Providing solutions for Kansas to effectively manage water, the state’s most important resource.

Welcome, Kent Rader, Keynote Speaker

When it comes to reducing stress in the workplace, humor is one of the most effective tools known to the business world. Kent Rader believes passionately that laughter matters in easing the daily stress of employees and building a highly cohesive business team.

Known as the world’s cleanest comedian and a humorous keynote speaker, Rader helps people and organizations learn and experience how laughter matters as an effective business tool. He is well qualified to perform this role, as he boasts a diverse skill set and experience in both corporate

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Happy summer, Kansas water professionals! Summer is here in full force; hot and dry for some parts of Kansas and floods for other parts of the state. Portions of Kansas remain in extreme, severe, and moderate drought conditions, while the northwest part of Kansas is drought free.

ACE18 was held at Mandalay Bay Convention Center in Las Vegas, Nevada, June 11-14. The temperature was in excess of 100 degrees, but as they say, “It’s a dry heat!” The theme for the conference was “Innovating the FUTURE of WATER.” The exposition showcased over 450 exhibitors, and the professional program included over 100 sessions with more than 500 expert presenters covering a multitude of topics. The opening session featured Ira Flatow, NPR science correspondent and award-winning journalist. Flatow’s presentation was titled “Catalyst of Creativity,” and he described where new ideas come from and how non-scientists are being granted patents for their creative ideas. Kansas was well represented and sat together as a group.

The annual KsAWWA luncheon at ACE was held at RM Seafood Restaurant in Mandalay Bay Resort and Casino. Over 50 participants enjoyed an outstanding lunch, networking, and beverages from the bar. A great time was had by ALL! A “BIG THANKS” to Charlie Wheeler, Clear Water Equipment, LLC and Mark Pedrotti, R.E. Pedrotti Co., Inc. for hosting the bar.

The 10th Annual KWEA/KsAWWA Joint Conference will be held at Capitol Plaza Hotel, Aug. 28-30. The opening session will be Tuesday, Aug. 28, and will feature Kent Rader, who is known as the cleanest comedian and a humorous speaker. Rader believes passionately that laughter matters in easing the daily stress of employees and building a highly cohesive business team. Don’t miss this outstanding training, learning, and networking event. Registration is available at the following website: http://www.kswaterwastewater.com.

I look forward to seeing you at the 10th Annual KWEA/KsAWWA Joint Conference in Topeka! 🎉

Martha Tasker, KsAWWA Chair
martha.tasker@salina.org
(785) 309-5725 – office
Section Manager’s Report

by Hank Corcoran Boyer, KsAWWA Section Manager

It has been a warm, dry summer which makes it seem like a long summer when it gets so hot so early in the season. Kansas weather is always a challenge, but you never can say it is boring because each year has something new and different to challenge us. And have you noticed we are never happy with whatever it is?

ACE18 in Las Vegas was fun even though the schedule was different from previous years, and some of us had a problem with booking hotels, flights, etc. All in all, though, it seemed the Kansas Section had a great representation. The Tuesday lunch sponsored by the Section was well attended, and this year we even had some attendees from the Missouri Section join us. Kelly Clark from Black and Veatch always finds us a great restaurant to host our lunch; thank you, Kelly and Black and Veatch, for assisting with this event.

Tina Leitzel and I are deep in the preparations for the 2018 joint conference which will be back in Topeka this year Aug. 28-30. Most of the speaker confirmations are back along with their bios, and while we had a couple of cancellations, we had other speakers on the back burner to tap into if we had cancellations. So, as of this writing, all slots are filled, and people are excited to present at our joint conference. Phillip Cooper and Ron Thomann have done a super job of putting together the technical part of the conference this year, and I believe you will find the topics and presentations interesting and educational, and you will be able to take useful information back to your utility for future reference.

Sylvan Coles has put together a Tuesday evening social event that promises to be entertaining. We will be going to the Topeka Civic Theatre for dinner, socializing, and entertainment by the improvisational comedy group Laugh Lines.

We have a new event this year as well. The program committees from the previous year and the current year review each year’s activities and suggestions from the participants to see how they can continually keep interest and make the joint conference better. It has been a suggestion for several years, and this year the group decided they would try holding a joint lunch Wednesday in expo hall with the exhibitors. Each organization will hold their own lunch Tuesday and will be presenting the various awards they don’t present at the Wednesday evening banquet. On Wednesday everyone will enjoy lunch in expo hall with the exhibitors. There will be no formal program at that lunch; however, there may be some announcements made during the meal. This lunch is to encourage the attendees to spend more time with
the exhibitors who spend a lot of money and time to bring their products to the joint conference, and without them the conference would lack many of the extras that it currently offers.

I again want to thank Tina Leitzel KWEA/KsAWWA webmaster for all the help she gives me during the year and all the energy and expertise she brings to the joint conference. Without her, my job would be a lot harder, and the conference wouldn’t have many of the things we have. If you see her during the conference, please tell her thank you!

Enjoy the rest of your summer, and plan to join us in Topeka Aug. 28-30 for the 10th Annual KWEA/KsAWWA Joint Conference.
Hard to believe three years have come and gone so fast, but my term as your director has come to a completion at the end of the ACE convention in Las Vegas. I had the privilege of introducing your new director, Professor Steve Randtke from the University of Kansas. Steve will do a fabulous job representing the Kansas Section. And I wanted to thank you for the opportunity to represent the Section as well.

Our ACE conference in Las Vegas was a major success! The technical programs were strong, the exhibit floor was busy, and the networking with our peers in the water space was tremendous. AWWA continues to be a strong organization, reporting over 52,000 members. On the initiative front, AWWA is supporting the veterans program, which is attempting to connect veterans to our water industry to fill open jobs. AWWA also continues to support the WIFIA program as another means to support reinvestment back into the water industry as well as the Farm Bill, which is strongly connected to our water industry. Both of these activities were major discussion points at the fly-in this spring in which representatives from the Sections spoke to their elected representatives to advocate for AWWA’s position on these two programs to continue to build support for our industry.

Thanks again for allowing me to represent the Section and your interests! I really appreciated the opportunity.
and healthcare environments. In addition, he has performed his clean comedy in comedy clubs from New York to Seattle and co-stars in “The Baby Boomer Comedy Show: Clean Comedy for People Born Before Seat Belts.” He even won the Branson Comedy Festival as a reward for his efforts.

With five years of experience in public accounting and 12 years as a hospital CFO and CEO, Rader is able to draw on an incredibly diverse range of experience to find inspiration as a funny keynote speaker. Accordingly, he has worked for 15 years as a professional speaker, using his knowledge and own unique appreciation of comedy to improve the productivity of staff and businesses nationwide. It is this underlying fusion of experience and comedy that distinguishes Rader from other humorous speakers and marks him as the ideal choice for any association convention or business event.

Though he is widely seen on television, heard on radio, and read in print, it is as a funny motivational and keynote speaker that Rader continues to genuinely shine because it offers the perfect platform for him to educate and entertain. If you value your staff and the performance of your business team, consider booking Rader and his unique message as a keynote speaker today.

Rader’s stress reduction book is titled Let It Go, Just Let It Go. He has been seen on Comcast’s Who’s Laughing Now.
WaterOne recently completed channel restoration work on a section of the Kansas River, east of its cofferdam weir near I-435 and Holliday Drive. Due to favorable conditions, coordination with permitting agencies, and the diligence of the contractor, the project has been completed earlier than expected.

Restoration work was necessary on this section of the channel due to ever-changing river conditions. The project included excavating the center channel in front of the weir, reinforcing the north bank of the river, and constructing a second “bendway weir” downstream from the intake in order to divert the river back towards the middle of the natural channel.

The project represented both a forward-looking investment in WaterOne’s infrastructure, and a commitment to protecting the health of natural resources. Efforts were made to mitigate the environmental impact of the project, including use of turbidity screens to prevent the water from becoming excessively muddied during work. A protected “fish-ladder” structure is also incorporated to allow wildlife to move freely. WaterOne coordinated with river conservation group Friends of the Kaw, who assisted in keeping river users informed about the scope of the project and changes to portage access throughout the project.

WaterOne’s cofferdam weir on the Kansas River was constructed in 2009 to direct a sufficient flow of water to its intake under low-flow conditions. WaterOne’s weir is private property and access is prohibited, but kayakers and paddle sports enthusiasts may bypass the weir via a short portage on the north bank. The portage is currently open for use as grading is finalized and grass is replanted.
Largest-Ever Turnout at WaterOne and Olathe’s Tower2Tower 5K

by Jerry Koukol, WaterOne

For the third year in a row, WaterOne and the City of Olathe kicked off National Drinking Water Week with the Tower2Tower 5K on Saturday, May 5. Beautiful spring weather greeted the 615 runners, walkers, and joggers of all ages, which was almost 200 more participants than the previous year. This year’s race coincided with Cinco De Mayo, so the crowd was treated to chips and salsa in addition to fresh fruit offerings and a flavor-infused “Quench Bar” tap water refreshment station. The event also featured an all-new one-mile kids run for children ages five through twelve. Medals were presented to all category winners, and one lucky participant won a drawing for a free rain barrel.

The Tower2Tower 5K is a partnership between WaterOne and the City of Olathe. The race course begins at WaterOne’s administrative offices water tower, takes participants down Renner Boulevard to Olathe’s water tower at 119th and College Boulevard, and then loops back to the finish line. The two water towers are spaced at just enough distance from one another to make for a great 5K loop route.
This year’s race raised $9,187 for Water for People, a nonprofit that works to bring safe, clean drinking water to places around the world who need it the most. In just the three years that this event has been held, 5K participants have raised almost $22,000 for Water for People. Thanks to sponsors Black & Veatch, Burns & McDonnell, Garney Construction, and Homeseve USA, it’s possible for 100% of all registration fees to be donated to the charity.
Chemical Safety Tips

by Bob Brower, KsAWWA Safety Committee Chair

Chemicals are a major part of our everyday life at home, work, and play. Examples include toxics, corrosives, solvents and numerous other substances. As long as we take proper precautions, these substances can be handled safely.

Chemicals that you use at home include gasoline, paints, fertilizers, lawn chemicals, bug spray, paint strippers, kerosene, bleach, and other household cleaners. However, chemicals you may use at work are facility-specific solvents, laboratory chemicals, fuels, paint, office copier chemicals, correction fluid, lubricants, and corrosives.

We are exposed to chemicals by these ways.

» **Inhalation** – Breathing in dusts, mists and vapors (example: working with bags of concrete without a respirator).

» **Ingestion** – Eating contaminated food (example: having lunch in the work area where there are airborne contaminants).

» **Absorption** – Skin contact with a chemical (example: contact dermatitis or an eye irritation).

» **Injection** – Forcing an agent into the body through a needle or a high-pressure device (example: needle stick or misuse of a high-pressure washer).

You can protect yourself against chemical hazards by:

» Reading container labels, material safety data sheets (MSDSs), and safe-work instructions before you handle a chemical;

» Using specified personal protective equipment (PPE) that may include chemical-splash goggles, a respirator, safety gloves, apron, steel-toed shoes, safety glasses with side shields, etc. Ensure the PPE fits properly and you are trained in its use;

» Inspecting all PPE before you use them. Look for defects in the equipment such as cracks, missing parts, rips, etc. Ensure your respirator has the proper chemical cartridge for the particular chemical hazard. Change cartridges when it is necessary;

» Knowing the location of safety showers and eyewash stations and how to use them;

» Washing your hands before eating, especially after handling chemicals;

» Leaving your contaminated clothing at work. If you wear the clothes home, you can expose your family to the hazards.
AWWA Seeking Nominations

AWWA is recruiting qualified candidates for the positions of vice president, president-elect, and director-at-large. At the June 2018 board meeting, the association board indicated they were looking for candidates for vice president and president-elect with the following “Top 20 Traits”:

» Leader
» Communication
» Strategic
» Visionary
» Listener
» Collaborative
» Motivator
» Confident
» Experience
» Inclusive

» Inspirational
» Knowledgeable
» Passion
» Open-minded
» Integrity
» Commitment
» Influential
» Ethical
» Humility
» Business leader

If you are interested or wish to encourage someone to apply, please contact Brynn Findlay at 303-347-614 or bfindlay@awwa.org for an application, position description, qualifications, time commitment, application process, and rules of conduct. The deadline for submitting documents to AWWA is Wednesday, Aug. 15, 2018.

The Nominating Committee will present vetted candidates to the board of directors approximately six to eight weeks before the 2019 winter board meeting. The official election will be held at the winter board meeting in January 2019.

The majority elected candidates will begin their terms in June 2019 at the conclusion of the AWWA Annual Conference and Exposition (ACE19) in Denver, Colorado.
Cybersecurity: Does It Matter?

by Kevin M. Morley, PhD

It’s not a matter of if, but rather a matter of when a water utility will be impacted by a cyber incident. No water utility is immune from this threat.

So does size matter? The glib answer is of course it matters. The reality is that all water systems of any size now have virtual footprints that far exceed their physical perimeter. Cybersecurity is more than just ensuring that the customer service, accounting, and human resources folks protect personally identifiable information (PII) and conform to HIPAA (the Health Insurance Portability and Accountability Act of 1996) rules. It goes well beyond keeping your desktop or laptop operating systems updated with the latest patches from Microsoft or Apple. The growth in the Internet of Things (IoT), or more specifically, the Industrial Internet of Things (IIoT) has led to greater efficiency in leveraging data to optimize utility operations and processes. This includes all of the employees with smartphones, iPads, Kindles, and laptops that IIoT allows to remotely access, monitor, and manage the system. Included here are folks with personal devices that may ride along or otherwise “touch” a utility network, such as charging via a seemingly innocent USB cable or plugging in a memory stick from an unknown source.

#1. ALL WATER SYSTEMS HAVE PEOPLE.

Most, if not all, utility employees have computers that support some level of internet connectivity for business purposes like email. This may or may not include the computer that runs supervisory control and data acquisition (SCADA). Most of these employees also have smartphones or similar devices that may or may not be provided by the utility. Everyone is at risk of clicking on something that has a virus. Think about those emails from “friends” that say, “Here’s something you need to see: www.dontlook.com” or those emails from a long-lost relative who only needs a little bit of help.

As a result, this can expose a utility’s business and operating system to bad actors, which can have a significant financial or operational impact. “Bad actor” is a term used for cybercriminals. Ransomware is the most frequent and simplest attack, which basically blocks an owner from accessing various files and demands payment for recovery...rarely are those files returned. This type of attack is rampant, as represented in the graphic (page 14).

#2. OPERATING SYSTEMS ARE NOT CONSISTENTLY MAINTAINED/PATCHED.

A large percentage of successful attacks, across all sectors, have exploited vulnerabilities that have had mitigation patches available for decades. The only way to know that things are in good shape is...
to determine what controls are in place relative to what should be in place to protect a utility’s systems, especially process control systems. Resources such as the use-case tool developed by AWWA provide a utility with a clear set of prioritized controls that, if implemented, can mitigate the risks associated with cyber threats. This does not mean the utility will not be targeted, but it does help lower the likelihood a hacker will be successful. This is a classic case of open versus closed—the more “doors” that are left open and unsecured, the greater the access and opportunity for bad actors.

#3. NOBODY KNOWS ABC WATER.

It is reasonable for one to think that a large city’s water utility is a more attractive target when compared with Smallville’s utility. That concept does not work in cyberspace; while some attacks are targeted, many others are very opportunistic.

In a few clicks and strokes of the keyboard, a hacker can distribute millions of emails to propagate their malware. In addition, consider that many control systems were installed before cybersecurity was something to even worry about.

As a result, many utilities may not realize that portions of their system have publicly facing IP addresses that are easily targeted by bad actors using sources like SHODAN, a library of sorts for devices connected to the internet. Even if your IT staff or vendor says you’re not connected to the internet, verify that this exposure pathway is indeed closed. In this case, the size of the utility hosting a publicly facing device is completely irrelevant and unknown to the prospective exploiter. If these devices are important to your operations, protect them and manage them accordingly, using the recommended controls. That begins with securing these devices and
turning on the security settings many devices already have in place rather than using default settings that anyone can look up online.

Bottom line: Cybersecurity matters. The size of your utility does not matter when it comes to cybersecurity. If a system is critical to your utility’s operations, you’ll need to implement controls to manage its cyber-risk. I suspect all your systems are critical; otherwise they never would have been installed, so get on it before it’s too late. 

Kevin M. Morley, PhD, is AWWA’s Manager of Federal Relations. He can be contacted at kmorely@awwa.org.
How to Keep Customers Happy

by Leslie Kimble, WSU Environmental Finance Center

One of the common questions that utility staff ask at WSU EFC’s utility management workshops is how to keep customers happy. Unfortunately, there isn’t one, quick and easy, fail-proof method to boost customer satisfaction. However, there are best practices that utilities can implement to help customers view their utility in a more positive light.

First, don’t assume customers are knowledgeable on a topic just because they aren’t calling about it. People who work in the public water industry forget that most customers don’t know a lot about the work public utilities and regulatory agencies do to make their water safe.

According to a study by KKS Advisors for the Water Research Federation, the most common answer customers gave when asked how often they thought their water was sampled and tested for safety was 12 times a year. Imagine how surprised customers would be if they were informed on how often their water is actually monitored and tested!

Simply educating customers on the value and quality of their public water service can go a long way to bolster satisfaction. Communicating with customers also garners trust, a virtue that is extremely valuable in today’s world of “fake news” and misinformation. By taking the initiative to engage with customers, really listen to them, learn what’s important to them, educate them, and answer their questions, utilities are setting their flag in the ground as the community’s authority on water.

So how can utilities improve their customer relations? Here are a couple of ideas:

Get involved

It’s time for water utilities to have a visible presence in the community. Could you register a table or booth at an upcoming community event? What about having a float in your town’s parade or festival?

A great customer engagement idea comes from Charlotte Water, who found success by setting up “pop-up” events at highly visible areas in their community. If a utility construction project was scheduled in the neighborhood, they would send staff there a couple of months out, equipped with water quality reports, construction maps, rate brochures and fun giveaways, like pet water bowls.

Not only did customers appreciate being informed about future construction, but they also understood the need for the construction. Customers were happy the utility was staying on top of aging pipes to ensure that their water would remain safe and reliable for years to come.

Face-to-face time is such a unique opportunity to listen to your customers. Utilities may think they
know what their customers value about water, but until they ask customers, and listen to the answer, the utility is really just guessing.

**Invest in Staff**

Leadership by example is the best way to create a culture of good customer service in an organization. Avoid talking negatively about customers in front of staff. Utility leaders have the responsibility of teaching staff how to interact with customers and why customer satisfaction is important to the utility’s success. Provide examples to staff of appropriate responses to frequently asked questions.

Enable frontline staff to provide service recovery offers without “speaking to a manager” first. Customers will feel much more assured if the first employee they encounter can assist them or answer their question. Make rewarding and recognizing staff for outstanding customer service a habit.

One final note. Remember to always support staff that deal with customer complaints. This part of the job can be taxing, and, let’s face it, the customer is simply not always right. Supporting employees through a difficult encounter with a customer builds employee confidence, boosts workplace moral, and fosters a culture of great customer service, which leads to happy customers.

For more utility management tips, attend WSU Environmental Finance Center’s sessions on Working with Millennials and AWWA Water Audits at the 10th Annual KWEA /KsAWWA Joint Conference.

**References:**


Load Stability

by Bob Brower, KsAWWA Safety Committee Chair

Forklifts and other powered industrial vehicles are the mainstay of moving materials in our industry.

Their safe operation is key which is why standards for training and evaluation of drivers can be so stringent. Second to operational safety, load stability is probably the second most important factor to ensure the safe moving of materials with this equipment.

If the load is not secured on the forklift itself with proper balancing, placement, and security, accidents are just waiting to happen.

Prior to moving or lifting a load, ensure the load is secure on the industrial vehicle. Looks for these things:

» Check the loads carefully before moving them for stability and damage.
» It is important to ensure that the load is tilted back with the forks sitting low whilst transporting in order to increase truck stability.
» Check for any overhead objects before lifting or stacking loads.
» Do not lift or move loads that are not safe or stable.
» Make sure loads are correctly stacked and positioned across both forks.
» Make sure the load is evenly balance across both forks.

» Make sure the heavier part of an unbalanced object is towards the cockpit of the vehicle.
» Stack the load on the pallet or skid safely and correctly.
» Use securing measures such as ropes or bindings if required.
» Place the load all the way in the forks prior to moving or lifting.

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Construction on Santa Fe Avenue has begun, and hours of hard work have finally paid off! As many Salina citizens have noticed during their commute to-and-from work or on their way to grab a bite to eat, downtown Santa Fe is undergoing a major streetscape restoration with high hopes to increase pedestrian activity and business growth. However, there’s more than what meets the eye as the new sidewalks and roads are just the tip of the iceberg. Below this concrete jungle resides an active water main, 53 years older than the popular Golden Gate Bridge, and it has served its community long enough. While it has faithfully supplied clean water to our local businesses and establishments since 1884, this 8” cast iron pipe has finally reached its retirement age after 134 years of service.

With news of a revitalization project occurring in our city’s downtown district, the utilities department recognized the urgency to ensure this area possessed a utility system up to the challenge of the increased development it was sure to bring. With a hotel and restaurant, The Alley, the University of Kansas Medical School, the Lee Buildings, and the Stiefel Theatre renovations all on their way, it was clear the existing water and service lines were in desperate need of an upgrade and soon. From experience overseeing similar projects, the utilities department acknowledged the potential damages, which would occur to the new renovations, if the water main was not installed prior or during the streetscape project, and hurried to engineer a well-functioning system to serve future generations.

Within this project, the utilities department decided to replace this historic 8” relic with a larger 12” PVC pipe. We calculated that increasing the volume of our existing water main by 124%, our city would be able to successfully supply the necessary amount of water to support all future development and growth.
within the downtown district. We similarly planned to replace and increase all of our existing service lines, ranging from $\frac{3}{4}$” to 1 ½” in diameter, with 2” service lines to provide and exceed the necessary volume of water any future establishment would ever require.

However, construction of this new water main was easier said than done, as precisely locating 100-year-old services created quite a challenge. With many service connections and building addresses changing overtime, followed by vague documentation, locating these lines was anything but easy. At times, service lines were 8-10’ down the block from where we presumed them to lie, decreasing the contractor, Smoky Hill Construction’s, efficiency, and creating a sizable mess and inconvenience when service lines were mistakenly broken during the excavation process.

With some collaboration and team effort among the city’s Public Works Department and the Utility Department, we decided to attach an electrical transmitter to the service lines and use our electronic tracing equipment to locate the old metal services. These extra steps taken to locate existing service lines increased the contractor’s efficiency and decreased the number of services our utility’s crew had to repair during the construction process, ultimately speeding up the project and increasing public satisfaction.

To prevent future service locate issues after the finalization of this project, we’ve gone ahead and attached tracer-wire along each one of the 120 new individual water service lines. These wires can then give off an electrical signal when electricity passes through them.
through them from the tracer wire box installed at the end of each water service. Each one of these boxes is located against the face of the building directly above the active service line and remain secure and out of the way of passing pedestrians.

As a city department who prides themselves in customer service, we took it upon ourselves to decrease the impact the construction imposed on our downtown businesses. After listening and communicating with the area business owners, we understood the significant impact an accidental service break had on an operating business. Although we had already limited the time of day which the contractor could disconnect the water from the building, we knew we had to do more. After working with Kim Brown and Smoky Hill Construction, we decided to assign work to be done during the nighttime hours, when businesses would be less affected by a sudden disconnection of water.

As of today, Smoky Hill Construction works during the normal daytime hours installing the new water main and service taps, but the instillation of the new water services and the official switch from the old service to the new is completed after hours when continuous water use is at a minimum. This improved process has significantly increased our relationship with the community and has diminished the burden of construction on our downtown business owners.
Photos from ACE18 in Las Vegas, Nevada

David LaFrance & Brenda Lennox present Jim Epp with the Fuller Award.

KsAWWA Water Buffaloes board meeting (above and below).
## Joint Conference Overview

### Monday, Aug. 27, 2018

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<td><strong>Golf Tournament Scholarship Fundraiser (Joint Event)</strong>&lt;br&gt;Firekeeper Golf Course at Prairie Band Casino&lt;br&gt;11:00 a.m. – Check-in and lunch&lt;br&gt;12:00 p.m. – Shotgun start, four-person scramble&lt;br&gt;Proceeds to KWEA Scholarship Fund</td>
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<td>11:30 a.m. – 3:30 p.m.</td>
<td><strong>Sporting Clays Shoot (Joint Event)</strong>&lt;br&gt;11:30 a.m. – Check-in, lunch, and practice rounds&lt;br&gt;1:00 p.m. – Shoot begins&lt;br&gt;Proceeds to Water for People</td>
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<tbody>
<tr>
<td>7:00 – 9:30 a.m.</td>
<td><strong>Exhibitor Setup</strong></td>
</tr>
<tr>
<td>7:30 a.m.</td>
<td><strong>Joint Young Professionals Breakfast</strong></td>
</tr>
<tr>
<td>8:30 a.m. – 3:30 p.m.</td>
<td><strong>Registration Open</strong>&lt;br&gt;<strong>Opening Session</strong></td>
</tr>
<tr>
<td>9:30 – 11:30 a.m.</td>
<td><strong>Exhibits Open</strong></td>
</tr>
<tr>
<td>11:30 a.m. – 6:00 p.m.</td>
<td><strong>Refreshment Break</strong>&lt;br&gt;<strong>KWEA Awards Luncheon</strong>&lt;br&gt;<strong>KsAWWA Awards &amp; Annual Business Meeting Luncheon</strong></td>
</tr>
<tr>
<td>Noon – 1:30 p.m.</td>
<td><strong>Concurrent Technical Sessions</strong></td>
</tr>
<tr>
<td>1:30 – 3:00 p.m.</td>
<td><strong>KsAWWA Best Tasting Tap Water Contest</strong></td>
</tr>
<tr>
<td>1:30 – 2:30 p.m.</td>
<td><strong>Environmental Excellence Competition</strong></td>
</tr>
<tr>
<td>2:15 – 5:00 p.m.</td>
<td><strong>Refreshment Break</strong></td>
</tr>
<tr>
<td>3:00 – 3:30 p.m.</td>
<td><strong>Concurrent Technical Sessions</strong></td>
</tr>
<tr>
<td>3:30 – 5:00 p.m.</td>
<td><strong>Joint Meet &amp; Greet with Exhibitors</strong></td>
</tr>
<tr>
<td>5:00 – 6:00 p.m.</td>
<td><strong>Comedy Night Social Event at Topeka Civic Theatre (pre-registration required)</strong></td>
</tr>
<tr>
<td>6:30 – 9:30 p.m.</td>
<td></td>
</tr>
</tbody>
</table>
# Wednesday, Aug. 29, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 a.m. – 3:00 p.m.</td>
<td>Registration Open</td>
</tr>
<tr>
<td>7:30 – 8:30 a.m.</td>
<td>KsAWWA OTC Breakfast Meeting</td>
</tr>
<tr>
<td>7:30 – 8:30 a.m.</td>
<td>KWEA Board &amp; Committee Chair Breakfast &amp; Annual Business Meeting</td>
</tr>
<tr>
<td>7:30 – 8:30 a.m.</td>
<td>KWEA Golden Manhole Breakfast</td>
</tr>
<tr>
<td>8:30 a.m. – 5:00 p.m.</td>
<td>Exhibits Open</td>
</tr>
<tr>
<td>8:30 a.m. – 2:30 p.m.</td>
<td>Operator’s Challenge</td>
</tr>
<tr>
<td>8:30 – 10:00 a.m.</td>
<td>Concurrent Technical Sessions</td>
</tr>
<tr>
<td>10:00 – 10:30 a.m.</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>10:30 a.m. – Noon</td>
<td>Concurrent Technical Sessions</td>
</tr>
<tr>
<td>Noon – 1:30 p.m.</td>
<td>Joint Luncheon</td>
</tr>
<tr>
<td>1:30 – 3:00 p.m.</td>
<td>Concurrent Technical Sessions</td>
</tr>
<tr>
<td>1:30 – 2:30 p.m.</td>
<td>Meter Madness</td>
</tr>
<tr>
<td>2:30 – 3:30 p.m.</td>
<td>Hydrant Hysteria Demonstration</td>
</tr>
<tr>
<td>3:00 – 3:30 p.m.</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>3:00 – 5:00 p.m.</td>
<td>Backhoe Rodeo</td>
</tr>
<tr>
<td>3:30 p.m.</td>
<td>Water for People Silent Auction Closes</td>
</tr>
<tr>
<td>3:30 – 5:00 p.m.</td>
<td>Concurrent Technical Sessions</td>
</tr>
<tr>
<td>5:30 – 6:30 p.m.</td>
<td>Joint Reception</td>
</tr>
<tr>
<td>6:30 – 9:00 p.m.</td>
<td>Joint Annual Awards Banquet</td>
</tr>
</tbody>
</table>

# Thursday, Aug. 30, 2018

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 – 8:00 a.m.</td>
<td>KWEA SSSSS Breakfast</td>
</tr>
<tr>
<td>7:00 – 8:00 a.m.</td>
<td>KsAWWA Breakfast</td>
</tr>
<tr>
<td>7:30 – 10:00 a.m.</td>
<td>Registration Open</td>
</tr>
<tr>
<td>8:00 – 9:30 a.m.</td>
<td>Concurrent Technical Sessions</td>
</tr>
<tr>
<td>9:30 – 10:00 a.m.</td>
<td>Refreshment Break</td>
</tr>
<tr>
<td>9:45 a.m. – 12:15 p.m.</td>
<td>Concurrent Technical Sessions</td>
</tr>
<tr>
<td>12:15 p.m.</td>
<td>Conference Adjournment and Prize Drawing</td>
</tr>
<tr>
<td>1:00 – 4:00 p.m.</td>
<td>KWEA ABC Testing</td>
</tr>
<tr>
<td>1:00 – 4:00 p.m.</td>
<td>Collections, Distribution, Plant Maintenance, Laboratory</td>
</tr>
<tr>
<td></td>
<td>KDHE Water &amp; Wastewater Operations Testing</td>
</tr>
</tbody>
</table>
Aurel Arndt will join us at the 10th Annual KWEA/KsAWWA Joint Conference in Topeka Aug. 28-30, 2018. Arndt, AWWA treasurer, has been involved in AWWA and section leadership for over 30 years and in advocacy and water utility matters for decades. He was chair of AWWA's Water Utility Council from 2012-2016. Recently retired, he served over 40 years at the Lehigh County Water Authority.

Arndt was named Lehigh County Authority's first CEO in 2013. He was also appointed by three Pennsylvania governors as a member of the Pennsylvania Municipal Retirement Board, which he chaired for eight years, PennVest, Pennsylvania's Clean Water and Drinking Water State Revolving Loan program, and the Governor’s Local Government Advisory Committee.

He has also been recognized by several organizations for his volunteerism, support, and commitment to excellence. Arndt is currently a member of the EPA’s Environmental Finance Advisory Board.

DOES YOUR WATER TASTE GOOD ENOUGH TO ELIMINATE THE LEMON?

IF SO, YOU SHOULD ENTER THE KsAWWA WATER TASTING CONTEST.

ANNUAL KsAWWA BEST TASTING TAP WATER CONTEST

TOPEKA CAPITOL PLAZA HOTEL

AUGUST 28, 2018

SUBMIT YOUR ENTRIES WITH MS. HANK CORCORAN BOYER, SECTION MANAGER, AT THE EXHIBIT REGISTRATION DESK BY 10 A.M. AUGUST 28, 2018.
NIGHT OF COMEDY

LAUGH LINES IMPROV COMEDY TROUPE
MEET & GREET

TUESDAY, AUGUST 28, 2018
Topeka Civic Theatre

Open Event for All Joint Conference Participants:

- Social hour
- Seated steak dinner
- Improv comedy show ticket
- Pre-registration required

Transportation will run between the exhibit hall and Topeka Civic Theatre from 6:15-7:00 p.m. and 9:30-10:00 p.m. Parking on-site is available for those who wish to drive.
2018 Water for People Membership Drive and Fundraising Opportunities

by Tony O’Malley, KsAWWA Water for People Chair

The 10th annual KWEA / KsAWWA Joint Conference in Topeka is only a short time away! Please help us raise needed funds in support of Water for People. The need for Water for People’s mission and work continues to increase in developing countries around the world.

Your and/or your organization can help in one or more ways as follows:

» Make a financial donation.

» Donate a silent auction item for the KsAWWA / KWEA joint annual conference: 100% of the proceeds from you and/or your company will be passed on to Water for People to provide much needed support as they complete the mission.

» Participate in the Water for People sporting clays shoot and barbecue lunch Aug. 27: 100% of the net proceeds from you and/or your company contribution will be directed to Water for People. Register by mail or online through the conference website: http://www.kswaterwastewater.com.

» Volunteer to serve on the Water for People committee: Contact the committee chair (see page 29). The WFP committee is available to provide public education seminars, disperse educational literature, host fundraising auctions, and organize the sporting clays shoot.

All donors will be recognized at the conference and in publication. Donation receipts will be provided for tax purposes. Additionally, donations greater than $500 will receive a special Water for People certificate suitable for framing. All donors will receive a tax deductible receipt via email.

“Water for People” is a nonprofit organization with a focus of providing clean, safe drinking water for the people in third-world countries. With your support, we can make a difference for this noble humanitarian outreach that saves lives each and every day. http://www.waterforpeople.org

If you have any questions or concerns, please feel free to contact us and/or let us know what you can do to help.

Please either send your donation to Hank Boyer at the address below, or send an email to let us know that you will bring a donation to the conference.

Donations may be mailed to:

KsAWWA - Water for People
P.O. Box 3046
Salina, KS 67402-3046
The 2018 KsAWWA and KWEA joint conference will be in Topeka, Kansas, Aug. 28–30. Join us a day early on Monday, Aug. 27 for the sporting clays shoot and barbecue lunch at Ravenwood Lodge (see registration form on page 30). This will be a great opportunity for companies and individuals committed to the water and wastewater industry to gather, see what is new, visit with colleagues, and to learn more about Water for People.

Thank you in advance for any contribution you can make. Pickup of donations is also available.

Tony O’Malley
Volunteer Chairman, KsAWWA Water For People
c/o Larkin Lamp Rynearson
9001 State Line Rd., Ste. 200
Kansas City, MO 64114

(816) 823-7282 office
(816) 830-1683 cell
Tony.OMalley@LRA-Inc.com
2018 Annual KsAWWA & KWEA Joint Conference
WATER FOR PEOPLE SPORTING CLAYS SHOOT
MONDAY, AUGUST 27, 2018

Kick off our annual conference right by joining us to raise money for Water for People. From novice to expert, all are welcome to join in the fun at the 2018 Annual KsAWWA & KWEA “Water for People” Sporting Clays Shoot. Shooters, spectators, and hecklers alike will be able to share in the fun, camaraderie, and best of all, knowing we are raising money for a great cause! Shooting is on an individual basis, and prizes are awarded at random. Skill is not a prerequisite. All you need is a sense of humor and a sense of safety. Prize donations are welcome and will be recognized at the conference. Pre-registration is required.

PLACE
Ravenwood Lodge (owned & operated by Ken Corbet)
10147 SW 61st Street
Topeka, KS 66610
GPA Coordinates: N 38° 57’ 24” W 95° 51’ 30”

TIME
11:30 a.m. – 1:00 p.m.  
Lunch, Registration, Practice Rounds
1:00 – 3:00 p.m.  
Sporting Clays Shooting

COST
50 bird sporting clays $45 per round
Trap (25 bird) $12 per round

WHAT TO BRING
Gun, ear protection, safety glasses, and ammo.

QUESTIONS?
Tony O'Malley
(816) 830-1683 or Tony.OMalley@LRA-Inc.com

Please register early and enclose check payment to:
KsAWWA – Water for People
P.O. Box 3046
Salina, KS 67402
Lunch & beverages provided by
UCI Industrial Construction Services—David Odell.
### Annual KWEA / KsAWWA Joint Annual Conference

<table>
<thead>
<tr>
<th>Year</th>
<th>Location</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>Topeka Capitol Plaza Hotel</td>
<td>August 28–30</td>
</tr>
<tr>
<td>2019</td>
<td>Topeka Capitol Plaza Hotel</td>
<td>August 27–29</td>
</tr>
<tr>
<td>2020</td>
<td>Wichita Hyatt Regency / Century II</td>
<td>September 1-3</td>
</tr>
</tbody>
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### AWWA Annual Conference

<table>
<thead>
<tr>
<th>Year</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>Denver, CO</td>
</tr>
<tr>
<td>2020</td>
<td>Orlando, FL</td>
</tr>
<tr>
<td>2021</td>
<td>San Diego, CA</td>
</tr>
<tr>
<td>2022</td>
<td>San Antonio, TX</td>
</tr>
<tr>
<td>2023</td>
<td>Toronto, Canada</td>
</tr>
</tbody>
</table>

### KsAWWA Board of Trustees Meetings

<table>
<thead>
<tr>
<th>Date</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 10, 2018</td>
<td>Teleconference</td>
</tr>
</tbody>
</table>