



## Letter from the Chair

by Lindsey Olson

Do you have any idea how busy the NJ Section has been over the past six months? If you don't know, you are missing the boat! We have put on five Thursday night networking events in YOUR area!!!! Are you asking yourself when these networking events were or why in the world have you not heard about them? If you are, then you have to log on to our website [www.njawwa.org](http://www.njawwa.org) and look at our Section Calendar. The informal networking events are the third Thursday of every month and they rotate around New Jersey. Come out to one of the events in your local area, bring some co-workers and meet other AWWA NJ members while winding down from the long work day!

In addition to the monthly networking events we also had an extremely fun bowling event in New Brunswick, NJ. I will not get into the juicy details of the event, but all I will say is that you don't want to miss the next one!

Water for People has been active as ever with their Night at the Ballpark and hugely successful 5K Run in Manalapan, NJ. If you are a runner or know a runner (everyone at least KNOWS a runner!) then you have to tell them about this event next year. It is a great way to get the water community together and heighten the awareness of the lack of clean water and adequate sanitation around the world.

This year AWWA's Annual Conference and Exposition was in beautiful San Diego, California and the NJ Section was very well represented. We had a Tapping Team from United Water and a Top Ops Team from Passaic Valley Water Commission that competed at the national level. The NJ Section also held a joint reception with the New



York and Puerto Rico Sections. Everyone had such a great time that the word got out and now other Sections are asking to get in on the reception as well!

The NJ Section celebrated Drinking Water Week this year at the Statehouse. We spoke to legislators about the importance of safe, clean drinking water and met with NJDEP Commissioner Mark Mauriello. Governor Jon Corzine also signed the Drinking Water Week proclamation.

The Water Utility Council (WUC) has been very active tracking legislative action and has provided a position statement for mandatory fluoridation and guidance on Boil Water Advisory documents. AWWA NJ also was asked to have two seats on the NJDEP Clean Water Council Infrastructure Committee, which the WUC is fulfilling.

I am sure you are wondering when I am going to get to education? Undoubtedly, education is the heart of the Association. The NJ Section has provided opportunities at four different educational events. In September the NJ Section held a Jar Testing Seminar, a Security Best Practices "Train the Trainer" Workshop and finished the month strong with the Fall Meeting. The

annual Fall Meeting offers a full day of training, including the option for golf in the afternoon if you want to get outside and network with colleagues. It is also where we give out Service Awards and the Employer Support Award, which went to CDM this year. Congratulations, CDM! In October, the Research Technology Transfer Committee hosted their annual Fall seminar, which was Research to Rules to Regulations. The seminar had a great turnout, as always!

Are you wondering how all of this passed you by? How come you didn't know any of this was going on? The solution to that is to GET INVOLVED!!!! Get involved with the Association on a national level or with the Section on a local level (see some volunteer opportunities on page 11). I want to increase committee involvement 10% this year and I am counting on YOU to help the Section get there. There is a committee out there for everyone that wants to get involved. I am asking you to contact me directly to become involved. Call me at work at (856) 727-6129 or email me at [Lindsey.Olson@amwater.com](mailto:Lindsey.Olson@amwater.com) and we will find the most exciting place for you to get involved. If you don't call me or email me, I will ask you when I see you, so you might as well contact me! That way, when the next *Pipeline* comes out and I write about previous events or educational seminars, you won't feel left out because you were aware of happenings in the Section and the water community!

*Lindsey Olson is a Design Engineer with American Water and the Chair of the New Jersey Section.*

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# Director's Report

by John Young

Similar to many organizations and businesses, AWWA is in a state of transition. The need for transition and change at AWWA is being driven by many of the same factors that are touching each of our professional and personal lives – the economy, cultural changes in our society, increased emphasis on sustainability and time management. As a non-profit organization that relies heavily on volunteers for expertise and financial support, limits on the availability of time and money can have an even more pronounced effect on AWWA. Therefore, the transitional decisions AWWA will make with the hiring of a new Executive Director and finalizing a revised Strategic Plan will be critical to its future success.

The search process for AWWA's next Executive Director is progressing. A significant amount of effort was spent developing the qualifications necessary to successfully move AWWA into the future. Based on the position description, it will be a challenge to find the mix of skills needed to run AWWA. Given the over 60,000 members worldwide, over 4,600 utility members, 5,500 committed volunteers, 150 person staff and \$30 million budget, CEO level skills are required to manage and direct the Association's business. The advocacy role will require knowledge of water issues and an understanding of legislative and regulatory affairs. A high level of energy, communication skills and character will also be needed to attract and motivate volunteers. If AWWA is successful in finding an individual that meets these criteria

and can attract him/her to its leadership role later this year, we will be well positioned for the future.

The new Executive Director will begin with a new Strategic Plan. Over the past year, a significantly revised AWWA Strategic Plan has been developed and a draft plan will be presented at the AWWA Board meeting in January, 2010. The Strategic Plan will be built around this mission:

*AWWA unites the water community to protect public health and to provide safe and sufficient water for all. Through collective leadership, AWWA advances technology, education, science, management, and government policies.*

Principals supporting the mission include public health, customer focus, teamwork, sustainability and diversity.

Moving forward, the strategic goals include creating and exchanging knowledge, enhancing membership, being an industry leader and advocate, and maintaining an efficient, effective organization.

Bringing on a new Director and delivering the mission is critical to our future success. If AWWA is going to continue to effectively educate and provide advocacy for the water industry, it is important that we provide the volunteer time and resources to support our future leaders and the AWWA strategy. Each of us controls a piece of AWWA's ability to succeed in meeting its mission.

*John Young is the President of American Water Works Service Company and AWWA NJ's Director.*

## Annual Financial Summary for the New Jersey Section

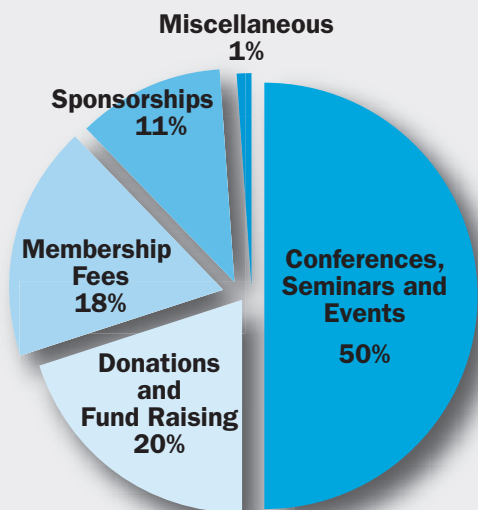
by David G. Ern

I am pleased to present to you a pie chart summary of the 2008 – 2009 income and expenditures for the Section. Income totaled \$411,721 and expenditures totaled \$375,336. The Section showed a profit of \$36,385 for the

fiscal year of July 1, 2008 to June 30, 2009. The total budget for 2009 – 2010 is \$458,855.

### 2008 – 2009 Annual Financial Summary July 1, 2008 to June 30, 2009

#### INCOME



#### EXPENDITURES



David Ern is Vice President and General Manager of Gordon's Corner Water Company and the Secretary/Treasurer of AWWA NJ.

# AWWA NJ Water For People Doubles Its Impact!

by Joe Goodwill

What if your \$100 donation to Water For People had the power of \$200?

Now, it does.

Until November 15, 2009, the Rosenthal Million Dollar Challenge will enable the AWWA NJ Water For People committee to double its fundraising impact on communities in Water For People's 10 program countries. The challenge was initiated by philanthropists Stephen and Sandy Rosenthal. For every dollar raised by our committee, a matching dollar will be donated by the Rosentals as well. This is an inspiring and exciting opportunity to help AWWA NJ Water For People double its impact. So, please continue to support Water For People through the AWWA NJ committee. Your help locally can do a world of good globally!

One way to support Water For People during the Rosenthal Million Dollar Challenge is through the AWWA NJ Water For People Committee's



Holiday Wreath Sale Program. Through the Whitney Wreath Fundraising Program, AWWA NJ Water For People Committee will be selling festive wreaths and centerpieces for the holiday season. The profit from each sale will be donated to Water For People, and matched. Please take advantage of this opportunity. For more details please contact Randi Malkiewicz at [RLMalkiewicz@StoneHill](mailto:RLMalkiewicz@StoneHill)

[Contracting.com](http://Contracting.com).

While Water For People continues to expand its services to help those in need, the number perishing due to waterborne disease remains staggering: over 6,000 people every day. Much work remains to be done. Members of AWWA NJ can feel proud that their committee is one of the nation's strongest, raising tens of thousands of dollars every year. The money provided by your generous donations and sponsorships is part of the reason why more people than ever now have access to safe drinking water and respectable sanitation. With your continued support, AWWA NJ Water For People Committee's funds will help reduce the number of people living in water-poverty until there are no preventable deaths from waterborne disease.

*Joe Goodwill is a Civil Engineer with Black & Veatch and Secretary of the Water For People Committee.*

## Recent Change to NJDEP Licensing Examination Regulations

by Carol Broccoli

A recent (December 15, 2008) regulatory amendment to the state's operator licensing regulations at N.J.A.C. 7:10A-1.15(a)(4) requires those who have failed a drinking water or wastewater licensing examination three times to complete an NJDEP approved training course prior to being permitted to take the exam a fourth time. This action will be applied only to those persons who made their first attempt at the exam on or after December 15, 2008; it **will not** be applied retroactively to those who made their first attempt at an exam prior to that date.

The NJDEP's Advisory Committee for Water and Wastewater Operator Training is currently working with representatives from the AWWA NJ, the New Jersey Water Environment Association and various water and

wastewater professionals to develop courses that would be appropriate for the various license topics and levels. AWWA NJ members should be proud that the "Licensed Operator Review Course," offered jointly with the NJAES Office of Continuing Professional Education for the past two years, is one of the courses being looked at as a model for the "approved" review courses. The Education and Professional Development Committee will continue to follow the status of the development of these courses and will report on the outcome as soon as a program is announced.

*Carol Broccoli is the Assistant Director of the Rutgers NJAES Office of Continuing Professional Education and a member of the Education and Professional Development Committee.*

## FRESH IDEAS 2010

Fresh Ideas is a National AWWA initiative in which young professionals (35 and under) receive recognition and a cash award for presenting the best paper at their respective Section's Annual Conference. As AWWA NJ's 2009 Fresh Ideas competition winner, **Joseph Goodwill** received a \$300 award, an award plaque, and a complimentary registration at ACE09 in San Diego, CA, where he showcased his presentation entitled *Water For People – Malawi* in a poster session.

If you want to be the next Joseph Goodwill, make sure that you checked "Yes" on the Fresh Ideas Box on the Abstract Form for next year's Annual Conference. For more information on the Fresh Ideas Program, please contact Hetal Mistry at 732-638-7530 or [hmistry@middlesexwater.com](mailto:hmistry@middlesexwater.com).

## AWWA NJ 2009-2010 Board of Trustees

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Mona Cavalcoli

Contact information for Board members is available on our website at [www.njawwa.org](http://www.njawwa.org).

# Research 1, Humor 0

By Chris Olson with Paul Schorr

It has been noted that the transfer of knowledge is integral to a prosperous community, and in unison with the strategic plan for the Research and Technology Transfer Committee, here is our latest attempt.

I sat down with Paul Schorr, PE, Research Scientist of the New Jersey DEP, to interview him about the latest research related scoop from his realm.

**CHRIS:** Paul, I pretty much know all there is to know, so what can you tell me?

**PAUL:** How much do you know about the Passaic River?

**CHRIS:** Hardly anything.

**PAUL:** Then I'll begin with some background. The Passaic River includes permitted and advanced treatment from over 20 municipal wastewater plants and many separate municipal storm sewer systems, each contributing to the presence of various water quality components.

**CHRIS:** Wow, it must be difficult to treat drinking water or meet a wastewater effluent standard when the river is exposed to so many variables.

**PAUL:** That's true, but with cooperation between dischargers and water purveyors the difficulty is made more manageable. Many millions of dollars have been invested in water and wastewater treatment to meet their respective standards. To help both dischargers and water purveyors understand the dynamic nature of the river, the NJDEP has developed various tools.

**CHRIS:** What kind of tools?

**PAUL:** One of these tools is a mathematical model that was derived to predict how plant effluent would impact the downstream level of phosphorous, for example.

**CHRIS:** That seems like a basic mass balance where the total concentration equals  $(Q1 \cdot C1 + Q2 \cdot C2) / QT$ .

**PAUL:** That's right. It gets more complicated with the number of treatment plants, sewer systems, and tributaries adding effluent and drinking water plant intakes removing volume, not to mention dozens of different parameters. But the model is only useful to predict stream

response if real data reflects the ever-changing stream conditions and real data has been used to calibrate and verify actual conditions. NJDEP retained USGS and OMNI consultants to develop a state of the art stream flow model that was calibrated and verified to the drought and normal stream flows, discharges and diversions from 1999 to 2003. The results are on NJDEP's website for TMDLs on the Passaic River and include parameters like dissolved oxygen, pH, and nitrate.

**CHRIS:** To keep that data up to date, there must be hundreds of greenhorns collecting samples around the clock, no?

**PAUL:** Not exactly. The NJDEP and USGS have installed automated, real time stream monitors for dissolved oxygen, temperature and pH. These monitors have been in place since 1988 to provide data for dischargers and purveyors. But the most recent real time, automated stream monitor is for nitrate, actually nitrate and nitrite. As recently as last year it was not feasible to continuously monitor for nitrate but USGS has embarked on a study to test technological advancements in optics and miniaturization and the results are promising. At the

USGS gage station #01389005, Two Bridges Station on the Passaic, an ultraviolet spectrophotometric sensor has successfully collected and transmitted near-real-time data to <http://waterdata.usgs.gov> for nitrate plus nitrite.

**CHRIS:** It seems like this technology could be used by utilities to optimize treatment processes based on the condition of the source water.

**PAUL:** There are a lot of possibilities, but only time will tell.

**CHRIS:** Anything else you'd like to add?

**PAUL:** This was a great start and we would like to know what your readers think of the USGS website and the data. Lastly, I'll add that it's good to know that you're better at your day job than you are at this.

**CHRIS:** Thanks a lot Paul.

*Chris Olson is a Project Manager with American Water and a member of the Research and Technology Transfer Committee. Feedback: [christopher.olson@amwater.com](mailto:christopher.olson@amwater.com).*

## Welcome 2009-2010 AWWA NJ Sponsors!

By Mona Cavalcoli

AWWA NJ would like to express its sincere gratitude and extend a warm welcome the following returning – and new – companies who enrolled in our Sponsorship Program this year. The program has grown and the sponsorship features have been tweaked and modified slightly to better meet the needs and wishes of the participants.

One new feature last year which earned strong praise is the opportunity for those selecting Conference Sponsorship (or a combo-sponsor option which includes Conference Sponsorship) to bring additional employees at significant discounts. Based on feedback we received from many Sponsors and exhibitors, Conference Sponsors this year will again be able to register up to three additional Full Registrants at 50% off; and up to three additional One-Day Registrants at 60% off!

AWWA NJ thanks ALL of its Sponsors for their dedication and support of the organization. We look forward to another great year with you! With the current economic outlook, we recognize that it is a tough time for everyone. We would like to extend an extra “thank you” to those of you who have renewed your participation, and some of whom who have selected a more involved sponsorship this year!

If you have not renewed, or not yet joined up this year, remember that enrollment for Conference Sponsorship remains open until January 15! Hopefully, the economic outlook will be a bit brighter in the very near future; we look forward to welcoming you back soon.

### Annual and Combination Sponsors 2009-2010

AECOM\*  
Buchart Horn, Inc. +  
Buck Seifert & Jost, Inc.\*†  
CDM\*  
CH2M Hill\*•  
Dewberry+  
H2M Group\*•  
Hatch Mott MacDonald\*†  
Hazen & Sawyer, P.C.\*•  
MWH\*†  
New Jersey American Water\*†  
Rio Supply\*•  
United Water+•  
Van Note-Harvey Associates+

### 2010 Conference Sponsors to date:

CME Associates\*  
Coyne Environmental Services\*  
Garden State Laboratories+  
Middlesex Water\*

**Conference Sponsorship remains available for registration until January 15, 2010.** If you would like to become a Conference Sponsor, please contact Mona Cavalcoli at (866) 436-1120 or download a sponsorship brochure and registration form from our website at [www.njawwa.org](http://www.njawwa.org).

### Key:

\*Returning Sponsor  
+New Sponsor  
†Whole Enchilada Sponsor  
•Double-A Sponsor

*Mona Cavalcoli is the Section Manager of AWWA NJ.*

# Cyber Security In the Water Sector

By Scott Para

Cyber Security has received increased focus in 2009, and it has been identified as a priority at the Federal level. The Department of Homeland Security (DHS) is responsible for safeguarding our nation's critical infrastructure from cyber threats that can affect our national security, public safety, and economic prosperity. These steps can help safeguard your system and help ensure that your system is not victim of a cyber attack.

## 21 Steps to Improve Cyber Security of SCADA Networks:

- 1) Identify all connections to SCADA networks.
- 2) Disconnect unnecessary connections to the SCADA network.
- 3) Evaluate and strengthen the security of any remaining connections to the SCADA network.
- 4) Harden SCADA networks by removing or disabling unnecessary services.
- 5) Do not rely on proprietary protocols to protect your system.
- 6) Implement the security features provided by device and system vendors.
- 7) Establish strong controls over any medium that is used as a backdoor into the SCADA network.
- 8) Implement internal and external intrusion detection systems and establish 24 hour a day incident monitoring.
- 9) Perform technical audits of SCADA devices and networks and any other connected networks to identify concerns.
- 10) Conduct physical security surveys and assess all remote sites connected to SCADA network to evaluate their security.
- 11) Establish SCADA "Red Teams" to identify and evaluate possible attack scenarios.
- 12) Clearly define cyber security roles, responsibilities, and authorities for managers, system administrators, and users.
- 13) Document network architecture and identify systems that serve critical functions or contain sensitive information that require additional levels of protection.
- 14) Establish a rigorous, ongoing risk management process.
- 15) Establish a network protection strategy based on the principle of defense in depth.
- 16) Clearly identify cyber security requirements.
- 17) Establish effective configuration management processes.
- 18) Conduct routine self-assessments.
- 19) Establish system backups and disaster recovery plans.
- 20) Senior organizational leadership should establish expectations for

cyber security performance and hold individuals accountable for their performance.

- 21) Establish policies and conduct training to minimize the likelihood that organizational personnel will inadvertently disclose sensitive information regarding SCADA system design, operations, or security controls.

The National Cyber Security Division (NCSA) coordinates the Department's efforts to secure cyberspace and our nation's cyber assets and networks. To this degree, they have developed a Cyber Security Evaluation Tool (CSET). CSET is a desktop software tool that guides users through a step-by-step process to assess their cyber systems and network security practices against recognized industry standards. The output from CSET is a prioritized list of recommendations for improving the cyber security posture of the organization's business and industrial control systems (ICS).

To learn more about the CSET, please contact [CSET@dhs.gov](mailto:CSET@dhs.gov), or visit [http://www.us-cert.gov/control\\_systems/](http://www.us-cert.gov/control_systems/). For additional information, please contact Scott Para from New Jersey American Water at (732) 302-3194.

*Scott Para is Manager of Operations Security at New Jersey American Water and Co-Chair of the Operational Risk Committee.*

## Thanks to Our 2009-2010 Sponsors!

- AECOM
- Buchart Horn, Inc.
- Buck Seifert & Jost, Inc.
- CDM
- CH2M Hill
- Dewberry
- H2M Group
- Hatch Mott MacDonald
- Hazen & Sawyer, P.C.
- MWH
- New Jersey American Water
- Rio Supply
- United Water
- Van Note-Harvey Associates

AWWA NJ appreciates the support of all of our sponsors throughout the year. For more information on the AWWA NJ Sponsorship Program, visit our website at [www.njawwa.org](http://www.njawwa.org).

## In Search of the 2010 Fuller Award Winner

By Neil Goldfine

The Fuller Award Committee is seeking nominations for the 2010 Fuller Award. The criteria for nomination for this award are as follows:

### A candidate must:

- a. Be a member or representative (employee) of an organization member of the AWWA.
- b. Have demonstrated during his/her career outstanding or extraordinary achievement which elevates or otherwise enhances the waterworks profession. This achievement may include accomplishments in any

profession, i.e. finance, legal, engineering, science, public health, administration, or any other related disciplines.

- c. Have performed his/her duties in an outstanding or extraordinary manner that is easily recognizable as such by peers.

Service that does not rise to the level described in these criteria would not qualify a person for consideration for a Fuller Award. After assessment of the nominee(s), using these criteria, it is possible that a nomination would not be made during any one year.

Nominations should be submitted on the official nomination form and mailed or emailed to: Neil A. Goldfine, Atlantic City MUA, P.O. Box 117, 401 North Virginia Ave, Atlantic City, NJ 08404-0117, [ngoldfine@acmua.org](mailto:ngoldfine@acmua.org). Nomination forms are available on our website at [www.njawwa.org](http://www.njawwa.org). Nominations received after December 15, 2009 may not be considered this year.

*Neil Goldfine is Executive Director of the Atlantic City Municipal Utilities Authority, Chair of the Fuller Award Committee and a Trustee of AWWA NJ.*

# AWWA NJ Fall Meeting Teaches How to Deal with the Media

By Joe Stanley

The 2009 Fall Meeting, in addition to the golf, provided an opportunity to earn up to 5.5 TCHs. The Technical Program Committee assembled a unique program with the assistance of the NJDEP and various utility representatives. The program started with an overview on accessing water system information from the DEP's website and was followed by an update of the Groundwater Rule. The DEP then provided the regulatory perspective on water main breaks and Boil Water Notices. The Section thanks Karen Fell, Danielle Mullen and Matt Maffei for providing this update. Jack McNaughton and Sheng-Lu Soong from United Water NJ expanded on the subject, providing field experience and perspectives on actual water main breaks. Attendance during this morning session was approximately 75 people.

The afternoon gave us a very interesting topic, which has not typically been covered at our conferences, *Dealing with the Media*. Peter Eschbach (NJ American Water), Bernadette Sohler (Middlesex Water), Rich Henning (United Water), Michael Pickel (Aqua America), and Ivette Mendez (Public Relations Consultant) all presented different aspects of dealing with the media during emergencies that ranged from the changing composition of the "media" to water main breaks and Gulf Coast hurricanes. The duffers missed a particularly engaging session when Dennis Ciemniecki, President of Regulated Businesses for United

Water, in a completely deadpan manner, participated in a mock interview and proceeded to violate all of the rules of media relations. Obviously, Dennis knows how to handle the situation in real life and his "interview" was for illustrative purposes. (*Note to Dennis – I have been assured that the recording has been destroyed, preserving your otherwise exemplary professional career.*) Much was learned through the presentations and mock interviews, and it was a pleasure presenting a very necessary skill to our membership. After all, our industry is front and center of the public daily, and it is important that we properly portray our collective duty to provide safe and reliable drinking water to all.

The Technical Program Committee is well on its way to completing the formulation of the program for the Annual Conference, which will take place at the Taj Mahal in Atlantic City from April 13 – 16, 2010. The conference theme is *Sustainability in Drinking Water*, which is a timely subject. Look for the winter edition of *Pipeline* for more details. I have been told that it is always good to end with a cliffhanger.

**QUESTIONS:** Please direct your inquiries to Joe Stanley, Chair – Technical Program Committee at (973) 912-2485 or [joseph.stanley@hatchmott.com](mailto:joseph.stanley@hatchmott.com).

*Joe Stanley is a Vice President at Hatch Mott MacDonald and Chair of the Technical Program Committee.*

## Recognizing Commitment and Service

By Anthony Tomasello

During this year's New Jersey Section Fall Meeting, service plaques and pins were distributed to AWWA NJ members to commemorate their years of service. This year, a total of 82 NJ Section members were acknowledged for various AWWA membership anniversaries, starting at 25 years and celebrating every five-year milestone thereafter. Twenty-four of the honorees were awarded the title of *Life Member*, those who have been a part of the organization for 30 years. Life Members received a

decorative plaque and are honored with lifetime membership to AWWA.

Thank you to those that attended the awards ceremony during lunch at the Fall Meeting, and special congratulations to those who were

honored. Your service and commitment to the organization are commendable.

*Anthony Tomasello is an Engineer with Hatch Mott MacDonald and Chair of the Recognition Committee.*

### 60 Years

Herbert L. Kaufman

### 55 Years

Robert J. Fitzgerald

### 50 Years

Franklin J. Grieder

Robert J. Haefeli

Stephen L.

Bartholomew

Kenneth Lee Homan

George Mekenian

Phil Bright

### 45 Years

Richard A. Johnson

Norman L. Lindsay

Maurits L. Modin

Jack A. Schweitzer

### 40 Years

James J. Daley

Joseph H. Duff

Edward L. Haack

Robert B. Palasits

Barry J. Schwartz

Ronald A. Treveloni

Frederick H. Yoerg Jr.

Thomas J. Cawley

### 35 Years

Robert Reich

Ming H. Cheng

William T. Birdsall

Frank Jackson Jr.

Donald MacMillan

Lawrence E. Duff

Kevin F. Toolan

Christopher B. Lind

Placido Peditto

### 30 Years – New "Life Members"

Joseph H. Lipari

Daniel D. Chen

John E. Ekman

Raymond J. Nierstedt

Kevin R. Brown

Peter S. Goldych

John A. Hroncich

Larry M. Merk

Michael Simone Jr.

Gary J. Coleman

Gary L. Smith

Santo Triolo

Robert W. Lange II

Joseph Giannone

David F. Owen

Daniel J. Pelt

John E. Dyksen

George P. James

Gary A. Naumick

Victor J. Pais

Anthony T. Saldutti

Joseph A. Bella

Stephen Pospiech

Thomas R. Schink

### 25 Years

Thomas J. MacElhane

David M. Reves

Peter A. Nese

Richard A. Sadowski

Larry R. Smith

Steven J. Tambini

James J. Poirier

David G. Ward Sr.

John J. Fosko

Michael Kaneletz

Frank Dewey

Harvey Klein

Gary R. Kroll

John C. Ludington II

Guenter Niessen

Paul L. Schorr

Gregory G. Perrini

Jose R. Cardenas

Michael S. Labos

Thomas Switalski

Robert A. Allotta

Wayne D. Laraway

Paul E. Malmrose

Elliot F. Sachs

Paul V. Hartelius III

David B. Johnson

Michael M. Revaitis

Chris R. Rehmann

# CDM selected as Employer Support Awardee!

By Elizabeth Yanosey

Camp Dresser & McKee Inc. (CDM) was awarded the 8th Annual Acknowledgement of Employer Support Award at the AWWA NJ Fall Meeting at Eagle Ridge Golf Club on September 17, 2009. This marks the second time that CDM has won the award. The other nominee was Brick Township Municipal Utilities Authority.

CDM was selected by the Membership Services Committee for its encouragement and support in the growth of young professionals (YP) in the water industry. Examples of this support include courses and workshops provided through CDM University as well as tuition reimbursement for advanced degrees

to be obtained outside of CDM in subjects relating to an employee's professional advancement. CDM also holds office forums and lunchtime technical seminars where employees are encouraged to make presentations on their projects and volunteer opportunities, often in preparation for presentations at industry conferences. CDM also encourages the publishing of technical articles and papers by providing awards to YP's and other employees. CDM supports young professionals in their involvement with professional organizations by paying for membership dues, sponsoring events, and encouraging participation in AWWA NJ committees. Other examples of CDM's support of YP's are its Engineers Without Borders (EWB)

program which includes mentoring of student EWB chapters, an internal program known as "Connecting with CDM" where YP's are matched with a more senior CDM guide, and CDM's Emerging and Advanced Leadership Program that annually selects a group of emerging and advanced leaders for distinct training.

Being selected as the awardee is a great honor for CDM. It is the hope that the recognition the awardee receives by the AWWA NJ will encourage others to provide the same, if not more, support to their YP's. The future of the AWWA NJ depends on it!

*Elizabeth Yanosey is an Environmental Engineer with CDM and member of the Membership Services Committee.*

## AWWA NJ Monthly Networking Events

Expand your professional network by attending an AWWA NJ networking event. Monthly AWWA NJ networking events are held on the third Thursday of every month at a different location throughout New Jersey. Be on the lookout for a networking event near you. Details of the networking events are advertised on our website, [www.njawwa.org](http://www.njawwa.org). Come out and join us!

### Upcoming networking events include:

**November 19**  
Prospector's Steakhouse and Saloon, Mount Laurel  
5:30 – 7:30 pm

**December 17**  
Poitin Still Irish Restaurant and Pub, Hackensack  
5:30 – 7:30 pm

## AWWA NJ Welcomes New Members!

By Margie Gray

AWWA NJ welcomes all new members who joined during the first three quarters of 2009 (January 1, 2009 through September 30, 2009) and thanks those current members who helped recruit new members. We look forward to

seeing you at our events and encourage you to get involved. For information on upcoming Section activities and how to get involved, please visit our website at [www.njawwa.org](http://www.njawwa.org).

### New Members:

Robert Baker	Michael Difranca	Keith Hofacker	Patrick O'Connor	Chris Evans
Stephen Bates	Joseph Diprimio	John Holden	Martin Pfeuffer	Dalia Ghobrial
William Beatty	Elizabeth Doellman	Jonathan Hubler	James Probat	Ronald Grant
Lauren Bertonazzi	Kelly Donmoyer	Thomas Hurley	Ramjee Raghavan	David Mangle
John Bigelow	Kurt Eifert	Kevin Jennings	Kevin Readie	Michael Megella
Danielle Bisson	Sean Fitzgerald	Kevin Jordan	Mat Siedlecki	Hetal Mistry
Owen Blake	Stephen Fowler	Adam Kane	Mark Struble	Donald Schlenger
Anthony Bonasera	Steven Garabed	Peter Kania	Jennifer Twyman	Barry Spiegel
William Braga	Didier Gaujous	Joseph Kopf	Paul Wilcox	Christopher Thiel
John Buesgens	Robert Genito	David Leach IV	John Williams	Russell Titus
Lisa Byron	John Gillespie	Stephen Lesko	Richard Worthington	Jeffrey Whalen
Matthew Cafone	Susan Gilliland	Joseph Mangine	Elizabeth Yanosey	
Edward Chakrabarty	Thomas Godfrey	Jason Marquette		
Aslam Chaudry	Amita Gupta	Frank McGlynn	<b>Recruiters:</b>	<i>Margie Gray is an Associate with Hatch</i>
William Cordasco	Ed Hackney	Tim Mentzer	David Applegate	<i>Mott MacDonald and Chair of the Publications</i>
Minerva Cubero	William Hahn	Thomas Mottackal	Robin Casale	<i>Committee.</i>
Jeff Derusso	Rosemary Heinze	Crystal Murphy	Mona Cavalcoli	
	Mike Hilbert	Jonathan Nagel	Brad Cole	

# My Experience at ACE 2009

By Andrea Giallorenzo

I would like to begin by personally thanking and acknowledging AWWA NJ and PVWC for the moral and financial support to participate in the Top Ops Competition at the 2009 AWWA Annual Conference and Exposition (ACE 2009). Without this support, I would not have been able to partake in such a beneficial experience. To promote participation, AWWA NJ provides \$1,200 to support each team member for both the Top Ops and Tapping Team NJ Competition winners to attend ACE, so get involved!

At ACE 2009, the opportunities expand well beyond the Top Ops Competition. Whether I wanted the prospect to network with thousands in the field, learn more about cutting-edge technology displayed in the massive Exhibit Hall, or hear from top professionals on an array of topics related to our everyday jobs – ACE was the place!

I arrived in San Diego on Saturday to take advantage of the Sunday workshops. I attended the UV and Ozone Advanced Oxidation Processes – Practical Information on an Emerging Treatment Approach workshop. I was impressed with the line-up of speakers; all were top professionals that have devoted years to the development of valuable research projects. Each speaker was extremely knowledgeable on the topic and had a lot to offer. I learned a lot from this workshop.

**“I was impressed with the line-up of speakers; all were top professionals that have devoted years to the development of valuable research projects.”**

After the workshop, I had the opportunity to meander through the Exhibit Hall. There were so many relevant companies; I only made it half way through before realizing it was almost time for closing and would have to revisit another day.

The next time I was able to visit the Exhibit Hall, I watched a portion of the Tapping Contest. This was a highlight of the conference! The rush, the enthusiasm, the strength, the time and energy devoted to practicing. If you never witnessed this at the National level, you must go. AWWA NJ sponsors the local competition winners to attend ACE and compete at the National level. United Water staff competed this year and they were quite impressive. I was proud to be from New Jersey. PVWC competed in the AWWA NJ Tapping Contest in 2008.

Another great networking opportunity offered at ACE was the Top Ops Competition. I had the privilege of competing with the Passaic Valley Purifiers. It was so exciting to partake in the competition! I was intimidated at first by the intensity of the other teams but was pleasantly surprised at how many questions we were able to answer correctly. It was a learning experience that motivated me to study harder. I felt camaraderie with my PVWC teammates (Mark Romain and Drew Saskowitz) and we were so pleased at the support we received from our fellow New Jerseyans attending the conference... Thanks!

## Top Ops Testimonials

Some of my teammates and colleagues wanted to tell you about their Top Ops Competition experience. It is a great experience, get a team together, you won't regret it!

**Mark Romain, a teammate from the Passaic Valley Purifiers, had some comments on his experience on the Top Ops team...**

*“In December of 2007, Laura Cummings of Passaic Valley Water Commission asked me if I would be interested in participating in the Top Ops Competition in March 2008. I had never been to one of the competitions, but I was enthusiastic about doing it. I had my W-2 license for a long time and needed a push to get my W-3 license on track. The competition was the thing I needed. Our first Top Ops Team (Drew Saskowitz and Dave Melnick), the Aqua Men, got the books out and started to study. We competed locally and then at ACE 08 with Edgar Alicea acting as a substitute for Dave Melnick.*

*Since then I have passed my W-3 Exam and competed with the Passaic Valley Water Top Ops Team in 2008 and 2009 on the state and national level. I definitely learned a lot more about our industry and would like to encourage all water operators to get involved in the AWWA NJ. There are a lot of learning opportunities and good people too.*

*Special thanks to Mona Cavalcoli, Tim Cupo, Laura Cummings, Joe Bella and the Passaic Valley Water Board of Commissioners for their support.”*

**Andrew Saskowitz, a teammate from the Passaic Valley Purifiers, and former Aqua Men team member, had some comments on his experience on the Top Ops team...**

*“I have participated in the Top Ops Competition for the last two years. Preparing for the competition has vastly improved my knowledge of water treatment and distribution. Not only have I been able to put this to good use in everyday activities at work, it also prepared me to take my T-2 examination last year. The competitions are a lot of fun and provide a great opportunity to meet new people in the industry. Traveling to new cities like Atlanta (ACE 08) and San Diego (ACE 09) to compete in the nationals is an added incentive to perpetually expand my knowledge in the field. I have enjoyed my Top Ops experience and look forward to competing in the future.”*

**Edgar Alicea, a Top Op competitor with the Aqua Men and Passaic Valley Purifiers, commented on his experience...**

*“It was a great experience to compete in the 2008 National Top Ops competition with the Aqua Men and defend our title in 2009 at the local level. I had the opportunity to travel to different places and meet people from other water utilities. In addition to the excitement that Top Ops brought to all the participants, while preparing yourself for the competition it broadens your understanding of the science involved in the water industry. I am looking forward to competing again in the future.”*

*continued on page 12*



# A Reminder from the Small Systems and Operators Committee

By Brian Carr

The Small Systems and Operators Committee has several upcoming events to keep in mind:

**Best Gadget Contest:** This contest will be held for the second year. Submit the specialty solution that you or your organization developed in-house, and you can win prizes at the Annual Conference. Entry forms and further details will be posted on the AWWA NJ website in early January.

**Top Ops Bowl:** It is not too early to submit your name or put together a team to take part in what has been called by some, “the best operator’s competition at the conference.”

Compete against other teams of licensed operators for bragging rights as well as a trip to the national conference. See this month’s *Pipeline* article below for more details on a new special offer to participants.

**Tank Building Competition:** Demonstrate your skill in developing improvised infrastructure and compete against others in the second running of this contest. Last year’s contest of building an elevated water tank out of everyday materials was a popular spectator sport for the Wednesday lunch crowd. We would not ask you to show your skills for free, so prizes will be awarded to the tallest structure that

survives at max capacity. Entry forms and contest rules and details will be posted on the AWWA NJ website in early January.

**Winter Education Event:** Look for a Small Systems and Operators Educational Seminar to be held early next year.

Further information on these and other events will be available on the AWWA NJ website as well as future issues of *Pipeline*.

*Brian Carr is a Project Manager with CMX and a member of the Small Systems and Operators Committee.*

## Save the Dates!

Don’t miss next year’s Annual Conference or Fall Meeting. Mark your calendars.

**AWWA NJ’s 75th Annual Conference**  
April 13 – 16, 2010  
Trump Taj Mahal  
Atlantic City

**AWWA NJ’s Fall Meeting**  
September 23, 2010  
Eagle Ridge Golf Course  
Lakewood

## SSOC Steps Up Recruiting Efforts For Top Ops

By Brian Dougherty

At next year’s AWWA NJ Annual Conference the Small Systems and Operators Committee (SSOC) will again sponsor the annual Top Ops competition. For those of you who that have never experienced this great event, here’s the skinny: the Top Ops Operator Bowl is a game show style competition that quizzes licensed operators on the subjects of water supply, treatment, and distribution. The competition is held each year at the Annual Conference and is always a fun time for competitors and audience alike.

Although Top Ops 2010 is a few months away, the Small Systems and Operators Committee (SSOC) is actively recruiting licensed operators that have an interest in participating. This year we’ve stepped up our recruitment effort and are no longer requiring that operators form their

own three-member team in order to compete in Top Ops. If you are interested in organizing a team, you are still strongly encouraged to do so. However, we recognize the challenges in finding three members of the same utility who are not only interested in competing but also available to attend. So, this year, individual contestants are encouraged to submit their name and the SSOC will create the teams from a pool of applicants.

As an incentive, this year all participants in the Top Ops competition will be given a certificate for \$200 to be used on a Rutgers operator training course of your choosing. Win, lose, or draw, all competitors will walk away with a certificate for up to 4 TCHs! Additionally, as with prior years, the winning team will have their names etched on the legendary Top Ops Trophy. The winners will also be awarded \$1,200 towards travel expenses to represent AWWA NJ in the National Top Ops Operator Bowl Competition. This year the winning team will be headed to Chicago, home to the deep dish pizza, three of the world’s tallest buildings, and the birthplace of the Hostess Twinkie (it’s true, look it up).

**As an incentive, this year all participants in the Top Ops competition will be given a certificate for \$200 to be used on a Rutgers operator training course of your choosing.**

Any individuals interested in participating in this great event – earning free contact hours, exhibiting your extensive water knowledge, experiencing the thrill of competition, and possibly winning it all – please submit your name to the SSOC now. For further information, please contact either of the SSOC’s co-chairs: Max Huber at (973) 989-0010 ([mhuber@agra.us](mailto:mhuber@agra.us)) or Ken Ern at (732) 780-6790 ([kern@gordonscornerwater.com](mailto:kern@gordonscornerwater.com)). Interested individuals and teams will be slotted on a first-come, first-serve basis. Top Ops 2010 is just around the corner and it promises to be the most exciting competition yet!

*Brian Dougherty is an Associate with Hatch Mott MacDonald and a member of the Small Systems and Operators Committee.*

**This year we’ve stepped up our recruitment effort and are no longer requiring that operators form their own three-member team in order to compete in Top Ops.**

# Interested in a Conference with 1,900 Women?

By Lindsey Olson



**Laura Cummings, Jon Corzine, and Lindsey Olson (l to r)**

If you answered “yes” to the above question and you are a woman, then GREAT; we will see you at the NJ Governor’s Conference for Women next year! If you answered “yes” and are a man, you will have to live vicariously through this article. The New Jersey Section was represented at the NJ Governor’s Conference for Women on May 11th and 12th by Laura Cummings, Vice Chair of the NJ Section, and me. The conference is hosted by the Department of Community Affairs’ Division on Women, which is led by Director Janice Kovach. The theme of this year’s conference was “Shaping the Future” with a variety of workshops and seminars on personal and career development, financial management, and health and wellness. This year, over 1900 women attended the state’s largest networking opportunity for New Jersey women.

Monday night was a networking reception with guest speaker, EPA Administrator, Lisa Jackson. Tuesday morning opened with the former

CEO of Harper Publishing, Jane Friedman, speaking on her dynamic career, followed by a morning seminar session. During lunch, there were two extraordinary speakers, Governor Jon Corzine and author, actress and writer Dr. Maya Angelou. The lunchtime speakers were followed by two additional sessions to close out the day.

It was a magnificent conference to network with other women and to

learn and explore the challenges and opportunities that women have in the workplace. To find out more information on what went on at this year’s conference or to check back for the 2010 conference information, you can visit the conference website, <http://www.nj.gov/dca/womensconference/>.

*Lindsey Olson is a Design Engineer with American Water and the Chair of the New Jersey Section.*



**Laura Cummings, Lisa Jackson, and Lindsey Olson (l to r)**

## North Jersey Water Conference

By William Mowell

The North Jersey Water Conference (NJWC) is an organization of professionals from various aspects of the water works profession dedicated to providing educational opportunities within the profession; familiarizing its members with various regulations, equipment, processes, materials, etc.; and creating fellowship.

The 200 member organization holds monthly meetings from September to June, which typically include a one TCH seminar on a varying degree of water works related topics, a social hour, and dinner and are held throughout the northeastern portion of New Jersey. Several of the monthly meetings have a specific theme, notably:

- “The Vendors’ Event” is held each October and provides a forum of Vendors (equipment manufacturers and representatives, service providers, consultants, suppliers, and so forth) to display their wares for the water works profession in a table top format. About 40 Vendors usually display and attendance reaches 150 people. The event includes a three TCH Seminar for Licensed Operators, which is also an excellent venue for educational product demonstrations.

- A cocktail reception is held with our counterparts from southern NJ at the AWWA NJ Annual Conference in Atlantic City.
- “The H.V. Florence Charity Golf Classic” offers a great day of springtime golf and the ability to support the NJWC Scholarship Fund and charitable organizations and causes.

The NJWC produces an annual advertisement journal with listings of members, advertisements, information on the NJWC, schedules of events, past officers, etc. This useful and informative publication is presented each year at the Vendors’ Event.

The North Jersey Water Conference offers a good opportunity to supplement a professional career, gain educational opportunities, and establish additional contacts around the profession. For further information, contact Wm. Mowell, Treasurer at (201) 670-5509 or [wmowell@ridgewoodnj.net](mailto:wmowell@ridgewoodnj.net) or visit [njwc.info](http://njwc.info).

*William Mowell is the Chief Engineer at Ridgewood Water, Treasurer of the North Jersey Water Conference, and a member AWWA NJ.*

# AWWA Standards Committees' Volunteer Opportunities

The standards program is always in need of qualified volunteers to serve on AWWA's various standards committees. Many committees need members to replace those lost through attrition, and/or to balance the committee. If

you are interested in volunteering for one of the committees listed below, please complete a volunteer application at [www.awwa.org/Volunteers](http://www.awwa.org/Volunteers).

COMMITTEE NAME	POSITION*	STAFF CONTACT**
Activated Carbon, Powdered Carbon	P	Tim McCandless
Air Release and Air/Vacuum Valves	U	Frank Kurtz
Backflow Preventers	P	Frank Kurtz
Ball Valves	All	Tim McCandless
Butterfly Valves	All	Tim McCandless
Carbon Dioxide	P	Steve Posavec
Concrete Pressure Pipe	P & U	Frank Kurtz
Concrete Water Tanks, Tendon-Type PS	P & U	Frank Kurtz
Disinfection of Facilities	P	Tim McCandless
Distribution Systems	P	Liz Ralph
Fiberglass Weirs, Troughs & Baffles	P	Frank Kurtz
Gate Valves & Swing Check Valves	U	Tim McCandless
Grooved & Shouldered Joints	I	Tim McCandless
Horizontal & Vertical Line-Shaft Pumps	P & U	Tim McCandless
Ion Exchange	P & U	Liz Ralph
Oxygen for Ozone Generation	P & U	Liz Ralph
Polyelectrolytes	P	Steve Posavec
Regulating Valves	GI	Tim McCandless
Scale & Corrosion Control Chemicals	P	Steve Posavec
Security Practices for O&M	P & U	Liz Ralph
Slide Gates	GI & U	Frank Kurtz
Source Water Protection	P & GI	Liz Ralph
Submersible Vertical Turbine Pumps	P & U	Tim McCandless
Thermosetting Fiberglass Reinforced Plastic Pipe	P & U	Frank Kurtz
Thermosetting Fiberglass Reinforced Plastic Tanks	GI & U	Frank Kurtz
Water Meters	GI	Frank Kurtz
Water Treatment Plant	P & GI	Liz Ralph

## \*Position classifications:

**P = Producer** — those responsible for or interested in the production, use of and/or sale of the material, product, system or service that falls within the scope of the committee. Usually an employee of a supplier or manufacturer.

**U = Users** — those responsible for or interested in the use of the material, product, system or service that falls within the scope of the committee. Usually an employee of a drinking water provider.

**GI = General Interest** — those who have interest other than producers or users. Usually a consultant or in academe.

## \*\*Contact Information

Frank Kurtz, [fkurtz@awwa.org](mailto:fkurtz@awwa.org) or (303) 347-6221

Tim McCandless, [tmccandless@awwa.org](mailto:tmccandless@awwa.org) or (303) 347-6285

Steve Posavec, [sposavec@awwa.org](mailto:sposavec@awwa.org) or (303) 347-6175

Liz Ralph, [lralph@awwa.org](mailto:lralph@awwa.org) or (303) 347-6177

# My Experience at ACE 2009

(continued from page 8)

## Laura Cummings, PVWC Plant Superintendent, had a comment on the benefits of enrolling a team to participate...

*"The benefits of developing the original Aqua Men and Passaic Valley Purifier Top Ops teams are endless. One of the most important benefits was establishing new internal professional relationships for staff from different departments including PVWC's Laboratory, Operations and Distribution Departments. These relationships allowed new staff to gain a broader insight into the complexities of everyday operations. Studying for the competition also provided a fun atmosphere for the alternative objective of preparing for the DEP licensing exams. The fact that the competitions were fully supported by our Board of Commissioners, in particular Idida Rodriguez and Robert Vannoy, and by Joseph Bella, Executive Director, all of whom attended many of the competitions, says*

*a lot about PVWC's commitment to encouraging and supporting staff development. In addition, these experiences would not have been possible without the leadership of the Small Systems and Operators Committee and the overall support of AWWA NJ. Our team members made many professional contacts in the industry throughout this process, contacts that will last throughout their entire career. I am very proud of our staff for competing and hope to see*

*some new additions to PVWC's 2010 Top Ops and Tapping Teams. We hope to see other members of AWWA NJ join in the fun TOO!"*

*Andrea Giallorenzo is a Senior Chemist with the Passaic Valley Water Commission and a member of both the Education and Professional Development Committee and the Strategic Planning Committee.*

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suggest or indicate Section policies or procedures. *Pipeline* editors reserve the right not to publish any article or notice deemed inappropriate or contrary to the purpose and mission of the newsletter. Editors reserve the right to edit written material for style and readability while maintaining the intent and stated purpose of the material.



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New Jersey Section

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