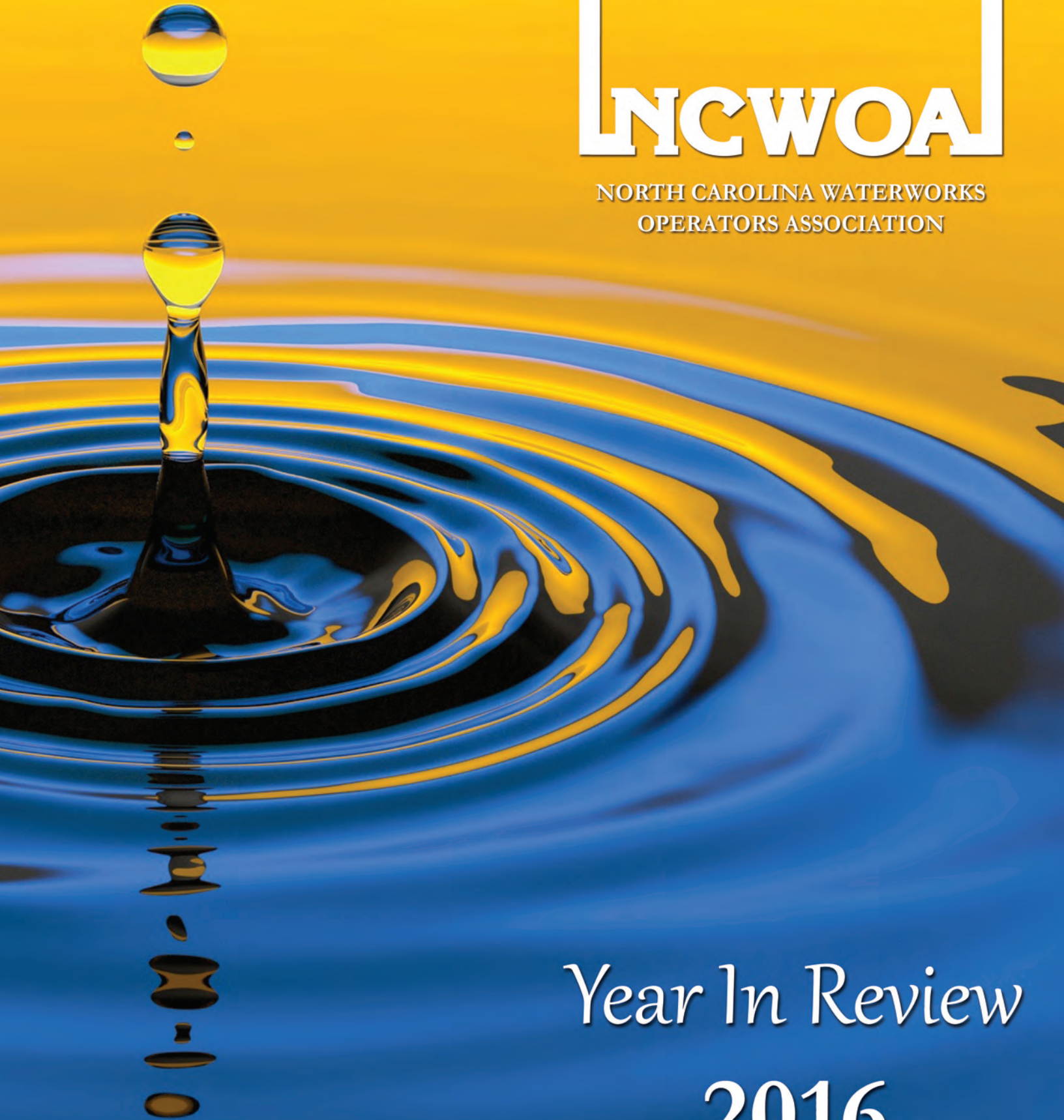




NORTH CAROLINA WATERWORKS
OPERATORS ASSOCIATION



Year In Review
2016



From the President

It is with great pleasure I introduce the ninth edition of the NCWOA Year in Review. I was the Editor of the first edition of Year in Review when my mentor and friend, Leslie Carreiro, served as NCWOA's President. Ironically, the roles have flipped now with Leslie and the NCWOA Member Services Committee publishing this informative publication to capture the Association's activities in 2016. The Year in Review includes the 2016 financial statement, minutes, and award recipients from the annual business meeting in September. It also includes an In Memoriam section to pay tribute to our dedicated members who passed away in 2016, a recap of the Operator Spotlight articles published in the Go With the Flow, and pictures from annual schools.

As I reflect on a few highlights of 2016, I'm struck by what a busy year it was for NCWOA.

- **Staffing-** As everyone celebrated a New Year, January 1st also was a new beginning for NCWOA. Heather Cagle began her new position as NCWOA Administrator as Cindy Gall transitioned into semi-retirement as part-time Comptroller. Mike Richardson joined the team later in the year as Education Specialist to complete NCWOA's staff. The transition went smoother than anyone could have imagined, primarily due to retaining Cindy's years of knowledge. In addition, Heather and Mike brought a wealth of experience to their respective roles, along with fresh perspectives for the Association's future.
- **Seminars-** NCWOA held 16 seminars in 2016 in various locations across the state, providing professional growth and networking opportunities for water industry professionals.
- **Annual Schools-** NCWOA's Annual Spring and Fall certification schools were held in Morganton and Raleigh, respectively, in conjunction with Annual Advanced Day in both locations. Annual Exhibits Day was also held at the schools. This year Morganton had a record number of vendors showcasing their products and services to school attendees.
- **Member Services-** Changed quarterly Go With the Flow publication dates to ensure that members obtain pertinent information in a timely manner.
- **Raleigh Annual School-** The traditional Tuesday evening Annual Business and Operators Awards Dinner was moved to Wednesday during lunch. This was a huge success with over 375 people in

attendance as the Association recognized award recipients and summarized section and committee activities. In addition, the host hotel was moved to the Holiday Inn Express to ease the daily commute to the Mckimmon Center.

- **Moodle-** We were excited that the online supplemental study course was made available to all certification levels during the Raleigh school. Students were able to take advantage of the Moodle program to assist in exam preparation. Moodle will be available in 2017 and is included in the school registration costs for those who register.
- **Retired Washington Regional Engineer, Mike Bell,** stepped down from the NE Secretary position after serving for 34 years. Mike has been an active member since 1965. His successor, Joey White, Washington Regional Office, was nominated and elected at the NE section meeting in December. NCWOA appreciates Mike for his longevity, dedication and commitment to operators.

I would like to thank all members who actively participated to make 2016 a successful year. There is still room for more volunteers. Feel free to contact me or any of the section chairs to see how you can keep this great Association moving forward in 2017. A special thanks to Sam Molinas for the countless pictures he took to commemorate the highlights of the year and the Member Services Committee for producing quality publications. Finally, thanks to all of our members and NCWOA corporate sponsors -- all of you make this publication and this Association possible.

I look forward to seeing you in 2017!

Julius Patrick
Greenville Utilities Commission
NCWOA President



From the Editor

Welcome to the 2016 edition of the Year in Review.

This is one of my favorite publications our association creates. I hope you will also enjoy reminiscing over the Operator Spotlights, articles, Operator Awardees' Bios and the many events of the past year. The Membership Services Committee plans the Go With the Flow and Year in Review. We hope that you have found the articles interesting and pertinent. If you have an idea for an article or operator spotlight please send an email to any of the members on the committee (committee lists are located on our website and in Go With the Flow).

Thank you to the Member Services Committee for their ideas, gathering of information, writing various articles, welcoming new members and ensuring plenty of exhibitors are available for members to meet during Advance Day.

It is NCWOA's mission to provide you, the highly skilled operator, with multiple opportunities each year to interact with your peers. Thank you to all of the members who have attended seminars, schools and section meetings during the year, as well as those companies and plants that hosted the events.

Please consider becoming more active in our Association as we are only as strong as our volunteers.

Sincerely,

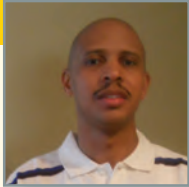
Leslie Carreiro
City of Asheville
Public Image Chair



NCWOA 2016 - 2017 Board of Directors

*From left to right - second row: Jeremy Godfrey, Ray McCall, Jeff Isley, Julius Patrick, Ken Loflin, Frank Efird
from left to right - first row: Sam Molinas, Tena Mullis, Leslie Carreiro, Michelle Clements, Pat Irwin
not pictured: Randy Hawkins, Chris Smith, Steve Pope, Mike Houston*

Executive Committee/Staff



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Chair - Western Section

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Chair - North Piedmont Section

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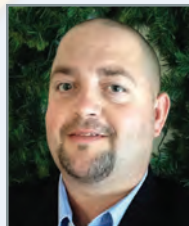
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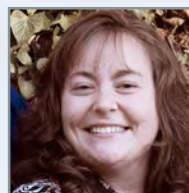
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77th Annual Business Meeting & Operator Appreciation Luncheon

September 28, 2016 12:00 PM - McKimmon Center, Raleigh, NC

President Julius Patrick called the meeting to order and welcomed everyone to the 77th Annual Business Meeting and Operator Appreciation Luncheon.

The meeting was opened with prayer by Ray McCall.

President Patrick called upon Michelle Clements to read the minutes from the 2015 Annual Business Meeting. A motion was made and seconded to approve the minutes as read. Motion Passed.

President Patrick called upon Randy Hawkins to read the Treasurer's Report for the last fiscal year (July 1 2015-June 30, 2016).

Financial Report:

Beginning Balance
\$ 719,779.00

Revenue
\$ 277,420.00

Expenses
\$ 291,640.00

Interest Income
\$ 10,005.00

Total Net Assets of June 30, 2014
\$ 715,564.00

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

President Patrick called upon Jeff Isley 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

President Patrick called upon Ricky Langley for the annual audit report.

Ricky Langley reported that the Audit was complete and successful.

President Patrick called upon Ken Loflin to give the Committee's Annual Report.

Ken Loflin reported on Annual Schools, Seminars Committee, Lab Analyst Committee, Board of Examiners, Public Relations and Membership. Reports on file.

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

James Balance, Jr, Tony Childers, Thomas W. Farmer, Nancy Florence, Paul Judge, Keith Starnier

President Patrick recognized the Exhibitors and Corporate Sponsors: AC Schultes of Carolina, Cummins Atlantic, Carolina Management Team, Univar, Advanced Enterprise Systems/Utility Cloud, Charles R Underwood Inc, Fortech Inc, Jack Moore and Associates, Kemp Inc, Clearwater Inc, Greenville Utilities, The Perkinson Company, McGill Associates, Amerochem Corp., Daparack, Inc., Eurofins Eaton Analytical, Hach Company, Heyward Inc., In-Water Services Co., Inc, JS Dismuke, Southern Corrosion, Trinity Manufacturing, Water Guard, Willis Engineering, Brown and Caldwell, Hazen and Sawyer, Pearson Pumps Sales and Service.

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

Michael R. Amos, Jerry W. Byerly, Lenward G. Camp, Leslie P. Carreiro, Roger B. Durham, Daniel Gatewood, Kathy Gatlin-Current, Nicholas D. Hamrick, Jane E. Harris, Johnny R. Hensley, Christopher R. High, William C. Holeman, Patrick J. Irwin, Irene B. Jenrette, Wanda G. Ladd, Kenneth R. Loflin, Alana B. Loughlin, William G. McKinney, Gina M. Miller, Clinton W. Mishak, Ken V. Shelton, Burt E. Slater, Michael E. Smith, Joseph H. Threewitts.

President Patrick presented the Special Award of Merit to Michelle Clements and Jeremy Godfrey.

President Patrick called on Chris Smith to present the AWOP Awards. Fifty-six surface water systems have met or exceeded the turbidity performance goals for settled and filtered water in calendar year 2015 and have received AWOP Awards from Public Water Supply.

Ray McCall came forward to present the Certified Operator of Year Awards. The recipients were:

C-Well: Anthony Holder of American Water Corporation, Spruce Pine, NC

B-Well: Stuart Black of NCDEQ

A-Well: Travis Anderson, City of Clinton, NC

C-Surface: Heather Hicks, Town of Denton, NC

B-Surface: Ben Worley, City of Marion, NC

A-Surface: Ronnie Presley, City of Asheville – William DeBruhl Water Treatment Facility

Educator of the Year: Diane Williams, Wilmington, NC

Lab Analyst of the Year – Andrew Foy, City of Hickory, NC

Chris Smith presented the Outstanding Operator of the Year – Randy Hawkins – Retired City of Charlotte

President Patrick thanked the members for their attendance and hard work this past year and provided some closing remarks.

President Patrick 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

Ronnie Pressley City of Asheville

This awardee is a 28-year water treatment veteran who is working for the largest city in Western North Carolina. He is currently the ORC of one of the three surface water treatment facilities there; however, he has been the ORC at all three at some point during his career. He is also frequently called upon to be the acting production supervisor and has always performed those extra duties honorably.

He is a devoted family man and is a proficient and gifted gardener and landscape designer. He loves nature and plants and has designed and installed some beautiful garden beds around the city's utility infrastructure as well as at the treatment facilities.

His co-workers describe him as a "dedicated employee, patient supervisor and excellent planner and manager." The facility he manages is in top-notch condition and has always met and exceeded the safe drinking water standards. His plant has also received numerous AWOP awards for meeting exceptional turbidity removal limits. He was instrumental in the re-start of his plant after it had been decommissioned for several years. The rehab and new start-up went off with little problems, as if the plant had never been shut down for such an extended time. Today the plant looks new and performs as if it was just built yesterday.



B Surface

Ben Worley City of Marion

This awardee lives and works where "Main Street Meets the Mountains." He started his water treatment career in 2003 and just like all operator trainees, tried hard to learn the new job. He has always been a hard worker and wants to do the job right every time and every day. He has been an active part of many plant upgrades during his 13 years with the city and has helped greatly to make his 1955 model water treatment plant look and perform to its best potential. The plant has been a recipient of the AWOP performance award for all of the years he has worked there. His plant is a "Gold Star" plant in that category.

He is a devoted husband and father of three children. His immediate goal is to become the ORC of the treat-



ment facility and his management staff reports that he is the "man for the job" once he obtains his A-Surface license. Quoting his past and immediate supervisors and nominator, "he is very dedicated to his work as a water treatment operator and always performs quality and timely work. He comes to work every day with a smile and a willingness to get the job done right."

C Surface

Heather Hicks Town of Denton

She is from a place once called, "Finch's Cross Road" in lower Davidson County. This awardee just began working as a water treatment operator in 2014 as a part-time worker in the Public Works Department but since that time she has acquired her C and very recently B-Surface licenses. She was transferred to the water plant as a backup operator but has since moved up to be one of the main cogs in the operation. She has filled in for the vacant ORC position by collecting compliance samples as well as implementing and preparing the electronic EMOR reports. Her supervisor states, "I cannot express how great it is to have someone that can see what needs to be done and actually does it and does it well. One of the best decisions I made was to hire her and she has not let me down."

Her nominator describes her as someone who is "easy to work with, quick to learn and someone who always works with a smile on her face."



A Well

Travis Anderson City of Clinton

This year's awardee hails from just east of the Fayetteville area of our great state. He is the water production supervisor for his city and has worked in the water industry now for 21 years. He holds a Grade A-Well, Grade II Biologic Wastewater and Grade I Physical/Chemical license.

He is also an active member in NCWOA and the NCRWA and a strong supporter of American Cancer Society, Relay for Life, Muscular Dystrophy Association and the United Way. He serves on the city's Accident Review Board and the Well Head Protection Committee. He also is an avid outdoorsman and sportsman as well as family man and mentor to everyone.

His supervisor has described him as someone "who is always fully committed and dedicated to helping the



citizens he serves as well as the community he lives in. He is highly driven and motivated to do the very best job possible in all of his endeavors."

B Well

Stuart Black NCDEQ

This awardee resides near the gateway to western NC, where he lives with his wife and three sons. He is very active in his community working with the little league football, baseball and softball teams. He is an active church member and always demonstrates his faith and commitments through his friendliness and caring for others.



He is a graduate of NC State University and has worked throughout his career as a registered Sanitarian, Sanitarian Supervisor, Soil Scientist, Environmental Technician and a licensed B-Well operator. This accounts for over 30 years of combined service to water system owners/operators throughout Western North Carolina. His nominator described him as someone his co-workers see as an "invaluable resource when it comes to the operation and maintenance of small groundwater systems." Known by his family and co-workers as a "perfectionist," he always wants the job done as perfectly as possible all while keeping a smile on his face and with a "can do" attitude and an occasional joke thrown in.

C Well

Anthony Holder American Water Corp.

This awardee works for a private national water corporation in the Mineral City (Spruce Pine) of NC. He has been an employee at this water system for over 21 years working as both a well and surface water operator. His nominator describes this individual as having the "highest level of initiative who has always mentored with his fellow operators." He also "takes great pride in serving the customers of the town he provides water to."



He has won several safety awards from his parent company and has been praised by his supervisor as someone he can always count on to get the job done right. He acts as the ORC of the well water division of the water system.

Lab Analyst of the Year

Andrew Foy City of Hickory

He comes from a county known as the "Gateway to the Blue Ridge," where he works for the largest city there. He has been serving in the drinking water industry for 9 years after a previous occupation as a sales representative in the automotive industry.



He is an active member of NCWOA and holds a Grade A-Surface water license and is Process Control Chemistry certified. During his tenure as Laboratory Analyst, his supervisor and nominator praised his work to modernize their plants record keeping, where he developed a digital database to store and maintain all historical water quality data. He developed new sampling routines and schedules that were more efficient and resulted in cost-savings to the city. During his tenure, he also started a customer outreach program to better educate their customers about the city's water quality standards, goals and service. He regularly participates in county school events to promote safe drinking water in his community.

Educator of the Year

Diane Williams

This year's awardee has had a long standing career with NC DENR (now DEQ) and the Public Water Supply Section and has recently retired from that agency as the Regional Supervisor of the Wilmington and Fayetteville offices. She has been a member of NCWOA for 32 years becoming a life member in 2009. She has taught at almost every NCWOA school in the last 20 years and has also served on the Education Committee and the Seminars Committee. Also during these years she has taught water operators frequently through programs presented by the NC-PWSS, NC-AWWA and NCRWA.



She has always been a teacher that the operators were interested in hearing speak and her power point presentations were always "spot on," by being clear and concise with good graphics and examples. She always took the time to answer questions and to help those students that struggled to get an understanding of the subject matter. Her performance ratings as an instructor were always excellent.

Certified 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.

Randy Hawkins Charlotte Water

The recipient of this year's NCWOA Outstanding Operator of the Year Award, graduated from Appalachian State University in 1986 - the same year he began his career as an operator for the City of Gastonia. He received his Grade II wastewater certification in 1987 and his A-Surface certification in 1988, which was the same year he was promoted to Senior Operator for the City of Gastonia.

In 1996, he was promoted to Plant Supervisor/ORC for Gastonia's Water Treatment Plant and was directly involved with the start-up of City of Gastonia's 100 MGD raw water pump station.

In 1998 he became Plant Supervisor/ORC for the City of Charlotte's Dukes Water Treatment Plant, a plant in which he had direct involvement with its start-up.

In 1999 he was promoted to Plant Supervisor for City of Charlotte's Franklin Water Treatment Plant.

When he retired from Charlotte Water in 2016, he was Operations Manager for Charlotte's 3 water plants,



pump station, tanks and booster stations. Along with his A-Surface certification, he also holds A-Distribution, Cross Connection and Physical Chemical certifications.

He retired from Charlotte Water in 2016, after 30 years in the utility industry in NC. Upon his retirement from Charlotte Water, he immediately became the Director of the Catawba River Project, a water treatment facility jointly owned by Union County NC and Lancaster County SC.

Along with being a Lifetime Member of NCWOA, his involvement with the Association includes: 3-terms as Section chair, 2-terms as Seminars Committee Chair, 1-term as Treasurer, Second Vice President, First Vice President, President, Past President, Rules Committee Chair, Finance Committee Chair, and instructor/trainer for NCWOA's Filter Surveillance Workshops.

He is a member of NCWOA, AWWA, NCAWWA, and NCRWA.

He and his wife April have two children, Quentin and Madison.



2016 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.

Michael Amos
Town of Mayodan

Jerry Byerly, Sr.
City of Statesville

Lenward Camp
City of Asheboro

Leslie Carreiro
City of Asheville

Roger Durham
Town of Tryon

Daniel Gatewood
Anson County

Kathy Gatlin-Current
Univar

Nicholas Hamrick
City of Shelby

Jane Harris
City of Creedmoor-
Retired

Johnny Hensley
Earth Environmental
Services-Retired

Christopher High
Two Rivers Utilities

William Holeman
Hickory Ridge MHP

Pat Irwin
Currituck County

Irene Jennrette
S/E

Wanda Ladd
Earth Environmental
Services

Ken Loflin
OWASA

Alana Loughlin
Hazen & Sawyer

William McKinney
McKinney Enterprises

Gina Miller
City of Mount Holly

Clinton Mishak
City of Salisbury

Ken Shelton
Town of Boone

Burt Slater
Slater Family Camping,
Inc.

Michael Smith
City of Concord

Joey Threewitts, Jr.
Wayne Water Districts

2016 Operator Spotlight Recap - January

Reid Hammett

Reid Hammett of the Broad River Water Authority (BRWA) has spent half of his lifetime working to see that the citizens of Rutherford County receives safe and reliable water service-24/7.



As the current Water Operations Leader for BRWA he speaks of his pride in his current utility crew and all the things they accomplish together. He and the management of BRWA are working to develop a better mapping and GIS of the system which will help greatly in the ongoing and long-term plans of upgrading the piping network.

Darrin Oliver

A sign of Darrin Oliver's character is that he took time out of his hunting trip to return a call and be interviewed for this spotlight article. He holds an AA degree from Western Piedmont Community College, a Contractor's Electrical License and certificates in welding and HVAC. This knowledge and experience prepared him for his current position as a Maintenance Mechanic at Lake James. Darrin began working with the North Carolina Parks Service in 2008, just prior to Lake James Park opening to the public. The public is

happy that he also enjoys the water coming from plumbing fixtures, as he is the only certified treatment water operator on-site serving as ORC for Lake James.



Darrin successfully passed the test for the subsurface (septic and drain field) certificate. He plans to enroll for the spray irrigation in March 2016. Spray irrigation is not used at Lake James but will allow Darrin to be a back-up for other parks.

Glen English

In 1985, Glen English joined the United States Army to serve his country. He found himself stationed in Germany for eight years where he learned all about fast cars. When his time in Germany was up, he and his wife, Brenda, moved to Fayetteville, NC so she could report to her next duty station, Fort Bragg.

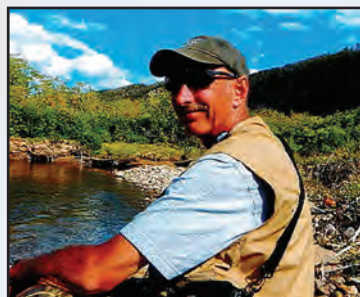


English very quickly landed a job with the Fayetteville Public Works Commission (PWC) doing sewer construction. He says he was the guy that was always digging up the road to make repairs. Eleven years ago, he kicked it up notch, transferring over to the water treatment side. He is still in his water treatment operator's job and handles the chemical inventory and logistics for the Hoffer and Glenville Lake water plants for the City of Fayetteville.

2016 Operator Spotlight Recap - April

Tom Boyd

Any water professional in the North Piedmont area of North Carolina knows Environmental Senior Specialist, Tom Boyd, very well. Boyd is with the NC Department of Environmental Quality – Public Water Supply Section. He says he is an operator; first, consultant, second; and a regulator, third.



Boyd has been with the NC Department of Environmental Quality – Public Water Supply Section since 2006. He was tapped for the job during his second tenure with the Town of Yadkinville where he served as the water plant ORC.

Boyd says without hesitation that being affiliated with NC-WOA has helped him professionally.

"It has been the biggest boost in professional training for me," he says. "NCWOA has been instrumental, if not essential

to my growth, as far as attending meetings, giving presentations, and supporting the operators."

Richard Hodge

Richard is the Water and Sewer Superintendent of the Town of Canton that serves some 4300 customers with a 4.0 mgd surface water treatment plant located on the beautiful Pigeon River where its source comes from the head waters of the Pisgah National Forest. He is the guy who is on the front lines for the town, meeting and greeting the customers, and the man who sees that water service is continuous 24/7. He also sees that the water system is properly maintained and operated with a crew of 10 employees.



He started working for the town in the mid 1990s and has steadily moved up in responsibility and service to his community through the past 21 years. Richard is certified as a Grade A-Distribution and C-Surface operator, Grade IV Collections, Grade I Wastewater, Backflow ORC, and a Level 3 Maintenance Technologist.

2016 Operator Spotlight Recap - July

Doug Bullock

Doug Bullock, Lead Operator for the City of Wilson, has been in the water industry for 43 years and all with the City of Wilson.

He has worked his way up the ranks to lead operator for the last 10 years, holding an A Surface Certification since 1987.



Bullock is a lifetime member of the North Carolina Waterworks Operators Association (NCWOA) and says the association has been so helpful in his career. He is a member of the association's Northeast Section.

"It keeps me up-to-date with anything new going on," says Bullock. "I learn from the other plants in my section and what they do chemical wise. I've also learned more about the entire state of NC and how the water industry differs from town to town."

Darrell King

Darrell King, Water Technician II for the City of Kinston, is a newcomer to the water industry of North Carolina. He has only been with the City of Kinston for four years, starting out as a Water Technician I. His plan is to move up through the ranks to supervisor or superintendent, an opportunity that is just around the corner.

King came from a family owned logging business. His current superintendent talked him into coming to work for the city.

King loves his job and is really looking forward to moving up in the industry. He says he loves learning new things every day and making a difference in people's lives.

"I like going home in the afternoon knowing that I have done a good job keeping everybody safe," he says.

2016 Operator Spotlight Recap - October

Christy Lipscomb

Christy Lipscomb, Director at Kerr Lake Regional, has served in this position since 2005 and says her plant averages 7 million gallons per day with approximately 57,000 total customers. Lipscomb oversees plant operations along with the lab, maintenance, building the budget for the plant, and is currently the operator in charge for the City of Henderson, the controlling partner.



When Lipscomb is not working her day job at Kerr Lake Regional, she holds down the fort as part time chief operator for Clarksville, Virginia. She followed her dad into the water business where he served as public works director for Clarksville.

She says the North Carolina Waterworks Operators Association (NCWOA) has been so effective in helping her staff get trained and affording them their crucial continuing education. "The more we know, the better off the system is," she says. She says every time she has called NCWOA there has never been a question it could not answer and the opportunity it provides at its schools gives you a hands-on opportunity to go look at new industry products so you can learn how it works, why it works.

Paul Valenti

Paul Valenti was born and raised in Lumberton, NC, and has served the City of Lumberton for 40 years. He started his municipal career as a mechanic, working on heavy equipment and police cars. He was geared for mechanical and electrical work and held several diplomas in this field. After 24 years he was asked to take the chief operator position, which he did after a lot of consideration, and has been the city's Chief Operator in Charge for 16 years.



During Valenti's tenure the cost of chemicals has dropped from \$250,000 per year to \$100,000. He says the plant has not hauled sludge in 6 years and meets compliance with no problems now.

Valenti has no retirement plans. He says that's why he is still working after 40 years. He encourages young people to take a serious look at the water industry and working with a municipality. "A lot of opportunity if you apply yourself," he says. "It's a good retirement and a good challenging career."



Nancy Florence

GRAHAM - Mrs. Nancy Johnson Florence, 85, of Graham died at the Hospice Home on Monday, March 21, 2016. A native of Alamance County, she was the wife of the late Ralph Florence.

She retired from the City of Graham. She was a member of Bethany Presbyterian Church where she was a member of the choir and the Women of the Church. Nancy had 12 grandchildren; 10 great-grandchildren.

Nancy Florence was a member of NCWOA for 40 years and was the first female President of the Association.



Paul Judge

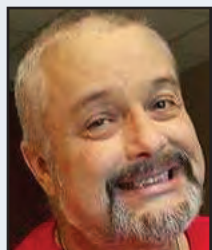
Paul Leonard Judge, 53, of Mooresville, passed away on Wednesday, March 9, 2016 doing what he loved—climbing tall mountains. He took his final steps on the southern Mexican volcano Iztaccihuatl, reaching his personal best altitude (15,000' AMSL). Paul lived life to the fullest and always had the next two adventures planned. He was inspiration and

support for all around him to climb each of our mountains head-on.

He graduated from San Diego State University with a degree in Geology and was a 21-year employee of the Public Water Supply Section of the North Carolina Department of Environmental Quality.

Paul was a kind-hearted, gentle soul with an adventurous spirit and a passion for the natural environment. He was deeply involved with several water-related organizations including Climb For Water, Water For People, and the American Water Works Association, and served on the Mooresville Environmental Protection Committee.

Paul was a member of NCWOA for 20 years serving as South Piedmont Section Chair and a valued instructor at the annual schools.



Tony Childers

Tony "Goodguy" Childers, born May 27, 1965, passed peacefully January 27, 2016 surrounded by family and friends. His kindness and generosity was an inspiration to others. Tony was from humble beginnings, growing up learning the value of hard work and perseverance.

An avid softball player and youth coach, Tony enjoyed watching others learn from him about the things he so loved. Beginning his passion early, by working on wells with

his father-in-law, the late Paul Pasour, he was a devoted asset to the City of Gastonia Water Treatment Plant for 15 years and involved in the water industry for 33 years. Tony loved making people happy and was extremely devoted to his wife and children. He loved music, movies, and books of all kinds. Tony was a native of Gaston County.

Tony was a member of NCWOA for 17 years.



Keith Starner

Major K. Keith Starner (Ret.) NC Army National Guard, 60, of Benson passed away Friday, June 3, 2016. Keith was born in Columbus, Ohio, the son of the late Rosa Elizabeth Smith and Bruce Donald Starner. He was a graduate of Angier High School and Campbell University.

Keith served 6 years in the US Navy as a nuclear missile technician and he served 18 years in the NC Army National Guard as an infantry officer. He worked as a geologist for the NC Rural Water Association.

Junius Edwin Tanner

SALEMBURG — Mr. Junius Edwin Tanner, 61, of 203 S. Main St., Salemburg, passed away Monday, Jan. 25, 2016.

A memorial service will be held at 2 p.m. Wednesday, Jan. 27, at his home with the Rev. Bobby Tew and the Rev. Andy Wood officiating. The family will receive friends following the service.

Mr. Tanner was born on Jan. 22, 1955 in Sampson County to the late Ralph Tanner, Sr. and Agnes Warren Tanner. He worked as the Public Works Director with the Town of Salemburg.

He is survived by his wife, Gail Faircloth Tanner of the home; one daughter, Heather Bullard and husband Brandon of Roseboro; one son, Dale Tanner and wife Wanda of Clinton; and five grandchildren, Josh Tanner, Alyssa Tanner, Georgia Grace Tanner, Dylan Bullard, and Brice Bullard.

Junius was a member of NCWOA since 2007.

James Ballance, Jr.

James Edward Ballance, Jr., 62, of 683 Maxton Bass Road, Newton Grove, died Saturday, April 9, at Wake Medical Center.

James was a member of NCWOA since 1998.

Thomas Famer

Thomas "Tommy" William Farmer, 65, passed into his heavenly home June 30, 2016 surrounded by loved ones. Tommy was born on October 19, 1950 to the late, Carl and Virginia Farmer in Wilmington, NC. Growing up on Wrightsville Beach, he developed many lifelong friends and a love of the water. Tommy spent much time boating, water skiing and exploring its depths while scuba diving. As much as he loved the beach, he felt at home with his family in the country,

especially when he was riding atop his uncles' tractors. Tommy graduated from John T. Hoggard High School in 1969 and was honorably discharged from the Naval Reserves in 1970. Tommy worked for New Hanover County Engineering and later, Cape Fear Public Utility Authority.



Ronnie West

Ronald "Ronnie" Stokes West, age 70, passed away in his Hope Mills home on Sunday, October 30, 2016.

He is survived by his loving wife of 50 years, Flora Mae Ennis; son, Eddie, and wife, Becky, of Hope Mills; son, Steve, and wife, Kathy, of Medford, NJ; daughter, Angel, of Hope Mills; sister, Marsha, and husband, Jerry Chappell, of Pungo, VA; grandchildren, Dennis Shamblin, and wife Joy, of Little Creek Naval Base, VA; granddaughter Amanda and husband Brian Myers, of Lynchburg, VA; granddaughters, Jessica Shamblin and Jil-

lian West, grandson, Carson West, and great-grandchildren, Orion and Trulie Grace Myers.

Ronnie had an extensive career in Backflow Prevention, including 36 years at PWC, and 13 additional years in education and certification. Mr. West was a well-respected man in his field and held multiple positions on local, state, and national boards and organizations. He served with the Hope Mills Fire Department for 17 years, and was President and Fire Chief in the 1980's.

Ronnie was a devoted family man who took great pride in his children, grandchildren, and great-grandchildren. He never missed a game, performance, or graduation. He was an active member of Massey Hill Baptist Church, where he served as a deacon and Sunday School teacher.

2015 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
- City of Asheboro - W.L.Brown Water Treatment Plant
- City of Belmont Water Treatment Plant
- Town of Boone Water Treatment Plant
- Broad River Water Authority Water Treatment Plant
- Brunswick County Water System - Northwest 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 - Hill Grove Water Treatment Plant
- Davidson Water Inc. - Gregg W. Stabler Water Treatment Plant
- City of Eden - Robert A. Harris Water Treatment Plant
- Fayetteville Public Works Comm. - Glenville Water Treatment Plant
- Greenville Utilities Comm. - Charles Horn Water Treatment Plant
- City of Hamlet Water Treatment Plant
- Harnett County Dept. of Public Utilities - Harnett County Water Treatment Plant
- Henderson-Kerr Lake Regional Water Authority
- City of Hendersonville Water Treatment Plant
- City of Hickory Water Treatment Plant
- Johnston County Water Treatment Plant (East)
- Johnston County Water Treatment Plant (West)
- City of Lenoir Water Treatment Plant
- Lincoln County Water Treatment Plant
- City of Lincolnton Water Treatment Plant
- Town of Louisburg 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
- Town of Mooresville - 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
- Orange-Alamance Water Treatment Plant
- Piedmont Triad Regional Water Authority - John F. Kime 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 - Tallulah Water Treatment Plant
- Salisbury-Rowan Water Treatment Plant
- City of Sanford Water Treatment Plant
- City of Statesville Water Treatment Plant
- City of Thomasville Water Treatment Plant
- Two Rivers Utilities
- City of Waynesville-Allens Creek Water Treatment Plant
- Town of Weaverville - Ivy River Water Treatment Plant
- Town of Wilkesboro Water Filtration Plant
- City of Winston-Salem - R.A. Thomas Water Treatment Plant

2016 Spring School





A-Surface



B-Surface



C-Surface



A-Well



B-Well



C-Well

2016 Fall School

Heather Cagle, Administrator
N.C. Waterworks Operators Association
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Emerald Isle, NC 28594

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NCWOA 2016 - By The Numbers

77 years

3,043 Total Members

NE Section = 600, SE Section = 749, SP Section = 423, NP Section = 607, Western Section = 589

5202 + hours of credit issued for 16 seminars

245 Students at the Spring School in Morganton

B-Well = 16, C Well = 45, A-Surface = 30, B-Surface = 39, C-Surface = 52, Advanced Day = 63

305 Students at the Annual School in Raleigh

A-Well = 24, B-Well = 29, C Well = 37, A-Surface = 39, B-Surface = 35, C-Surface = 61,
Advanced Day = 80

15 Corporate Sponsors and 1 Advertiser

Thank you for another great year!