NEWSLETTER

SYRACUSE ASCE BOARD MEETING NOTES

March 2, 2004 6:00 PM

TDK ENGINEERING, CAMILLUS, NY 13031

Attendees:

Tom Trytek	Tom Horth	Jeff Till
Jason Kantak	Dawn Penniman	Jeff Lantiegne
Brad Smith		

1. APPROVAL OF MINUTES

2. PRESIDENT'S REPORT

- Good turnout for dinner meeting at the Onondaga County Historical Society Meeting.
- SUNY Canton and University of Ottawa want to become part of the Syracuse section of ASCE. Trying to become student clubs. Brad stated that national would like us to sponsor each group. May need alumni to act as practioner.
- Brad to send email to members requesting interest in serving as a practioner for these schools.
- We need contact to work with SUNY Utica.

3. PROGRAMS

A. President Elect (Tom Horth)

- TACNY event March 12th. Need information for advertisement. Possibility to advertise upcoming meetings and website.
 - Tom H. to send TACNY brochure via listserv.
 - March program on the 25th moved to Tuesday the 23rd.
 - March 18th joint meeting with Ithaca section.
-
- Crunch game was a good turnout.
 - April 2nd, Happy Hour at Clark's Ale House.

4. DISTRICT REPRESENTATIVE (BRAD SMITH)

- Brad presented summary report for Spring 2004 District 1 council meetings. Items discussed included the following:
 - Student chapters
 - Electronic newsletter
 - NYS Infrastructure Report Card
 - NYS Council Operations
 - Continuing Education
 - District Report
 - Headquarters Report
 - Governances
 - Policy 465
 - Unionization of Field Representatives
 - District 1 Director Candidate
 - Section Allotments
 - Resolutions
- For additional information, please contact Brad smith

5. FINANCIAL REPORT

- Section balances are okay. Dues are down.
- Dawn recommended mass mailing for new membership.

6. ADJOURNMENT

- Meeting adjourned.

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

Respectfully submitted,

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

**ASCE SYRACUSE SECTION BOARD MEMBERS
2003-2004 OFFICERS**

President - Tom Trytek, P.E.
TDK Engineering Associates, P.C.
315-672-8726/315-672-8732(fax)
email: ttrytek@tdkengineering.com

Treasurer - Dawn Penniman, P.E.
Blasland Bouck & Lee, Inc.
315-446-2570, ext. 229
email: DEP@bbl-inc.com

President Elect - Tom Horth
C&S Engineers, Inc.
315-455-2000/315-455-9667(fax)
email: thorth@cscos.com

Secretary - Jason Kantak, P.E.
TDK Engineering Associates, P.C.
315-672-8726/315-672-8732(fax)
email: jkantak@tdkengineering.com

Vice President - Jeff Till, P.E.
Onondaga County Health Department,
Division of Environmental Health
315-435-6600/315-435-6606(fax)
email: JeffreyTill@ongov.net

District I Representative - Brad Smith, P.E.
Stearns & Wheeler
315-655-8161/315-655-4180(fax)
email: blsmith@StearnsWheeler.com

**Director/Newsletter Editor -
Lantiegne, P.E.**
Stearns & Wheler
315-655-8161/315-655-4180(fax)
email: jslantiegne@StearnsWheler.com

Jeff NSPE Liason - John Knox, P.E.
Hydro-Environmental Technologies, Inc.
315-437-3484/315-437-3161
email: JohnK@HydroEnvironmental.com

Director - Lance Ketcham, P.E.
Blasland, Bouck & Lee, Inc.
315-446-2570, ext. 163
email: LSK@BBL-Inc.com

Student Practitioner (SU) - Kathy Pollard
Syracuse University Eng. Dept. Dean's
Office
315-443-2545/315-443-4936(fax)
email: kfpollar@syr.edu

Director - Rick Jones
Stearns & Wheler
315-655-8161/315-655-4180(fax)
email: RBJones@stearnswheler.com

**Adopt-A-Highway/History & Heritage Chair -
Jim Tyler**
315-468-3798
email: jhtyler@juno.com

**Immediate Past President
Matt Millias, P.E.**
Parsons
315-451-9560/315-451-9570(fax)
email: Matt.Millias@Parsons.com

**TACNY Liason/Student Practitioner
(Clarkson)- Craig Butler, P.E.**
Parsons
315-451-9560/315-451-9570(fax)
email: Craig.Butler@Parsons.com

Young Member Chair - John Haberer
email: jhaberer@twcny.rr.com

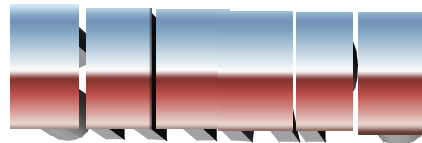


ASCE Syracuse Section 2003-2004 PROGRAM LIST:

APRIL

DATE TBA	<u>JOINT MEETING WITH CNYAPG:</u> PRESENTER: BILL KAPPEL - USGS http://www.cnyapg.org
----------	---

MAY	
DATE TBA	<u>JOINT MEETING W/ ITHACA SECTION</u> http://www.asceithaca.org/
JUNE	
DATES TBA	THIRD ANNUAL ASCE SYRACUSE SECTION GOLF OUTING TOUR OF MIDDLE AGES BREWERY!! www.middleagesbrewery.com
AUGUST	



**Hydrogeology of the Onondaga Valley Aquifer -- The Good, the Bad,
and the Brine**

Presented by William Kappel (US Geological Survey)
May 20, 2004

Central New York Association of Professional Geologists
and
American Society of Civil Engineers

The natural brine-filled aquifer that gave Syracuse the nickname “The Salt City” could possibly confound the clean-up of Onondaga Lake unless the characteristics of this aquifer system are understood. The U.S. Geological Survey is presently studying the Onondaga Valley aquifer in conjunction with the Onondaga Lake Partnership to identify the source of brine and define its movement and concentration within the aquifer. The aquifer lies within the Onondaga Creek valley and extends from Tully north to Onondaga Lake and beyond. The results of the 4-year study should provide the data needed to discern whether the brine from the aquifer discharges into the lake and whether it might affect the cleanup of the lake and its bottom sediments.

Water-quality and drillhole data indicate that the aquifer system in the Tully valley has a limited hydraulic connection to the Onondaga valley aquifer system. Data indicate that concentrations of sodium chloride in the unconsolidated aquifer are from 3 to more than 5 times as salty as seawater. This chemistry of the brine indicates that it is probably derived from beds of halite in the Syracuse Shale, but how these brines got to where they are found today has yet to be determined. While the brine is most highly concentrated in the main valley, salty water of variable concentration also occurs in some tributary valleys but has a different chemical signature – more of a deep-basin brine quality. Drillholes in Onondaga Lake indicate a thick sequence (~175 ft) of fine-grained, post-glacial sediments above the glacial sediments. Presumably, brine under artesian pressure slowly diffuses through these sediments and discharges upward into the lake through these lake-bottom sediments. Isotope data indicate that the brine to be appears to be of glacial to post-glacial origin – dates range from 24,000 years BP (before present) to 10,000 years BP.

Presenting March's talk is William Kappel of the U.S. Geological Survey in Water Resources Division, Ithaca New York. Mr. Kappel has been with the USGS since 1979 and specializes in water-resource investigations. Mr. Kappel's investigations include aquifer mapping studies in upstate New York and approximately 10 years of ground-water study in the Niagara Falls region. More recent investigations include the hydrogeology of the Tully Valley and mudboil activity, the 1993 LaFayette mudslide, and the Retsof Mine Collapse - Genesee Valley Aquifer study team. Current investigations include Onondaga Valley Aquifer study -- movement of natural brines to Onondaga Lake, and the study of small aquifer systems in the Tug Hill Plateau.

Meeting logistics: The meeting will take place on Thursday, May 20, 2004 in the Kenyon Hollow room of the Skyline Lodge at Highland Forest. A social/hiking hour will be from 5:30 p.m. to 6:30 p.m. The dinner will start at 6:30 p.m. and our featured speaker, William Kappel of the US Geological Survey, will begin his program at 7:30 p.m. The cost of dinner is \$12 for members, \$15 for non-members and \$12 for student members. Please RSVP by Monday, May 17, 2004 to Bonnie at Parratt-Wolff via e-mail at bolney@pwinc.com or 437-1429.

Directions: From Syracuse take I-81 south to the exit for Tully (Exit 14). Turn left at the end of the off ramp and then the next left onto Rte. 80. Follow Rte. 80 east for about 12 miles to the entrance road to the park. At the main parking area turn left past the park office and follow the signs to the Skyline Lodge.

HISTORY AND HERITAGE

Richard B. Williams, Jr. & the Syracuse Suburban Water Company

Richard B. Williams, Jr. was born in Camden, NJ in 1870, educated in local schools and Dickenson College in Carlyle, PA. A few years later he prepared for his career by taking an engineering course. In 1900 he was employed by the American Pipe & Construction Company of Philadelphia, who constructed and operated water works systems throughout the United States east of the Mississippi River, being superintendent of construction, and having supervision of the installation of the water works systems. This company was the contractors engaged to install the Syracuse Suburban Water Company plant, which was completed in 1908, Mr. Williams having charge of the installation. Upon completion of the plant he left the American Pipe & Construction company to become general manager of the Syracuse Suburban Water Company and was still in that capacity in 1924. From the inception of this company his services as general manager brought to its progress and advancement the seasoned and experienced judgement and knowledge, his practical technical training and executive ability upon which he had built up his own success, and this important enterprise owes much of its development and success to his personal direction and services. The Syracuse Suburban Water Company is an incorporated stock company, organized in 1907 by Buffalo capitalists. The installation of the plant and its distributing system was completed in 1908 at a cost of approximately \$2,000,000, and comprises the gravity system from Otisco Lake to Minoa. Through its conduits the company supplies the villages of Camillus, Solvay and Eastwood, and many industrial plants, including The Solvay Process Company, Lamson Company, Oberdorfer Brass Company, Halcomb Steel Company, Pierce, Butler & Pierce Company, Syracuse Rendering Company, and the New York Central Railroad Company, its largest customer.

NEXT SCHEDULED BOARD OF DIRECTORS MEETING

- When: Tuesday, May 4, 2004 @ 6:00 pm
- Where: TDK Engineering Associates, Camillus, NY