LETTER FROM THE CHAIR  

By Dennis L. Ciemniecki

The trip home from this year’s Regional Meeting of Section Officers or RMSO allows me time to write you this update covering Section activities and progress on several strategically important items. Mystic, CT was the quaint location for the RMSO, and because it’s a short distance from NJ, nine Section members attended this annual exchange of ideas and solutions among AWWA's Region 1 leaders. The 1-1/2 days were fully packed with presentations and workshop activities by all Sections. I particularly liked the agenda items involving the AWWA membership survey results. NJ’s numbers are very helpful in determining our demographics, membership value drivers as well as key industry concerns. These data, in turn, help both your Section Trustees and Committee Chairs.

Drinking Water Week Begins with Dr. Leal Monument Dedication

“Hero of Public Health” Honored

By Dennis L. Ciemniecki with Michael J. McGuire

Imagine adding a small amount of poisonous chlorine to the water supply in order to kill harmful germs. That’s exactly what Dr. John L. Leal proposed in the early 1900’s right here in New Jersey. His personal conviction, courage and scientific insight withstood opposition to this “illogical and unsafe” idea and gave

My Experience at ACE 13

By Josef Argenio

The ACE 13 poster session competition in Denver, CO was an enjoyable learning experience which provided an extraordinary amount of additional technical insight and advice. The poster session allowed for small group and one-on-one discussions.

TEAM Water for People Raises Over $15,000 Running the NYC Marathon!

On Sunday Nov. 3, seven dedicated individuals joined more than 50,000 runners for the challenge of running the New York City Marathon. In doing so, they not only elevated their own personal achievements, but also helped to raise more than $15,000 for Water For People.
target and undertake activities that serve you and your specific interests in the best way possible.

Watch for the survey results to be posted on our web site next month, but for now, did you know:
- 54% of our members are involved with both water and wastewater service
- 87% of members place a value on their membership that exceeds the membership fee
- 51% of members place the lack of public understanding of the value of water as a top professional issue

October is always a busy month at AWWA NJ. In addition to the RMSO, we have many Committee meetings and, of course, our Fall Conference. With a new venue, Jumping Brook Country Club, the great agenda featured the latest, NJ specific information on post-Sandy infrastructure renewal, emerging regulatory standards and project financing. More than 100 conference attendees participated in great networking, technical presentations earning up to 6.5 TCHs (including professional engineering ethics), golf and a very enjoyable reception dinner at the end of this day. A big thank you to Bill Gettings, Eileen Feldman, Alex Wells and everyone in the Conference and Technical Program Committees for putting together a great day!

Demographics, value and membership growth are the three key themes that will prepare our Section for the future. I will briefly share with you positive updates in all these areas.
- We now have significant data on our Section that is beginning to show how members are distributed across generations, but almost 45% of our members elected to not report their age group. We will work over the next two months to ask members to self-declare in order to improve the data completeness. A demographic wave in our Section appears to exist with 35% of current membership in the Baby Boomer or older generations. Improved data will help us understand the membership challenge we will face in the coming 10-years.
- The membership survey results clearly indicate how our members receive value from AWWA NJ. The three most valuable benefits are 1) staying current with local industry news & information, 2) attending Section conferences & training events, and 3) networking/knowledge sharing. We will continue to provide events and activities that directly deliver what members value most.
- Membership growth continues to be a challenge with membership essentially remaining the same so far this year. A bright spot is we are close to meeting the new member retention goal; almost 2/3 of members joining last year have renewed their membership this year.

The Section has undergone a small amount of organizational change that fills some vacant roles, reflects future Section needs and allows Committee succession plans to unfold. Joe Stanley will succeed Chris Andreasen as Chair of the Strategic Planning Committee. Juan Donoso has agreed to become the Assistant Secretary Treasurer. Alan Dillon will Co-Chair the Infrastructure Management ad-hoc Committee with Laura Cummings. And finally, the Section Audit Committee will transform into a Financial Policy and Advisory Committee to help guide the Trustees is financial policy now that nonprofit organizations must conduct an external audit annually. Welcome to all and thank you for contributing your expertise and time to the NJ Section. A special thanks to Chris because he has truly helped lead the Section and improve its governance over the years. Please take note; there remain many opportunities to actively participate in your Section. You likely know that participation increases the level of satisfaction you have with your AWWA membership. So, call a Trustee, a Committee Chair or our Section Manager, Mona, to find out more or explore a particular interest you may have.

Nationally, the Water Infrastructure Finance and Improvement Authority (WIFIA) legislation continues to advance despite the turmoil in Washington, DC. As you may know, the U.S. Senate passed its Water Resources Development Act (S. 601) last May containing a title creating a WIFIA pilot program. In early October, the House Committee on Transportation and Infrastructure passed its own Water Resources Reform and Development Act, or WRRDA (H.R. 3080). As expected, it did not contain a WIFIA component.

We expect U.S. Rep. Bob Gibbs of Ohio, chair of the House Subcommittee on Water Resources and the Environment, to introduce his own stand-alone WIFIA bill in November. The political dynamics of the House are different from the Senate, and it is believed that WRRDA will need to be as “clean” as possible to get through the full House. However, as you may remember from civics class, if the House and Senate pass different versions of a bill, they must meet in a conference committee to iron out a single, uniform bill. It then goes back to the House and Senate for an up-or-down vote without amendment. Because there already is a WIFIA component in the Senate bill, it is an item that can be considered in the conference committee. That’s why AWWA NJ has been continuing to ask members of Congress to support WIFIA, to keep the pressure on so WIFIA is in the single bill coming out of the conference committee.

Given the nation’s budget situation, the State Revolving Fund Program will likely be reduced without regard to WIFIA. This will make an additional financing vehicle like WIFIA even more important. Please visit http://www.awwa.org/legislation-regulation/issues/infrastructure-financing.aspx for more details and take action now by calling your representative and giving your support to this proposed legislation. Steve Specht, Chair of the Water Utility Council or I can give you key speaking points to help formulate your message. Your Representatives need to clearly hear your support for WIFIA.

In closing, let me personally extend an invitation to register for our Annual Conference. It will be held at the Trump Taj Mahal on March 18-21, 2014 and will focus on key management, treatment, distribution, and operational issues as we work on “Delivering Water Efficiency Through Innovation.” Planning is well underway with some new events and an expanded vendor display area. Mark your calendars and look forward to seeing you there!

Dennis L. Cierniecki is the President of Strategic Performance Consulting, LLC and the Chair of the NJ Section
Careers in the Water Industry
Joint Effort of the Education and Professional Development Committee and Student Affairs Committee  By Frank Falco

Over the last several years we have heard and read various projections about water industry professionals retiring and a decline in qualified individuals joining the workforce to take their place.

The Education and Professional Development Committee is working on a joint effort with the Student Affairs Committee on a presentation to be debuted in Fall 2013 at the NJIT student chapter event “All Things Water”. The presentation is designed to introduce college students to the water industry as a possible career path. Seasoned industry veterans will be teamed with professionals who have recently joined the water industry. They will share their experiences from various backgrounds and careers in the industry such as plant operators, regulators, laboratory, water quality, manufacturing and consultants to name a few. The presentation will offer information such as:

- What is a typical day like in these roles?
- What level of education is required?
- What level of compensation can you expect?
- How do I start my career in the water industry?

Students will have an opportunity to interact with presenters, ask questions and network.

The program is intended to be a template that can be used for presentations at other colleges and educational institutions.

One valuable resource that aided in the development and molding the presentation was http://www.workforwater.org. The site is a joint project of the American Water Works Association and Water Environment Federation. It contains a variety of resources and materials for Utilities and Students (High School through College). It’s well worth visiting. Stay tuned for updates!

Frank Falco is the Director of Production at Middlesex Water Company and a member of the Education and Professional Development Committee

Drinking Water Week Begins with Dr. Leal Monument Dedication (continued from page 1)

Remarkably, Dr. Leal and family members, until recently lied in an unmarked grave at Cedar Lawn Cemetery in Paterson, NJ. Deep and thorough research leading to the documentation of this amazing, local hero lead to this and several other historic discoveries detailed in the new book, The Chlorine Revolution: Water Disinfection and the Fight to Save Lives.

On Sunday, May 5th, the beginning of National Drinking Water Week, AWWA NJ Section participated in the dedication of a grave site monument with two great grandchildren of Dr. Leal, Hank and Scott Morehouse, Mike McGuire, Joe Bella, Executive Director Passaic Valley Water Commission, Laura Cummings, Executive Director Southeast Morris County MUA along with AWWA NJ members. The descendants, like most of the world were unaware of their great grandfather’s 1908 innovation and major contribution to public health.

On behalf of AWWA, the Morehouse brothers received a Water Industry Hall of Fame plaque to replace one previously awarded and now lost. Family members turned the plaque over to Joe Bella for permanent storage in the Water Museum at the PVWC Little Falls Treatment Plant where Dr. Leal served as water quality supervisor for several years.

Dennis L. Ciemniecki is the President of Strategic Performance Consulting, LLC and the Chair of the NJ Section and Michael J. McGuire is Environmental Engineer and writer at Michael J. McGuire, Inc.
**Livingston Awarded Best Tasting Water in New Jersey by AWWA NJ**  
By Kathleen Udasco

On August 20, 2013, the Public Information Committee presented the Township of Livingston with the award for best tasting water. Livingston was the winner out of seven other utilities at the Annual Conference’s water taste test held back in March.

AWWA NJ Section Chair Dennis Ciemniecki presented the award to Livingston Engineer, Richard Calbi. Also on hand was AWWA NJ members Celenia Fernandez, Max Huber and Kathleen Udasco along with Livingston’s Senior Foreman of Water Operations, Ralph Rea, Administrative Assistant of Water & Public Works, Carole Testa, and Superintendent of Public Works, Michael Anello.

“The Township of Livingston is honored to be the recipient of this esteemed award,” said Calbi. “One of the most important jobs we have as water purveyors is to make sure the water that comes out of the customers’ tap is safe and excellent to drink. It is good to see that AWWA NJ recognized the importance of these water characteristics and Livingston looks forward to competing again at next year’s contest.”

Results for the taste test were announced at the awards ceremony on the last night of the conference. Over 90 people tested all of the submissions and then choose their favorite sample.

The Public Information Committee is holding the water taste next year on **Wednesday, March 19 at the 2014 Annual Conference**. If interested in participating in next year’s competition, please email **Kathleen.Udasco@amwater.com**.

*Kathleen Udasco is a Communications Coordinator at New Jersey American Water and chair of the Public Information Committee*

**My Experience at ACE 13**  
(continued from page 1)

with industry experts. I was able to convey the process of my project, from hypothesis to conclusion, to a highly technical audience. The poster I presented was entitled: “Shenango Water Treatment Plant Improvement Project Pilot Testing: Dissolved Air Flotation & Filter Optimization”. The project was a pilot study located at the Aqua Pennsylvania Shenango Water Treatment Plant in Sharon, PA and consisted of a dissolved air flotation (DAF) pilot system that was being compared to the existing treatment process of rapid mix and ballast flocculation (ACTIFLO). The study also included pilot testing varying filter media columns to determine the optimal media configuration in the water treatment process. My discussions with industry professionals about the project were very enlightening. It brought forth additional perspectives and considerations on varying approaches and different solutions. It was an honor to represent the New Jersey Section of AWWA as their “Fresh Ideas” winner at ACE 13. At ACE, I was able to attend relevant technical sessions, present my project to leading industry experts, observe pilot equipment in operation at the vendor exhibit hall, and participate in networking events. I had a rewarding and gratifying experience, which was full of events, sessions, and activities. Overall, ACE 13 provided an entertaining and knowledgeable atmosphere that I was glad to be a part of.

*Josef Argenio is Engineer at Hatch Mott MacDonald and recipient of the NJ Section’s 2013 Fresh Ideas Award.*
Living History Hits the Web
Living History 6th Edition By Brian Applegate with John Civardi

Earlier this year the Retired Professionals Committee prepared the 6th edition in a series of documentary videos titled “The Living History.” These videos have been available to view at the Annual Conference for the past six years, and now for the first time, they have made it to the web and can be accessed from the AWWA NJ YouTube page: http://bit.ly/JN495r. The goal of these videos is to allow retired industry professionals to share their views on water industry practices, their experiences, views on the Section, and how changes in local and regional regulations have changed the landscape of our industry. These videos help to record the history of our Section and provide young professionals with a global perspective from industry leaders.

In this most recent edition, three individuals are interviewed and tell their stories on the fulfilling careers they have had in the industry. These speakers were Tom Dawson, Gary Westerhoff, and Guido von Autenried.

**TOM DAWSON**
Tom Dawson worked on the operations side of the Water Industry; starting out just after leaving the Air Force, he became employed by the Department of Public Works for the Borough of Waldwick achieving the position of Foreman, and then later becoming the Superintendent of Public Works for the City of Ho-Ho-Kus. Tom has been part of the New Jersey Section since 1983 and has held many key roles. Tom speaks about many of the key changes in the water industry during his career and the experiences he had while holding many positions with AWWA.

**GUIDO VON AUTENRIED, P.E., P.P., BCEE**
Guido von Autenried was educated and has an MCE from the Technical University of Darmstadt German. He is a Professional Engineer in New Jersey, New York, Pennsylvania and the Commonwealth of Virginia. He is a Professional Planner in New Jersey and is a Diplomat in the American Academy of Environmental Engineers. He is the Principal and Chief Engineer at Buck, Seifert & Jost. Guido has more than fifty-six years of experience in civil, structural and sanitary engineering on projects in the United States, Germany, Puerto Rico and Latin America. Guido’s responsibilities have covered all phases, from preliminary design, including water and waste water treatment process studies, to final design and office phase of construction inspection and design and installation of supervisory control systems for plants and distribution systems. Within New Jersey, he has worked with several water and waste water systems. In 2011, Guido was awarded the New Jersey Section’s highest honor, the George Warren Fuller Award. He speaks about many of his experiences in the water industry during his career.

**GARRETT P. WESTERHOFF, PE, BCEE, MEMBER NAEE**
Former chair and chief executive officer of Malcolm Pirnie and longtime director of Malcolm Pirnie’s drinking water programs, Garret P. Westerhoff (Gary) is a leading national expert with more than 40 years of experience with water treatment systems, water resources planning and management of water utilities. Gary is a member of the National Academy of Engineering and has held leadership positions in national and international professional societies. He has authored more than 100 articles on drinking water and was the lead author of two books published by AWWA: The Changing Water Utility: Creative Approaches to Effectiveness and Efficiency (1998) and The Evolving Water Utility: Pathways to Higher Performance (2003). The latest book that he coauthored, Activated Carbon Solutions for Improving Water Quality was published in January 2013 by AWWA.

A licensed Professional Engineer in 14 states and a Professional Planner in New Jersey, Gary holds a BS and MS degrees in engineering from the New Jersey Institute of Technology, is an Honorary Member of AWWA and is a former member of the National Research Council’s Water Science and Technology Board.

Retired since 2008, Gary continues his passion for fly fishing throughout North, Central and South America and is a professional photographer, specializing in landscape and wildlife photography. His work has recently been published in a book on nature photography.

Each of these individuals demonstrated great perseverance, commitment to excellence, a strong work ethic, along with a genuine concern for improving the environment and the protection of public health. One of the most important things to be taken from this video is that these gentlemen seek to pass on their skills and knowledge to the next generation of Professionals, so please take a moment to enjoy the History that they have to share.

The Retired Professionals committee would like to thank our interviewers Mike Opaleski, and John Civardi, the production team at Nutley High School, the AWWA NJ IT Committee, and Stacey Fysz for helping to make this video series a reality. If you have any questions or concerns about the film, the committee, or if you are interested in helping out with the next video, please feel free to contact John Civardi at john.civardi@hatchmott.com.

Brian Applegate is an Intern at Hatch Mott MacDonald and a member of the Pipeline Committee, and John Civardi a Vice President at Hatch Mott MacDonald and Chair of the Retired Professionals Committee.

By Brian Applegate with John Civardi
Annual Sporting Clay Social Shoot Event
Hosted by the Licensed Operator Committee  By Max Huber

The AWWA NJ Section’s “Licensed Operator Committee” (formerly known as the “Small Systems & Operators Committee”), hosted its Annual Sporting Clay Social Shoot event at the Lehigh Valley Sporting Clay (LVSC) facility in Coplay, Pennsylvania on October 28th, 2013. LVSC is located at the site of an old limestone quarry, with many of the shooting stations utilizing old buildings and water features, similar in size and set up to what you might see at a golf course.

This year’s attendance was the best ever, with over 60 people registered for the event. After the registration, there was sandwich and salad lunch where attendees spent time “talking shop” with other members of our water industry. The day provided great weather, and the fall foliage in the Lehigh Valley was at its peak.

After a safety briefing provided by LVSC instructors, attendees mounted their golf carts in the standard “foursomes” and drove out to the various stations around the course. The idyllic vista was soon marked by the sound of attendees again trying their best to hit every one of 100 small orange clay discs. The biodegradable clay discs, also known as clay pigeons, are thrown by special machines at speeds of nearly 60 mph. Each attendee gets 100 targets and 100 shells to try to break them. So, if you think it’s easy, think again!

Keep a look out next fall for the Licensed Operator Committee’s Annual Sporting Clay Social Shoot and plan on attending!

Max Huber is the owner of Agra Environmental & Laboratory Services and Co-Chair of the Licensed Operator Committee

---

Summary of the “Lead Free Plumbing Rule” and Frequently Asked Questions  By Carol T. Walczyk

The Reduction of Lead in Drinking Water Act ("Act"), also known as the Lead Free Plumbing Rule, was enacted on January 4, 2011. The Act amends Section 1417 of the Federal Safe Drinking Water Act to prohibit the “use of any pipe, any pipe or plumbing fitting or fixture, any solder, or any flux, after June 1986, in the installation or repair of (i) any public water system; or (ii) any plumbing in a residential or non-residential facility providing water for human consumption, that is not lead free.” The Act further redefines “lead free” to lower the maximum lead content of the wetted surfaces of plumbing products such as pipes, pipe fittings, plumbing fittings and fixtures from 8.0% to a weighted average of 0.25%. The requirements of the Act become effective as of January 4, 2014.

The Act specifically allows exemptions from the lead free requirements for “pipes, pipe fittings, plumbing fittings or fixtures, including backflow preventers, that are used exclusively for non-potable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption;” and “toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are 2 inches in diameter or larger.” It was thought that fire hydrants were also exempt, since they are generally used for non-potable service. However, a Frequently Asked Questions (FAQs) guidance document issued by USEPA in late October 2013 indicates that fire hydrants do not qualify for exemption from the lead-free requirements, because they can be used to provide drinking water in emergency situations. This unexpected determination may present problems for utilities that have warehoused an inventory of noncompliant hydrants, and for any hydrant manufacturers who are not be prepared to initiate production of lead-free hydrants before January of 2014.

The Act can be found at: http://www.gpo.gov/fdsys/pkg/BILLS-111s3874enr/pdf/BILLS-111s3874enr.pdf and the FAQ document can be found at: http://water.epa.gov/drink/info/lead/upload/epa815s13001.pdf.

Carol Walczyk is a Senior Project Manager at Hatch Mott MacDonald and the Section Vice Chair.
Planning for the Section’s Future  By Joe Stanley

Every five years the Section undergoes a review of its Strategic Plan to ensure that we stay relevant and in synch with the Association. The Strategic Planning Committee has recently started this process and is interested in what our Section's members are thinking. In order for a plan to be truly useful, it must be a consensus of our entire organization and cannot be done in a vacuum. What may seem perfectly logical to me as an engineer may inadvertently adversely impact another segment of our membership. I have tried to assemble a committee that is diverse in our roles within the water industry and in gender. We have had a couple of meetings already and it is clear that such diversity will prove beneficial to the Section.

We have established the following areas that we will be reviewing and have classified them by priority. Our goal is to have a draft report that we can submit to the Trustees in February, which is no small task. However, we have a very energetic committee who are willing to roll-up their sleeves and get to work.

High Priority
- How does the Section’s plan align with the Association’s and what can be done to maximize the alignment?
- How can the Section be more relevant to the public and legislators?
- Can the Section work more closely with the DEP and BPU to ensure that all three groups have a common and complimentary direction?
- Should the Section do more to promote ethics in the water supply industry?
- Is the Section doing enough to attract high school and college students to the water industry?

Secondary Priority
- Revisit the change in the number of Trustees – is it working well, does it need to be tweaked or changed and does it prepare individuals to chair the section?
- In light of recent issues, how are nominations and selections for Trustees and Director made, should there always be elections, should minimum qualifications be established or does it need to be changed?
- Do committees need to be realigned, combined or new ones created?
- How can member engagement be maintained or increased?
- Is the Section meeting the education/training needs of our industry?

I have also contacted a large group of Past Section Chairs to act as an advisory group to our committee so that we can tap into their experience. In summary, I am very excited as are the rest of the committee members to undertake this very important project. Please feel free to contact me with any suggestions that you may have. We will also be reaching out to the committee chairs for their input.

Joe Stanley is a vice president at Hatch Mott MacDonald, a Life Member of AWWA, and the Chair of the Strategic Planning Committee

IN MEMORIUM
Jack Ferraro

AWWA NJ is saddened by the loss of Jack Ferraro, who passed away Saturday, November 9th. Jack was an active member of the NJ Section and of the North Jersey Water Conference. As a member of AWWA NJ’s Registration Committee, Jack could always be counted on to show up the Saturdays before the conference to help alphabetize and stuff badges, and he enjoyed working the registration desk and greeting attendees as they arrived.

Jack was recipient of the AWWA NJ Harold V. Florence Jr. Meritorious Operator Award in 1992 and was viewed as a tremendous support to younger staff in the water industry. He will be very much missed.
The Water For People Committee of the AWWA NJ Section hosted the 8th Annual Turning Wine Into Water event on September 20, 2013, at Laurita Winery to raise money for Water For People. The evening was a tremendous success and over $29,000 was raised for Water For People!

New Jersey supporters of Water For People and the AWWA NJ Section did it again. The event was a sell out with 200 people registered to attend and 22 sponsors! The Friday evening dinner involved a cocktail hour in the Tasting Room followed by a 4 course dinner with wine pairings in the Dining Room. The keynote speaker this year was Joe Goodwill, a former from Water For People Committee member who spoke about his tree trips abroad and the impact from Water For People’s work.

As the attendance and support from Section members increases every year, so does the quality of the silent auction items. This year we had 55 silent auction items including some donated items and some items on consignment. The donated silent auction items included items such as wine baskets, jewelry, autographed books, football and hockey tickets, a box at the Monmouth Park Racetrack, a weekend at a beach house, a 39” LCD TV, and much more. Special consignment items included signed album covers by Jimmy Buffet, Bruce Springsteen and the E-Street Band, Madonna, and Taylor Swift just to name a few. Over $7,000 was raised from the silent auction alone. Also new this year was a raffle to win a Louis Vuitton handbag valued at over $1,000! Montana Construction Corp. Inc. donated the handbag and only 100 raffle tickets were to be sold so attendee odds were pretty good (1 in 100), and the lucky winner was extremely excited!

Thank you to all of our volunteers and sponsors and special thanks to:

- **Vineyard Sponsor** – Pioneer Pipe Contractors, Inc.
- **Winemaker Sponsors** – Federici & Akin, P.A. Consulting Engineers, Montana Construction, CH2M Hill, McKernan Architects, and New Jersey American Water

With the continued success of this event and others, Water For People is well on its way to reaching the $50,000 goal set out at the AWWA NJ Annual Conference last March. We need to keep the good work up.

With leaves turning color it can only mean that Winter is not far behind. It is time for the annual Water For People Super Bowl raffle. Enter to win your dream and attend the Super Bowl at MetLife Stadium in 2014. Tickets are $50 each and only 600 tickets are available. To buy tickets, send your check made payable to PA Section AWWA –Water For People to: Mary Ann Royer, c/o Pennsylvania American Water, 800 West Hershey Park Drive, Hershey, PA 17033. Winner receives round trip airfare for 2, hotel accommodations for 4 nights, 2 tickets to Super Bowl XLVIII and VIP events escorted by Don Tollefson.

In addition, it is not too early to start thinking about the annual conference in March 2014. Water For People will be hosting its annual Drop in the Bucket Auction. If you would like to participate and donate an item, please contact Todd Powell at Tpowell@USPIPE.com or Michael Johnson at mjs@bsjinc.com.

The Water For People Committee is always looking for new members to assist with planning events. If you are interested in volunteering or finding out more about these events, please contact Michael Johnson at mjs@bsjinc.com or visit the AWWA NJ Section website at www.njawwa.org.

**Michael Johnson** is an Associate at Buck, Seifert & Jost, Inc. and the Chair of the Water For People Committee.

---

**TEAM Water for People Raises Over $15,000 Running the NYC Marathon!**

(continued from page 1)

Michael Johnson, Chair of the AWWA NJ Water For People Committee, spearheaded the team’s formation and fundraising – and ran the Marathon, too! Way to go, Mike, and everyone on Team Water For People.

If you would still like to support the team, donations can be made at [http://www.crowdrise.com](http://www.crowdrise.com).
Test Your Water Knowledge  By Brian Applegate

Across
2. A valve which will allow water to pass in one direction but will close and prevent flow (backflow) in the opposite direction.
6. The process of feeding ozone into a water supply for the purpose of decolorization, deodorization, disinfectant or oxidation.
8. Single-celled organisms which lack well-defined nuclear membranes and other specialized functional cell parts and reproduce by cell division or spores.
10. A common quality of water which contains dissolved compounds of calcium and magnesium and sometimes other divalent and trivalent metallic elements.
12. A chemical substance that gains electron (is reduced) and brings about the oxidation of other substances in chemical oxidation and reduction (redox) reactions.
14. The time measurement of linear motion (flow) in a given direction.
18. A waterborne protozoan that forms cysts and causes acute gastrointestinal illness in humans.

Down
1. A device installed as part of the water system through which water flows for the purpose of removing turbidity, taste, color, iron or odor.
2. Chemical complexes formed from the reaction between ammonia and chlorine being used to disinfect many municipal water supplies.
3. The amount of product water produced by a water treatment process.
4. The process of plants giving off watery vapor from their leaves and other surfaces.
5. The level of the top of the zone of groundwater saturation.
7. The process of separating the water from the organic and inorganic contaminants through a combination of evaporation (or vaporization), cooling and condensation.
9. Contact time.
11. Containing water; watery.
13. A measure proportion by weight which is equivalent to one unit weight of solute (dissolved substance) per billion unit weights of the solution.
15. A thin watery mixture of a very fine insoluble substance.
16. A natural water-bearing formation which is found below the surface of the earth.
17. The amount of small particles of solid matter suspended in water as measured by the amount of scattering and absorption of light rays caused by the particles.
19. A thin sheet or surface film, either natural or man-made of microporous structure that performs as an effluent filter of particles down to the size range of chemical molecules and ions.

Brian Applegate is an Intern at Hatch Most MacDonald and a member of the Pipeline Committee.

Look for the answers in next issue!
Welcome New Members!

AWWA NJ is pleased to welcome the following new members, who joined AWWA between January, 2013 and November, 2013. If you know these folks, please extend an additional ‘hello’ and welcome them to AWWA – the world’s largest association for water professionals!

Louis Am odio  
Brian Applegate  
David Applegate  
Nicholas Asselta  
Nina Astillero  
Jeffrey Baig  
Brian Bansrupan  
Alexander Barish  
Joe Best  
Cassandra Bockhorn  
Nicholas Brown  
Rick Calmes  
Marc Catud  
Timothy Chou  
City of Bridgeton Water Dept.  
Crave Infotech  
Scotty Crawford  
Kurt Croft  
Rina Dalal  
Aaron Damiani  
Tom Dauria  
Michael Felicetta  
Celenia Fernandez  
Robert Flock  
Andrew Furman  
Stephen Gates  
Aliasghar Ghadimkhani  
Tyler Golz  
Daysi Gomez  
Michael Grasso  
William Gray  
Richard Greene  
Christopher Hajjar  
Scott Handel  
Mark Hari  
James Henderson  
Jord Hope  
Jeremiah Hulsart  
Kelly Jackson  
Michael Johnson  
Chase Johnson  
Nitin Katriyar  
Michael Keenan  
John Kij  
Rebecca Kline  
Jessica Kretch  
Kelly Krolik  
Robert Lorfink  
Bryan Loureno  
Jeffrey Maccarella  
Edward Machala  
Krishna Malyala  
Nidhi Manchery  
Joseph Marchese  
John Mariani  
Joseph Matura  
Robert McAdams  
Peter McKenna  
Jared McKittrick  
Joe Mendez  
Richard Middleton  
Scott Mitchell  
Virginia Modafferi  
Gary Monks  
Shrikant Nistane  
Jesus Orozco  
Mickey O’Shea  
Radhika Patel  
Veronica Pellot-Marrero  
Daniel Penczak  
Steven Perez  
George Pfreundschuh  
Duane Pheasant  
Rebecca Pianese  
Rand Pianin  
Yosef Portnoy  
Shawn Rafferty  
Susan Raurh  
Eileen Reidy  
Gerry Remsen  
Christopher Retty  
Dennis Raycroft  
Christopher Rinaldi  
Jeffrey Rollins  
Dennis Raycroft  
Joseph Rubino  
Larry Rybacki  
Aaron Samet  
Silvia Santos  
Stephanie Santos  
Pedro Santos  
John Sheridan  
Yuichiro Shinoda  
Fred Sickels  
Michael Skorupa  
Jason Sladinski  
Douglas Slater  
George Smidhum  
Paul Sonntag  
Andrew Speight  
David Stanton  
Joanne Thomas  
Thomas Thornton  
Raymond Totten  
Jeff Trezza  
Colleen Turley  
Gary Vaccaro  
Raul Velasquez  
VIZBEE  
Martin Walters  
Joseph Weaver  
Jennifer Weldon  
Kester Wilkening  
Deborah Wilson  
Andrew Wilson  
Steve Wondrack  
Jonathan Yrrizarri  
Todd Zartman

Meet Our Newest Board Member, Secretary-Treasurer David Scheibner

By Mona Cavalcoli

For someone whose background is not water, or science, or engineering, Dave Scheibner has had a long career in the water industry. A native of Michigan, where he earned his Bachelor’s degree in Music, Dave currently serves as the Business Manager for Ridgewood Water.

When asked how he ended up working for water, Dave will tell you that it all had to do luck, timing, and a treadmill. While working out a local gym, Dave struck up conversation with another early morning exercise-seeker, and as conversation turned to job situations, Dave learned about a job opportunity as a meter reader. He took that opportunity, and more than 20 years later, Dave is still working at Ridgewood Water.

He’s also an active member of the North Jersey Water Conference and the AWWA NJ Section. At AWWA NJ, Dave is currently serving as the Secretary-Treasurer, but served on the Registration Committee, IT Committee and Public Information Committee before stepping up his involvement as a Board Member. He continues to serve on the Registration Committee, helping to manage “conference chaos” behind the scenes and providing guidance for younger members as they learn the ropes of committee and conference management.

Dave and his wife, Sook Hee, love traveling and have been to Africa, the Galapagos Islands, and even stayed overnight in the “ICEHOTEL” in Sweden. They reside in Ridgewood where Dave enjoys gardening and working on home improvement projects.
2013 Individual Application

Section 1 Member Information

☐ Mr.  ☐ Ms.  ☐ Mrs.  ☐ Dr.
Name _____________________________________________________
Title _____________________________________________________
Company Name ______________________________________________
Is your company a member of AWWA?  ☐ Yes  ☐ No
Company Member number (if known) ______________________________
☐ Home  ☐ Business
Address _____________________________________________________
City _______________________________________________________
State/Province __________ ZIP/Postal code __________ Country __________
Phone _____________________________________________________
Email _____________________________________________________
Were you referred by an AWWA member?  ☐ Yes  ☐ No
Referring Member ____________________________________________
Member # (if known) __________________________________________

Section 2 Payment

Annual Dues—Section 3A $________________________
Section Assessment**—Section 3B $________________________
Additional Section Option*—Section 3C $________________________
Total $________________________
*If applicable

Payment Method
☐ Check enclosed
☐ American Express  ☐ MasterCard
☐ Discover  ☐ Visa
Card Holder Name ____________________________________________
Card Number ________________________________________________
Expiration Date ______________________________________________

Your membership will be activated when payment is received.

Section 3A Annual Dues

☐ Individual Active $170
An individual, such as a water utility employee, municipal official, public health professional, engineer, scientist, educator, consultant, or other person interested or serving in the field of water supply. (02)

☐ Young Professional $99
A special discount for first-year dues for individuals interested or serving in the field of water supply, who are age 35 or younger, or new to the water industry. (YP2013)

☐ Operations/Administrative $70
An individual employed in any operating or administrative position by a water utility that has 1,000 or fewer service connections or any employee below the supervisory level in a utility that has more than 1,000 service connections. (06)

☐ Student $28
A student enrolled in a minimum of nine credit hours (or the equivalent) of accredited classes. (14)

Signature ___________________________________________________

By signing this application, you certify that you have selected the appropriate membership category.

Section 3B Section Assessments

AWWA has 43 local Sections in North America. You are automatically enrolled in a Section based on your address. Some Sections require additional fees to better serve their local members. The Section assessment is required if your address is located in one of the following areas:

<table>
<thead>
<tr>
<th>Your State/Province</th>
<th>Individual/ Young Professional</th>
<th>Operations/ Administrative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaska, Arizona, Connecticut, Minnesota, Missouri, North Carolina, Ontario</td>
<td>$9</td>
<td>$4</td>
</tr>
<tr>
<td>Alberta, Arizona, Illinois, Kentucky, Manitoba, Northwest Territories, Saskatchewan, Tennessee, Texas, Wisconsin</td>
<td>$17</td>
<td>$7</td>
</tr>
<tr>
<td>Florida, Georgia, Indiana, Iowa, South Carolina</td>
<td>$34</td>
<td>$14</td>
</tr>
<tr>
<td>California, Maine, Massachusetts, Nevada, New Hampshire, Rhode Island, Vermont</td>
<td>$68</td>
<td>$28</td>
</tr>
</tbody>
</table>

Section 3C Additional Section Options

In addition to your Section membership, you may join other AWWA sections. There is a $33 multi-section fee, plus the assessment fee for the second section. Please call 1.800.926.7337 for more information and assessment fees.

(continued on page 12)
Section 4 Tell Us About Yourself

All applicants must complete this section.

What one business activity best describes your company? (Please check only one)

- A Public Water Supply Utility—Municipally owned
- B Public Water Supply Utility—Investor owned
- C Government—Federal, State, Local
- D Consulting Firm
- E Contractor
- F Private Industrial System or Water Wholesaler
- G Manufacturer of Equipment & Supplies (including representatives)
- H Distributor of Equipment & Supplies (including representatives)
- I Educational Institutions (faculty & students), Librañas and other related organizations
- J Fully Retired
- K Research Lab
- L Other allied to the field (please specify) _________________________

Gender

- Male
- Female (Optional)

Birth Year _________________________ (Optional)

What one category best describes your job title? (Please check only one)

- A Executive (General Manager, Commissioner, Board Member, City Manager, Municipal Superintendent, Mayor, President, Vice President, Owner, Partner, Director, etc.)
- B Management/Non-Engineering (Division Head, Section Head, Manager, Department Head, Comptroller, etc.)
- C Design and Engineering/Both Managerial and Non-Managerial (Chief Engineer, Civil, Mechanical, Electrical, Environmental, or Field Engineer, Planning Manager, System Designer, etc.)
- D Scientific/Non-Managerial (Chemist, Biologist, Biophysicist, Researcher, Analyst, etc.)
- E Purchasing (Purchasing Agent, Procurement Specialist, Buyer, etc.)
- F Operations (Foreman, Operator, Maintenance Crewman, Service Representative, etc.)
- G Marketing & Sales/Non-Managerial (Market Analyst, Marketing Representative, Salesperson, Sales Representative)
- H Professorial (Educator, Teacher, etc.)
- I Other (please specify) _____________________________________

What one category best describes your field served/principal activity? (Please check only one)

- A Both Water Supply & Wastewater
- B Wastewater Only
- C Water Supply Only
- D Other

3 Ways to Join

1. Apply online at www.awwa.org/join
2. Fax completed application to 303.347.0804
3. Mail completed application to
AWWA Customer Service
6666 West Quincy Avenue
Denver, CO 80235-3098

Dues and Section assessment rates valid through December 31, 2013. Dues are not deductible as charitable contributions for income tax purposes. The following is for USPS periodical mailing requirements only. In some AWWA Sections, a portion of the Section allotment equal to 50% or more of the domestic subscription rate charged for the Section periodical will be allocated toward a subscription to that periodical. Allocation for each publication recipient authorized—Journal—American Water Works Association—$50; Opflow—$16. Student members and members with APO/FPO addresses will receive e-periodicals only. Operator members receive Journal AWWA online. Print periodicals may be purchased for an additional fee.

NOTE: Member’s phone numbers and email addresses are protected under AWWA’s Privacy Policy.

www.njawwa.org
Have an Idea for Research?

Let us know and we will help get it to the Water Research Foundation. Just fill out this short form and e-mail it to the section manager, mona@njawwa.org. A member of the Research and Technical Transfer Committee will contact you for more details.

Name_________________________________________________________________________________________________________________

Phone Number ___________________________________________________________________________________________________________

E-mail Address_________________________________________________________________________________________________________

Issue/Research Idea

_________________________________________________________________________________________________________________________

_________________________________________________________________________________________________________________________

_________________________________________________________________________________________________________________________

_________________________________________________________________________________________________________________________

_________________________________________________________________________________________________________________________

_________________________________________________________________________________________________________________________

_________________________________________________________________________________________________________________________

May someone from the Research and Technical Transfer Committee contact you? □ Yes □ No

---

**PIPELINE** is the official publication of the New Jersey Section of the American Water Works Association. It is published three times a year.

Next Issue: Winter 2014
Deadline: January 31, 2014

Anthony J. Tomasello, PE
*Hatch Mott MacDonald*
Water Division
111 Wood Avenue South
Iselin, NJ 08830-4112
Tel: 973-379-8742
Fax: 973-376-1072
*anthony.tomasello@hatchmott.com*

For address corrections please contact
AWWA Customer Service at:
6666 W. Quincy Avenue
Denver, Colorado 80235
Phone: (303) 794-7711 or (800) 926-7337
Email: custsvc@awwa.org

**Publications Committee**
Mona Cavalcoli
*AWWA NJ Section Manager*

Christopher P. Olson, P. E.
*New Jersey American Water*

Casandra Malone
*AGRA Environmental and Lab Services*

Brian Applegate
*New Jersey Institute of Technology*

We encourage and support varied and differing viewpoints that stimulate thought and discussion. Opinions expressed are exclusively those of the author and do not 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.