



NORTH CAROLINA
WATERWORKS
OPERATORS
ASSOCIATION



2018
Year
In
Review



From the President

It is my honor to introduce the 11th edition of Year in Review. Looking back on 2018, NCWOA made several beneficial changes. I anticipate more changes to come in 2019.

If you have attended a section meeting this year you know that NCWOA has changed its sectional meeting training. If you haven't attended a section meeting in a while, here's how the new format works. Each section holds three section meetings with each meeting split into two, 2-hour segments. All NCWOA members are able to obtain drinking water CEUs for free by attending these section meetings. The feedback NCWOA has received from attendees, regarding this training format, has been very good, so we are going to continue with this format for 2019. I encourage you to attend these section meetings, receive some valuable training, and network with other attendees. As always, your feedback is greatly appreciated.

During 2018, NCWOA has been preparing for a couple of staff changes that will occur in 2019. In January of 2019, Cindy Gall will officially retire from her position as NCWOA Comptroller. Cindy's work and knowledge has been an invaluable asset to NCWOA and we are all going to miss her. I wish Cindy a very happy and relaxing retirement. Heather Cagle and Mike Richardson have been doing excellent jobs as Administrator and Education Specialist, respectfully, and I thank them both and look forward to working with them in 2019. Heather will be assuming the workload that Cindy has been doing. Also in January 2019, Don Price will be joining the NCWOA staff as an additional Education Specialist. Don has a wealth of experience and knowledge and I am sure he will be a great asset to NCWOA. Don will mainly be working in the western part of the state, which will allow Mike to concentrate on the eastern part of the state. Welcome aboard, Don!

The NCWOA Annual Schools Committee continues to work on and improve the Moodle online study course. NCWOA continually looks for and discusses ways to improve training, Moodle and otherwise. We anticipate more improvements and training opportunities in 2019.

Those of you who attended the Spring School in 2018 know that we moved its location to Hickory, NC. All of the feedback NCWOA has received on this change has been positive, so we will be returning to Hickory again in 2019 for the Spring School. No changes are anticipated for the Fall School which will be held at the McKimmon Center in Raleigh. The awards banquet and business meeting will be held during lunch on Wednesday, and the host hotel will be the Holiday Inn Express.

In closing, I want to thank all of you for being part of NCWOA. Your help, feedback, and time make NCWOA the great organization that it is. I encourage all of you to stay active in the organization and to consider serving as a section officer or as a committee member, or perhaps teaching at one of our annual schools.

Thanks again to all NCWOA members and sponsors for all you are doing for NCWOA and for the water industry. Let's make 2019 the best year ever!

Jeff Isley
NCWOA President



From the Editor

I personally would like to welcome you to the 2018 edition of the Year in Review.

Since 1939, NCWOA has strived to do its part in training water professionals throughout North Carolina. We are very thankful for another great year here at NCWOA and it would not be possible without you. Water is one of our greatest natural resources and we believe that it is our job to teach and train others to be better stewards of what we have been given.

Here at NCWOA we would like to thank all of our members and volunteers for your support and dedication. I am a very family oriented kind of guy. One thing that I have learned in my 22 years of working in the water industry is that we all rely on each other just like family. I know many fellow members I can call on, any time of the day, and they would be right here to help. I hope that you look at this organization as your family and know that we will do whatever we can to help out when you need assistance.

A special thanks to all of our volunteers. Volunteers are so important in what we do. When someone volunteers, they freely give themselves because they believe in what is being done. Just like each member of the body has its own special function, I believe that is how we operate in our industry. Each person is so important and it is hard to function without one another. We welcome volunteers and if you would like to volunteer on any of our committees please feel free to let us know.

It is our goal to keep you up-to-date on all of our events going on throughout North Carolina. If you ever have questions or concerns, please feel free to reach out to myself or any of our committee members. You can find our contact information at NCWOA.com and in our Go with the Flow publications.

Thank you for all you do to make water safe!

Sincerely,
Allen Daniels
Water Guard, Inc.
Public Image Chair

Executive Committee/Staff



President

Jeff Isley
Isley1062@aol.com



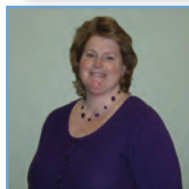
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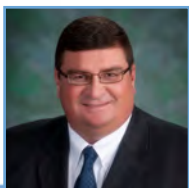
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Chair – Nomination Committee

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Chair – Western Section

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Chair – South Piedmont Section

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Chair – Southeast Section

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79th Annual Business Meeting & Operator Appreciation Luncheon

September 26, 2018 12:00 PM - McKimmon Center, Raleigh, NC

President Jeff Isley called the meeting to order and welcomed everyone to the 79th Annual Business Meeting and Operator Appreciation Luncheon.

The meeting was opened with prayer by Allen Daniels

President Isley called upon Michelle Clements to read the minutes from the 2017 Annual Business Meeting. A motion was made to approve the minutes as read was made and seconded. Motion Passed.

President Isley called upon Leslie Carreiro to read the Treasurer's Report for the last fiscal year (July 1 2017-June 30, 2018).

Financial Report:

Beginning Balance
\$ 733,303.00
Revenue
\$ 323,314.00
Expenses
\$ 334,184.00
Investment Income
\$ 19,035.00

Total Net Assets of June 30, 2018
\$ 741,468.00

A motion to approve the Treasurer's report as read was made and seconded. Motion Passed

President Isley called upon 1st Vice President Ken Loflin to give reports for each Section for their Annual Reports.

Western Section: on File
North Piedmont Section: on File
South Piedmont Section: on File
Southeast Section: on File
Northeast Section: on File

Report for each section attached.

President Isley called upon James Merritt, Chair of the Finance Committee for the annual audit report.

James Merritt reported that the Audit was complete and successful.

President Isley called upon 2nd Vice President Sam Molinas to give the Committee's Annual Report.

Sam Molinas reported on Annual Schools, Seminars Committee, Lab Analyst Committee, Board of Examiners, Public Relations and Membership. Report attached.

President Isley observed a moment of silence to remember those members who have passed since the last meeting.

Alan Childers, Dennis Crane Jr., Michael Holbrook, Allen Isley, Lanny Ollis, Brian Sample, Duane Sando, Roger Taylor, Terry Taylor

President Isley recognized the Corporate Sponsors:

Platinum Sponsors: Southern corrosion, Inc., Trinity Manufacturing.

Gold Sponsors: AC Schultes of Carolina (T-shirt Sponsor), Carolina Management Team, Charles R. Underwood, Inc., Clearwater, Inc., Fortech, Inc., Heyward Inc, Kemp Construction, Inc, Pearson Pumps, Univar, Water Guard, Inc.

Silver Sponsors: Jack Moore & Associates, Inc, McGill Associates, Inc (T-shirt sponsor)

President Isley recognized the Exhibitors (in addition to sponsors) for the Annual School;

Amerochem Corp, Cummins Sales and Service, Daparak, Inc, Eurofins, Fortiline Waterworks, Gopher Utility Services, Greenville Utilities, Instrulogic, McGill Environmental Systems, Pace, The Perkins Company, Inc., Willis Engineers, Core & Main (Break Sponsor)

President Isley asked Leslie Carreiro to come forward to recognize new Life Members with 25 Years of consecutive membership. They were as follows:

Thomas A. Boyd, Clarence L Canady, J Fred Edwards, Phillip C Edwards, Jonathan G. Elder, Richard O Ellenburg, George R Gatewood, James D Gibson, James D Hasty, Dennis C Hodges, Marvin E McCracken, Larry D Moseley, Marvin J Norris, Allan R O'Briant, Sandy P Prestwood, Willis L Saul, John K Tapscott, Aaron H. Thomas, Jr., Roger Townsend, Daniel A Wiedner

President Isley presented the Special Award of Merit to Cindy Gall.

President Isley called on Chris Smith to present the AWOP Awards

69 surface water systems have met or exceeded the turbidity performance goals for settled and filtered water in Calendar Year 2017 and have received AWOP Awards from Public Water Supply.

Julius Patrick, Past President, came forward to present the Certified Operator of Year Awards. The recipients were:

C-Well: Lee Sasser – Washington County

B-Well: Christopher Tedder – Town of Snow Hill

A-Well: Linda Skinner – Currituck County

C-Surface: Billie McNeely - PTRWA

B-Surface: Luke Covert - PTRWA

A-Surface: David Robinson – Fayetteville PWC

Educator of the Year: Tom Boyd – NCDEQ Retired

Lab Analyst of the Year: Robin Blackburn - NRWASA

Julius Patrick presented the Outstanding Operator of the Year – Chris Smith – Fayetteville PWC

President Isley asked Chris Smith to present the slate of officers for the 2018-2019 year as follows: President – Jeff Isley, 1st Vice President – Ken Loflin, 2nd Vice President – Sam Molinas, Secretary – Michelle Clements, Treasurer – Leslie Carreiro, Past President – Julius Patrick

Motion made, seconded and approved for slate of officers.

President Isley asked for a motion to adjourn. The motion was made and seconded – Motion Passed.

Respectfully Submitted By:
Michelle Clements

Certified Operators of the Year

A Surface

David Robinson **Fayetteville PWC**

This recipient began his career in March 1995 as a Utility Worker I. His duties included: keeping the plant clean and ready for tours/visitors, off loading chemicals, and maintaining re-chlorination stations throughout the distribution system. He was eager to learn and strived to obtain knowledge about the water treatment process. In November of the same year he was promoted to operator as reward for his hard work and willingness to learn. In July 1996, he began the multiyear WT Facility Operator Apprentice Program. He completed the program in 2002 after several years of studying, college classes, and on the job training.

In addition to A-Surface and Journeyman certification, he holds C-Distribution as well. He trains new operators and enjoys passing his knowledge and experience along to new hires.

He takes pride in his work. He "sets the standard" when it comes to keeping his personal areas of responsibility in excellent condition. He NEVER SAYS: "that's not my job" when it comes to getting the plant ready for tours, safety inspections or meetings.

David always has a professional attitude when on duty. His uniforms are always neat and clean and often ironed and pressed (with creases). His commitment to the customers of PWC is unmatched, as he comes in on his days off when needed and rarely takes sick time.

His work is exemplary. He never complains about anything life throws at him (unless the Redskins lose). He has helped his wife Sandra, battle and defeat cancer. He presently helps his mother-in-law by providing support and helping with transportation to dialysis which is often done after working a 12-hour night shift.

He is a proud veteran and served in the United States Navy during the Gulf War. In March of 2018, David celebrated his 23-year anniversary as an employee of PWC.



transition to his current employer in 2009. This person is a living example that when people set their mind to achieving a goal nothing can stand in their way. Having experience in both water and wastewater he is a benefit for his employer. His dedication and attention to detail ensure exemplary performance every day.

C Surface

Billie McNeely **Piedmont Triad** **Regional Water** **Authority**

This recipient started his career as an operator in Siler City. After working there for a year, he was hired on at his current employer as night shift operator/maintenance support. In his current role, he has made huge strides and expanded his knowledge to a membrane filtration system. With his previous experience, this person has been able to venture outside of his comfort zone to thoroughly learn and excel what is expected of him. His determination to learn, grow, and excel are traits that will carry this person far in his career as well as his passion and dedication.



A Well

Linda Skinner **Currituck County**

This recipient started as a meter reader for 8 years and was promoted to an operator in 2010. Prior to that, she was a photographer for a local newspaper.

Nominator stated that this person is always on top of things and great at keeping the lab in compliance. She is a real asset in our operations-always coming up with new ideas and suggestions to make operators' job easier and very detailed oriented. Her 15 years in the industry gives her that notable operator instinct, knowing when something is not right at the plant and usually seeing it before anyone else.

In addition to A-Well, she holds a Bacteriological certification and Grade 1 Physical/Chemical certifications.



B Surface

Luke Covert **Piedmont Triad Regional** **Water Authority**

This recipient has over 15 years in the industry. He began his career as an operator for the City of Greensboro. He made the



B Well

Christopher Tedder **Town of Snow Hill**

This recipient was hired in 1996 as an equipment operator and progressed to his current position. He now serves as ORC and operates 5 wells and sewer pump stations. He holds a B-well, B-Distribution, Cross Connection, Grade 2 WW, and Grade 2 collections. He possesses high integrity and takes pride in the town's system, regularly working seven days a week in order to maintain compliance. He is always learning from others and goes to the extreme to save money. He makes sure residuals are perfect in the distribution system. The town manager stated compliance is the least of his worries under his charge.

C Well

Lee Sasser **Washington County**

This recipient started out as a distribution system technician and was promoted to operator due to his mechanical skills and ability to control systems. In addition to C-Well, he holds C-Distribution and expects to obtain B-well soon. He regularly attends section meetings and is a hands-on learner, finding ways to maximize efficiency and minimize safety exposures. This person updated SOP's which eliminated a lot of redundancy resulting in more time for much needed preventative maintenance. He also serves the community as a volunteer firefighter.



Lab Analyst of the Year

Robin Blackburn **Neuse Regional Water & Sewer Authority**

This recipient has over 10 years in the water industry. The nominator wrote she is one of the hardest working people that I have ever known. Whether she is doing a simple chlorine test, teaching a new operator the details of the lab, or trouble-shooting an online analyzer, this person gives her 120 percent. She is not only a good student, but a great teacher as well. She attends Earth Day events every year to educate the public on the value of drinking water and protecting our environment.

She wears many "hats" at Neuse Regional. Robin's titles



include Chemist, Wastewater ORC, and Instrumentation Technician. In addition, she fills in for operators on short notice. During Hurricane Matthew, she volunteered to stay at the plant for a week until the Neuse River receded and the plant was back to normal operation. Robin is a specialist when it comes to overseeing Neuse Regional's many online lab instruments. If there is a problem with a turbidimeter, chlorine probe, or chloramines unit at Neuse Regional, Robin is the person with the answer. In most cases, the problem will be fixed shortly.

Robin has an Associate Degree in Water Resources Management from Lenoir Community College and a Bachelor of Science in Biology from Christopher Newport University. She holds several North Carolina certifications, which include A Surface, Grade 2 Wastewater, Physical Chemical 1, Process Control Certificate, and Microbiological Certificate.

In conclusion, Robin Blackburn is hardworking, knowledgeable, and an over-achiever. Using her many talents, she helps the plant operate smoothly while gaining and sharing her knowledge of the water industry with others in the plant or community.

Educator of the Year

Tom Boyd **NCDEQ-Retired**

This recipient is passionate about drinking water treatment and educating water treatment plant operators. Before retiring in 2017, Tom worked 30 years in the water and waste water industry including the last 10 years as the Environmental Senior Specialist in the Winston-Salem Regional Office. He was an invaluable team member for the office and the Public Water Supply Section, and his dedication to protecting public health for the citizens of NC through protection of drinking water is admirable.

Tom was/is a great resource to the surface water plants he inspected and to other plants located in NC. He answered calls received on his work cell phone 24 hours a day to provide guidance and help to water plants that were having difficulty.

Tom was/is passionate about educating water treatment plant operators. He has repeatedly volunteered to give presentations to share his knowledge of water treatment at NCWOA section meetings, annual schools and advanced day. His previous experience as an operator made him a great instructor that students could gain knowledge. Tom received high marks for the classes he instructed.

Tom was a member of the NC (AWOP) from 2007 until his retirement in 2017. He served as the Team Coordinator for his last four years. Tom excelled at utilizing AWOP tools to educate and help operators improve compliance filter performance and turbidity, and Disinfectant Byproducts. Tom was integral in 69 WTP meeting AWOP goals this year benefiting over 3.8 million residents in NC.



Outstanding Operator of the Year

Object of the Award

The object of the award is to annually recognize one waterworks operator for his/her outstanding ability and devotion to the water supply profession that best merits the title "Outstanding Operator of the Year."

Basis for the Award

The award may be made by the Outstanding Operator of the Year Award Committee for any of the following reasons: outstanding proficiency in plant operations, records, and reports; exceptional organizational activities in the award winner's facility, demonstrated educational practices, or investigations leading to improvement of the profession; exceptional devotion to duty, and outstanding service to the Association.

Chris Smith

Fayetteville PWC (Hoffer/Glenville WTP)

28 Years of Service

Water Plant Manager

Mr. Smith started as an Operator I and within less than 3 years had shown his worth and dedication and was promoted to Sr. Operator. He continued to be a leader and train others while educating himself, and learning all he could about his craft. It wasn't too many more years when the Operations Supervisor position came open and he was a great fit to fill it. His drive and ambition continued to shine as he wanted to become one of the best in the field and he once again proved this by being named Water Plant Manager and still currently holds this position.

He oversees (2) water plants and sees that they run at a high level daily. His ambition and drive is contagious, and encourages others to be better, do better, and reach higher. He pushes the staff to keep the plants ahead of potential new rule changes and implements rules well before the state does just to keep us running at the highest level and standards possible.

He has served as Secretary, Vice-Chair, and Chair of the SE Section. He has been the NCWOA President, and served on various committees such as nominations committee, board of examiners, annual schools and many other volunteer duties.

He is a true advocate of the water industry, and always helps to educate customers and the local community on the importance of water. His great personality and character makes him easy to talk with and work with as a co-worker and friend. His community outreach goes state wide and during tragedy is always there to lend a hand to help other municipalities if it's needed.

He is honest, dependable, hard-working, always thinking of how to make the plants better, people person, and reliable. He is a true representation of what all water plant professionals should strive to be and how we all should carry ourselves to "Train Tomorrows Water Professionals/Leaders Today". This man is very worthy of being named Outstanding Operator of The Year and would represent it well.



Special Award of Merit

Object of the Award

The object of this award is to recognize a member or members of the Association for their devotion, outstanding service, and dedication to the Association and the Waterworks Profession.

Cindy Gall - NCWOA

The person that I have the honor of presenting this Merit Award to has all of its qualifications. Even though I know people who have been involved with NCWOA longer than this person, personally, I can't recall when this person wasn't involved with NCWOA.

But long ago, there was such a time. All the way back to 2002, as a matter of fact. And if you go back even further, to 1972, I was trying to get through elementary school and this person was graduating from Catawba College. She then worked for H&R Block for 29 years. In 2001, this person ran the seminar program for NC AWWA/WEA and administered about 50 seminars in one year. Wow.

Finally, in 2002, Cindy became Administrator of NCWOA. She has been an invaluable asset for us, providing us with direction and finding ways to save money that probably no one else could find.

Cindy is the Tom Flowers award winner from the Southeast Section. She lives in Emerald Isle, loves the beach, and volunteers with Island Cat Allies, Emerald Isle Sea Turtle Patrol, and Emerald Isle Neighborhood Watch Program.

Time marches on, and she will be retiring from NCWOA at the end of this year, but I can say that I have really enjoyed working with and getting to know her. I'm sure all of NCWOA would agree that we can't thank Cindy enough for all she has done for NCWOA and wish her a long and happy retirement.



2018 Life Members

Life Membership is awarded to any active member who has maintained an uninterrupted membership in the Association for a period of 25 years, is in good standing with the Association, and may be elected by a two-thirds majority of the members present and voting.

Tom Boyd
NCDEQ (Retired)

Clarence Cannady
Sampson County

J. Fred Edwards
Safety & Environmental Consulting

Philip Edwards
Fayetteville PWC

Jonathan Elder
City of Hickory

Richard Ellenburg
Springbrook Estates

George Gatewood

James Gibson
Fayetteville PWC

James Hasty
Roanoke Rapids Sanitary District

Dennis Hodges
City of Mt. Airy

Marvin McCracken
City of Asheville

Larry Moseley
Roanoke Rapids Sanitary District

Marvin Norris
Allan O'Briant
Harnett County

Sandy Prestwood
City of Hickory

Willie Saul
Willie Saul & Son Plumbing

John Tapscott
Hydro Management Services

Aaron Thomas, Jr.
City of Monroe
Roger Townsend
City of Hickory (Retired)

Daniel Wiedner
Wiedner Water Works, Inc.

2018 Operator Spotlight Recap January

Tim & Sandy Vos
King Mountain
Club

King Mountain Club is a small private community (water system) located just west of Highlands, NC, near the Scaly Mountain area. The water system is unique because it is served by two small springs and one backup groundwater well. The springs were deemed to be groundwater under the direct influence of surface water in the early 1990s, therefore the sources required more treatment instead of just chlorination.

After several years of testing and rehabilitation of the springs, it was decided that membrane filtration would be the best treatment method to insure user protection against possible microbiological contamination. Therefore, in 1996 a three (3) cartridge Memcor Membrane filtration plant was constructed and placed on line. At the time this was the smallest membrane filter plant in North Carolina at a rate of only 35 gallons per minute. Tim has not only operated the treatment system, but has also done most of the repair and replacement of the membranes over the years. He maintains the entire water system with little to no outside assistance and it is maintained in excellent condition.

Tim and Sandy turned out to be extraordinary operators and managers of the water system, which has never had any major outages in the 24 years they have operated the system. In the drought of 2005 the springs just about went dry, so Tim devised a plan to build a large underground concrete tank to hold and store raw water. This allowed him to ration the water during droughts in order to provide water service to everyone.

Due to his successful and dedicated work at King Mountain, Tim was chosen as the C-Well Operator of the Year by NCWOA in 2006. Sandy acts as the bookkeeper, lab sampling specialist and manages the compliance monitoring schedules.



2018 Operator Spotlight Recap April

James Proctor
Town of Ayden

Back in 2016, the Town of Ayden offered James Proctor the director of utilities and public works job. It was just what he had been looking for, an opportunity to come home and end his almost three-year commute. A job commute that began in Franklin County, NC for the first 10 months and then a move to the City of Oxford as the director of public works & utilities.

Proctor started his career in the wastewater and water industry back in 1989 with the City of Rocky Mount. He really didn't have a planned direction, so some of his family convinced him to go to work for the city so he could move more easily into a job with the fire department.

When a wastewater supervisor job opened at DuPont, in Kinston, Proctor jumped on it. While at DuPont he was introduced to distribution and drinking water because the facility needed a water operator. "I was willing to do that and was sent to school for a well license and took over the well system," Proctor explains. "DuPont had a 3.5 mgd facility and I worked there for 14 years under five different entities."

He has enjoyed the growth he has seen in the industry and the education it affords for young people looking for a career. "I tell my employees if you want a job go to McDonald's; if you want a career, come here and go through the licensing," he says. "I saw value in the licensing and it went from being a job to a career."

He says the water industry has been really good to him and moving forward in the future the industry needs to learn how to communicate with this younger generation and help employers train their staff in such a way that does not hurt the employer.



2017 NC Area Wide Optimization Award Recipients

Given by the NC Division of Water Resources Public Water Supply section. These awards are part of the NC Area Wide Optimization Program, which is an effort to enhance the performance of existing surface water treatment facilities.

- Town of Andrews Water Treatment Plant
- Appalachian State University
- Town of Boone Water Treatment Plant
- Broad River Water Authority Water Treatment Plant
- Brunswick County
- City of Burlington - Ed Thomas Water Treatment Plant
- Town of Burnsville Water Treatment Plant
- Cape Fear Public Utility Authority-Wilmington-Sweeney Water Treatment Plant
- Town of Cary Water Treatment Plant
- Charlotte Water - Franklin Water Treatment Plant
- Charlotte Water-Lee S. Dukes Water Treatment Plant
- Charlotte Water - Vest Water Treatment Plant
- City of Cherryville Water Treatment Plant
- City of Concord - Coddle Creek Water Treatment Plant
- City of Concord - Hillgrove Water Treatment Plant
- Town of Dallas
- Davidson County - Gregg W. Stabler Water Treatment Plant
- City of Eden - Robert A. Harris Water Treatment Plant
- Town of Elkin
- Fayetteville Public Works Comm. - Hoffer Water Treatment Plant
- Town of Forest City
- Town of Franklin
- Greenville Utilities Comm. - Charles Horne Water Treatment Plant
- City of Hamlet Water Treatment Plant
- Harnett County Water Treatment Plant
- **Henderson-Kerr Lake Regional Water Authority**
- City of Hickory Water Treatment Plant
- Town of Hillsborough
- Johnston County Water Treatment Plant (East)
- Johnston County Water Treatment Plant (West)
- City of Kannapolis Water Treatment Plant
- City of King Water Treatment Plant
- City of Lenoir Water Treatment Plant
- Lincoln County Water Treatment Plant
- **City of Lincolnton Water Treatment Plant**
- Town of Madison Water Treatment Plant
- Maggie Valley Sanitary District Water Treatment Plant
- **City of Marion Water Treatment Plant**
- Town of Mayodan Water Treatment Plant
- Montgomery County Water Treatment Plant
- Town of Mooresville Water Treatment Plant - Plant 2
- City of Morganton-Catawba Water Treatment Plant
- City of Mount Airy - F.G. Doggett Plant
- City of Mount Airy - S.L. Spencer Plant
- City of Mount Holly Water Treatment Plant
- **City of Newton Water Treatment Plant**
- Town of Norwood Water Treatment Plant
- Orange Water & Sewer Authority
- Piedmont Triad Regional Water Authority - John F. Kime Water Treatment Plant
- Plant
- Town of Pilot Mountain Water Treatment Plant
- Town of Pittsboro Water Treatment Plant
- City of Raleigh - D.E. Benton Water Treatment Plant
- City of Raleigh - E.M. Johnson Water Treatment Plant
- Town of Robbinsville - Rock Creek Water Treatment Plant
- City of Sanford Water Treatment Plant
- Town of Smithfield Water Treatment Plant
- Town of Southern Pines Water Treatment Plant
- City of Tarboro Water Treatment Plant
- City of Thomasville Water Treatment Plant
- Tuckasegee Water & Sewer Authority
- Town of Valdese Water Treatment Plant
- City of Waynesville-Allens Creek Water Treatment Plant
- Town of Weaverville - Ivy River Water Treatment Plant
- Western Carolina University
- Town of Wilkesboro Water Filtration Plant
- City of Winston-Salem - R.A. Thomas Water Treatment Plant
- City of Winston-Salem - R.W. Neilson Water Treatment Plant

****"Gold Star" Honor - systems that have received the NC AWOP Award for 10 consecutive years**

In Memorium



Alan Childers

Alan "Dale" Childers, 62, of Connelly Springs, went home to be with the Lord, Friday, March 9, 2018, after a period of declining health.

He was a wonderful loving husband, father, and grandfather. He loved the Lord and his family, especially his precious grandchildren. He loved to fishing, kayaking, and enjoyed taking all of his family along. He worked for the Town of Valdese Water Plant.

He was preceded in death by his parents, Archie and Nancy Childers. Dale is survived by his loving wife, Teresa Evans Childers; sons, Jesse Childers and wife, Natalie, Clinton Childers, and fiancé, Kasey Wooten, Dustin Cook and girlfriend, Sadie Jordan; daughter, Danielle Childers; sisters, Sherry Johnson and husband, David, Wendy Proctor; brothers, Tony "Scott" Childers and wife, Sheila, Derrick Childers; grandchildren, Zoe Cook, Ashton Cloer, Taylor Cloer, Mikalah Childers, Ava Childers, Jace Childers, sweet angel, Kayelee Childers, Jaelyn Childers, Shane Stewart; and special nephew, Brian Johnson.

Dale had a big heart. He always had open arms and home to his many nieces, nephews, and friends of his children, especially Dustin "Duck" McDaniel and Adam Lail.

Alan was a member of NCWOA for six years.

Dennis Crane, Jr.

Dennis Filbert Crane, Jr. 55, of 276 Longridge Road, Columbia, died Monday, January 15, 2018, at Lifeway Hospitals of N. C. in Rocky Mount.

Born in Tyrrell County, September 5, 1962, he was the son of Mary Ann Hassell Crane Cooper and the late Dennis F. Crane, Sr. He was a graduate of Columbia High School and has just been recognized for 15 years of service to Tyrrell County as water plant operator. He also worked for 17 years as an Emergency Medical Technician.

Surviving in addition to his mother are a son, Dennis F. Crane III; two sisters, Barbara Ann Crane Smith and husband, Hughey of Loxahatchee, Florida and Christi Lynn Cooper of Columbia.

Dennis was a member of NCWOA since 2001.



George Curtis

Mr. George Stanley Curtis, 68, went to be with the Lord on Sunday, November 4, 2018.

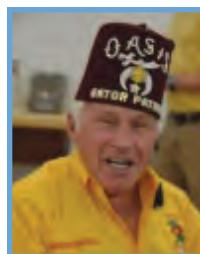
George was a man who loved the Lord and served his church both as a deacon and elder and was instrumental in organizing trips and outings for the "Senior Saints". He loved his church family, hunting and playing golf. He was also a big N.C. State fan in basketball and football.

George loved his job as superintendent of Waste Water Treatment Facility for the city of Rocky Mount, N.C. for 30 years. He was awarded the William D. Hatfield Award which is awarded for outstanding performance and professionalism in the operation of the treatment facilities by the NC Chapter of Water Environment Federation.

George is survived by his wife, Kay Brown Curtis; his brothers, Richard and wife Patsy of Williamston, James and wife Minnie of Rocky Mount, and Mike of Hamilton; his sisters-in law,

Nancy and Ann Curtis, and Becky Brown Davis; his father-in law, Harvey Brown, and many loving nieces and nephews.

George was a lifetime member of NCWOA (member since 1981).



Richard Ellenburg

Richard Ollie Ellenburg, 80, of Hickory passed away on Tuesday, September 25, 2018 at Frye Regional Medical Center.

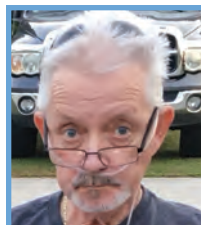
Born August 2, 1938 in Pickens County, SC, he was the son of the late Hovie Earl Ellenburg and Viola Geneva Reid Ellenburg. In addition to his parents, he was

preceded in death by his brother, TL Ellenburg.

Richard was an active member of The Episcopal Church of the Ascension, where he served on the vestry. He was a veteran of the United States Navy and retired from the Alcoholic Beverage Commission. Richard was a member of Masonic Lodge #343 and an active member of Catawba County Shrine Club, where he was a member of the Gator Patrol.

Richard's greatest love was his family. He adored his wife, sons, and grandchildren. Survivors include his wife, Sadie Whitener Ellenburg of the home; his son, Ritchie Ellenburg (Annette); two step-sons, Eric Whisnant (Jackie O'Hara) and Doug Whisnant (Rosanna); and three grandchildren, Erica, Conner, and Turner Whisnant; all of Hickory.

Richard was a lifetime member of NCWOA (member since 1993).



Michael Holbrook

Mr. Michael Lee Holbrook, age 63, of Dobson, NC passed away on Tuesday, January 23, 2018 at Hugh Chatham Memorial Hospital in Elkin, NC.

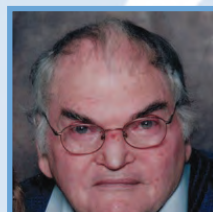
He was born in Surry County on October 19, 1954 to the late Dennis Lee Holbrook and the late Rozella Norman Holbrook.

In addition to his parents, he was preceded in death by his Godparents Odell Jenkins and Louise Norman Jenkins; one brother Tim Holbrook.

He was retired from the town of Dobson as a supervisor for the water plant, and he attended New Hope Baptist Church.

Surviving are his loving wife, Grey Lynn Hawks Holbrook of the home; two daughters and son-in-law, Michelle and Justin Burcham of Mt. Airy and Jennifer Lynn Holbrook of the home; two grandchildren, Alicia Burcham, Nate Shaw; sisters and brothers-in-law, Teresa and Gary Sheppard, Laurene and Jake Owensby; his favorite furry buddy, Mindy.

Michael was a member of NCWOA for 10 years.



Allen Isley

Allen D. "A.D." Isley, 83 of Snow Camp died Thursday, May 31 at Alamance Health Care Center in Burlington.

He was a Native of Durham Co. NC, retired lab supervisor and chemist in the City of Burlington water treatment department and a member of Haw River United Methodist Church.

He was preceded in death by his wife, Marian Isley. He is survived by his sons; Allen Drew Isley of Snow Camp and Jeff

Isley of China Grove; sisters in law, Cindy Burrell of Burlington, Sylvia Seawell of Gastonia, Elizabeth Simms of Elm Grove, LA and special friend, Sharon Wagoner of Burlington.

Allen was a lifetime member of NCWOA (member since 1958).



Lanny Ollis

Lanny Ollis, age 53, passed away Thursday, June 21, 2018 at Cleveland Regional Medical Center.

He was born on July 12, 1964 in Avery County to the late Boyd Ollis and Mary Cornett Ollis. In addition to his parents, he was preceded in death by his father-in-law, Gene Rippey; brother-in-law, Mike Rippey; and niece Kimberly Thrift.

Left to cherish his memory is his wife of 29 years, Malinda Ollis; two daughters, Macy Ollis and Leslie Ollis; adopted son, Jeremy Lewis; and one sister, Connie Lethcoe. He is also survived by his mother-in-law, Sue Rippey; two brothers-in-law, Mark Rippey (Tracy) and Mitchell Rippey (Jodie); and numerous nieces and nephews.

Lanny was retired, but in the past Lanny was a very active member of NCWOA helping with meetings, and events for NCWOA, both while he was at the City of Shelby, and while at Cleveland County Water. He was also ORC of the Cleveland County Water Plant during the mid 2000's up to about 5 years ago, when he retired.

Lanny was a lifetime member of NCWOA (member since 1989).

Brian Sample

Brian Lee Sample, 44, of Wilmington, NC died Tuesday, July 4, 2017. He was born May 25, 1973, in Roanoke, VA, to Julie Littlepage Sample and the late James W. Sample.

Brian was employed with Cape Fear Public Utility. Survivors include his wife, Sandra L. Sample; mother, Julie Sample; son, Travis Sample; stepsons, Joshua and Johnzelle Anderson.

Brian was a member of NCWOA for 3 years.



Duane Sando

Duane Daryl Sando, age 75, went to be with his Heavenly Father on Sunday, April 15, 2018 at his home.

Born in Cavalier County, North Dakota on January 16, 1943 he was the son of the late Clarence John and Elizabeth Helen Kempe Sando Greenshields and step father, Bill Greenshields.

Duane proudly served and retired from the United States Air Force after 23 years of service including the Vietnam War. He retired again after 25 years with the City of Shelby as Superintendent of Water and Wastewater.

Duane was a loving and devoted husband, father, grandfather, and great grandfather and loved spending time with family and friends. After retirement, Duane enjoyed watching birds, playing golf and going to church. Duane was a member of First Baptist Church where he served on the church mission council as well as other committees. He was a member of The Other Side of 50 Class and looked forward to the trips they took. Duane never met a stranger, always had a smile and would talk to anyone.

Duane is survived by his wife of 50 years Sherry Dellinger Sando. A son, Daryl Sando and wife Abby of Cherryville; two daughters, Angela Greene and husband Tracy of Patterson Springs and Nicole Walker and husband Bryan of Haw

River, NC. Four grandchildren, Ashlee Berry and husband Tim, Bethany Greene and Fiancée Eric, Cady Greene, and James Walker; four great grandchildren, Peyton, Brooklyn, Grayson, and Trace; two sisters, Gloria Plummer and husband Gene of Wahpeton, ND, and Linda Kaldor and husband Gary of Mayville, ND; and numerous nieces and nephews.

Duane was a lifetime member of NCWOA (member since 1985).



Roger Taylor

Roger David Taylor, age 56, of Lenoir, passed away April 14, 2017 at his residence. He was born April 3, 1961 in Caldwell County to Dorine Davis Taylor and the late David M. Taylor.

Mr. Taylor loved his family and friends and was a wonderful husband, son, brother and step-father to Shelby and will be missed by all. He loved playing his guitar, being outdoors and riding his Harley. He was a 1979 graduate of West Caldwell High School and was employed with the City of Lenoir Public Utilities Department for 30 years. He was of the Baptist faith and attended Hartland Baptist Church.

Survivors include his mother, Dorine Davis Taylor; wife Linda Hawkins Taylor of the home; one step-daughter, Shelby Bishop of the home; and one sister, Carol Harless and husband Harold of Old Fort.

Roger was a member of NCWOA for 8 years.



Terry Taylor

Terry Edward Taylor, age 59, gained his wings and went to the Kingdom of God on Saturday, December 30, 2017 at his residence.

He was born in Arlington, VA on January 27, 1958 to the late Don Taylor and Ortha

Trivette Taylor. He was married to Becky Bolick Taylor of the residence.

Terry was an ordained children's minister and had a passion for children. He was a simple and loving man, who always tried to see the good in everyone. He loved his family and friends dearly.

In addition to his wife, Terry is survived by his son, Storm Taylor and fiancée, Samantha Norris; sisters, Erma Hamby of West Jefferson; Donna Farmer of Lansing; Diane Hellmandollar of Taswell, VA; brother-in-law, Harold Richard Bolick; father-in-law, Harold Thomas Bolick; and numerous nieces and nephews.

Terry was a member of NCWOA for 5 years.

2018 Spring School





A-Surface

2018 Fall School



B-Surface



C-Surface



A-Well



B-Well



C-Well

Heather Cagle, Administrator
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High Point, NC 27262

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NCWOA 2018 - By The Numbers

79 years

2,786 Total Members

NE Section = 568, SE Section = 650, SP Section = 427, NP Section = 598, Western Section = 543

3,468 + hours of credit issued for sectional training & 5 seminars

267 Students at the Spring School in Hickory

B-Well = 9, C Well = 62, A-Surface = 40, B-Surface = 47, C-Surface = 55, Advanced Day = 54

243 Students at the Fall School in Raleigh

A-Well = 13, B-Well = 11, C Well = 45, A-Surface = 36, B-Surface = 26, C-Surface = 54,
Advanced Day = 58

16 Corporate Sponsors and 1 Advertiser

Thank you for another great year!