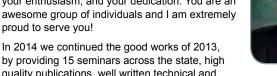


### From the President...

Once again, let me thank all of the NCWOA volunteers and staff. I appreciate all that you do, your enthusiasm, and your dedication. You are an awesome group of individuals and I am extremely proud to serve you!



by providing 15 seminars across the state, high quality publications, well written technical and

human interest articles, and two great week-long operators schools in Morganton and Raleigh.

As you are all probably aware, 2014 was the 75th anniversary of the North Carolina Waterworks Operators Association. Aside from a year of anniversary celebrations and history, NCWOA stayed true to its mission of providing knowledge, skills & educational opportunities for drinking water professionals; developing working relationships with other water treatment organizations, projecting a positive image, and communicating the importance of safe drinking water.

As many of you know, Ray McCall retired as NCWOA's Administrative Support Agent, only to immediately go back to being a top-notch (unpaid) volunteer. Heather Cagle came aboard to fill the vacancy left by Ray's retirement. Heather has proven to be a wonderful asset to the Association

Cindy Gall continues to do an outstanding job keeping our ship on its day-to-day course. Her planning, organizational, financial, and accounting skills continue to be invaluable to NCWOA.

Although this publication is the Year in Review. I would like to redirect - in order to mention some things for the coming year.

As you have heard me mention many times, our Association needs new members, not just members, but active members. Members who want to volunteer their time/talents to educate and mentor the new folks in our industry. If you look around, our peers are/have been retiring at an alarming rate. This continues to create voids throughout our Association and our industry. We owe a tremendous debt to those who took time out of their busy schedules to train/develop/mentor us. The only way we can repay that debt is through our own active service. Putting on around 20 section meetings, 15 seminars, and 2 operator schools each year takes a ton of volunteers. We are in need of new folks!

A couple of ways you can get involved are:

By teaching. For several years now we have had an Instructor Mentoring Program. In the past, many of our members commented that they would like to teach, but did not really know how to begin the process. Through our Instructor Mentoring Program you can start by getting to know the instructor of the class you are interested in teaching. You can sit in on that class and when you're ready, you may begin your teaching experience by team-teaching along with your mentor. If after team-teaching you feel like everything is a good fit, you can take over a class. It's a great way to get started!

Another way to be active is by getting the word out about NCWOA. If you don't have the time required to be actively involved in seminars, section meetings, or schools, you can help by getting the word out about NCWOA. I encourage you - to encourage your vendors - to support us by way of a sponsorship with NCWOA. With three levels of sponsorships available, there's one perfect for every budget. Sponsorships not only provide great exposure for vendors, but in turn, continue to allow us to offer low-cost training across North Carolina.

If you would like to become more involved, please give Cindy Gall, Heather Cagle, or me a call. We'd love to have you!

Thank you all for a great 2014, and for your membership and dedication.

I wish all of you much success in 2015.

Chris Smith Fayetteville Public Works NCWOA President

### From the Editor...

Thank you, thank you, thank you to all the volunteers, committee members, executive committee members, corporate sponsors, and staff for a job well done. Through your dedication, financial support, and volunteering of your time and talents to our association you helped make NCWOA the best training association for the many water operators across North Carolina. A special thank you to Bessy



Farmer, Pam Gibbons, Kenneth Loflin, and Julius Patrick for the extra effort this year. Since this was our 75th year, there was additional work to be done and everyone's help was greatly appreciated.

Celebrating 75 years made this year a lot of fun and a lot of work for Ray McCall. I certainly enjoyed the history articles that Ray researched and wrote throughout the year. There was a history article in each Go With The Flow and a final history article in this Year in Review. Thanks Ray, you did a great job! If anyone missed these articles or wants to read any again, visit the NCWOA website or call Ray, he loves to talk about NCWOA history. Also, thanks to all of you that talked with Ray and gave personal insight from the last 75 years or sent pictures, you all truly made this a very interesting and informative year.

We hope you enjoy this Year in Review, our way of recapping an amazing year of annual awards, operator spot lights, and committee reports. Thanks to all the operators who gave us a little insight into your life for our Operator Spot Lights featured in each Go With The Flow, look for more interviews next year. And as always, a big thank you to the five section chairs that keep the sections informed and involved throughout the year.

Looking forward, let's make 2015 our best year ever. If you are a member get more involved, if you know someone who isn't a member of NCWOA bring them to a meeting and let's get them signed up. We would love to have them.

Kathy Gatlin

Univar

NCWOA Year In Review Editor

### **Executive Committee**



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Past President
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Chair – Board of Examiners
Carlton Smith
PWS – FRO
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Chair - Public Image
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Chair – Nomination Committee
Leslie Carreiro
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Chair – Western Section Sam Molinas Broad River Water Authority (828) 286-0731 smolinas@ncbrwa.com



Chair – North Piedmont Section Steve Pope Piedmont Triad Regional Water Authority (336) 382-2373 spope@ptrwa.org



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NCWOA Administrative Support Agent Heather Cagle NCWOA (336) 803-6525 heather@ncwoa.com

## 75<sup>th</sup> Annual Business Meeting

# September 24, 2014, 6:00 PM Raleigh, NC

President Chris Smith called the meeting to order and welcomed everyone to the 75th Annual Business Meeting.

The meeting was opened with prayer.

President Smith introduce Kathy Gatlin to introduce the entertainment for the night.

President Smith called upon Michelle Clements to read the minutes from the 2013 Annual Business Meeting. A motion by Roy Lowder to approve the minutes as read was made and seconded by Jay Van Hoose. Motion Passed.

President Smith called upon Ken Loflin to read the Treasure's Report for the last fiscal year (July 1 2013-June 30, 2014).

### **Financial Report**

Beginning Balance	\$ 737,708.00
Revenue	\$ 266,420.00
Expenses	\$ 260,336.00
Interest Income	\$ 10,381.00
Total Net Assets as	\$ 743,593.00
of June 30, 2013	

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

Randy Hawkins reported that the Finance Committee had met and went over the Auditor's Report and all was in order and there were no recommended changes. Randy Hawkins thanked, NCWOA Administrator, Cindy Gall for all of her hard work.

## President Smith called upon each Section for their Annual Reports.

Western Section: Report by Sam Molinas on

North Piedmont Section: Report by Steve Pope

South Piedmont Section: Report by Paul Judge on File

Southeast Section: Report by James Merritt on

Northeast Section: Report by Mike Bell on File

President Smith called upon each Committee for their Annual Report.

Annual Schools: Sandra Bradshaw reported

on progress of Moodle for operators use. Beta tests were held at the Morganton and Raleigh schools. A notable increase in the passing rate for those who used the Moodle site at the Morganton School was observed.

Seminars Committee: Pam Moss reported that the Association credited operators with 4446 hours. There were 15 seminars presented in 2013-2014. The financial report for the Committee is as follows:

Gross Revenue \$29,443.00 Expenses \$12,092.00 Profit \$17,351.00

Lab Analyst Committee: Chris Johnson reported that Lab Tech day was held on May 6th, 2014 in Raleigh. There were 107 drinking water attendees and 131 wastewater attendees. There were also 53 Exhibitors with 32 Booths. This year the Lab Analyst Committee held the 4rd Annual "Remote Lab Tech Day" was conducted on August 27th in Winston Salem, NC. There were a total of 42 attendees, which was a sell-out. Two Process Control Chemistry classes and two Bacteriology classes were held this year.

**Board of Examiners:** Carlton Smith reported that 397 people took the exams and 190 passed the exams which is a 48% passing rate overall.

**Public Relations:** Kathy Gatlin reported on the past years activities in preparation of the 75th Anniversary Celebration.

President Smith observed a moment of silence to remember those Members who has passed since the last meeting. Benjamin F. Shaw, Dusty Martin, Warren Burris, Billy Burgess, Numa Womble, Kevin Reidinger, John Miller, Glenn Cushing, and Frank Morris.

President Smith recognized the Corporate Sponsors (Tri-Lite, CMT, Univar, Advanced Ent Sys, Jack Moore & Assoc, Charles Underwood, Kemp, Pearson Pumps, The Perkinson Co, Clearwater, McGill, HDR, Brenntag) and also recognized any Exhibitors that were present.

# President asked Kathy Gatlin to come forward to recognize 22 new Life Members with 25 Years of consecutive membership.

They were as follows: Ray N. Anderson, II, William R. Bateman, Ronald B. Herman, Daniel F. Huffman, Betty H. Jones, Sam A. Molinas, Joy E. Munday, Donny L. Osborne, Nathan A. Cartwright, Jesse L. Chadwick, Hugh D. James, Lanny B. Ollis, Darrell A. Hicks, Phillip D. Perkins, Brian D. Tickle, Ira R. Watkins.

President Smith recognized the Special Award of Merit and the 2014 recipients were Kathy Current with Univar and Ray McCall.

President Smith that 38 surface water

systems have met or exceeded the turbidity performance goals for settled and filtered water in Calendar Year 2013 and have received AWOP Awards from Public Water Supply.

Carlton Smith came forward to present the Certified Operator of Year Awards. The recipients were:

A-Surface - Dail Booth – Greenville Utilities Commission

B-Surface – Daniel Davis – Town of Beech Mountain

C-Surface - Donald Utley - City of Concord

A-Well - Anthony Futrell - City of Jacksonville

C-Well - Joey Dockery

Lab Analyst Award -Tracey Tant – Harnett County

Educator of the Year Award – Lee Kiser – Western Piedmont Community College.

Chris presented the Outstanding Operator of the Year - Leslie Carreiro – City of Asheville.

Motion to adjourn was made by Roy Lowder and the second was made by Buddy Edmisten –Motion Passed.

Respectfully Submitted By: Michelle Clements

# 2014 Committee Reports

### **Public Relations**

This 75th year was a very busy year.

At the annual meeting we had 4 very special speakers, Buddy Edmisten, Kasey Monroe, Joe Stowe, Jr. and Marty Wilson.

Ray McCall did history articles for each Go With The Flow and the Year in Review. Ray also put together a wonderful power point presentation with pictures old and new of people and water plants.

Three operators were featured in each Go With The Flow.

We welcomed 13 corporate sponsors.

We recognized several people with, Operator of the Year honors, Educator of the Year and Lab Analyst of the Year.

# Certified Operators of the Year

### **A Surface**

## Dail Booth Greenville Utilities Commission

After earning degree in Biology from East Carolina University and working for the NC Division of Marine Fisheries, Dail began his water career in 2007 as an operator with GUC and quickly promoted due to his drive and determination.



He has taken a proactive stance to overall plant operations and has worked hard to improve proficiency with several projects including a study on filter backwash volume, customizing operator workflows within the plant and new operator training. He takes true pride in his work and focuses daily on the water industry's ultimate goal of protecting public health by providing safe and reliable drinking water.

### **B** Surface

## Daniel Davis Town of Beech Mountain

During his time as ORC for Town of Beech Mountain, Mr. Davis has been fully involved with the upgrading and improving his water treatment operation by participating in choosing the best treatment technology for the planned



technology for the planned plant upgrade. This has included researching and becoming familiar with many different treatment techniques. A proven leader to his employer and community, Mr. Davis has 13 years' experience in the water treatment industry.

### C Surface

## Donald Utley City of Concord (retired)

Before retiring from the City of Concord this year, Mr. Utley has very active in not only NCWOA meetings and training opportunities, but also in-house training within his workplace for other employees. Well respected by his co-workers, his devotion of helping the other operators was well known. We at NCWOA wish Donald much happiness in a well deserved retirement.

### A Well

## Anthony Futrell City of Jacksonville

Mr. Futrell, Water Plant Operator II for the City of Jacksonville, has 4 years of service to the water industry; however, he has accomplished much in that time. Very active in not only meeting his own personal training



goals, Anthony also mentors other operators in their studies before working towards their own certifications. He has taken the task of writing a guide for the other operators of the complicated operation of the city's nano-fioltration plant. Mr. Futrell, with all his other duties, shows extream drive as he is currently enrolled in college working towards his degree in Environmental Sciences with hopes to progress in this industry.

### C Well

### Joseph "Joey" Dockery

With over 20 years working with smaller systems in our State, Mr. Dockery is currently the ORC of several small community water systems where he takes his role as a "one-man show" seriously. While not having a staff to



fall back on might keep others from being active in training opportunities, Joey is always quick to lend a hand when asked to assist with local or other training for other small system operators. He also has shown a great ability to know what potential situations may be coming, seeks out resources (be it knowledge or manpower) from whatever area he can and uses him time wisely, keeping big problems at bay. This applies not only to the water system itself, but in areas of funding and measures to insure funds are available for future problems. Mr. Dockery is also enrolled in college working towards a degree in Divinity.

### Lab Analyst of the Year

## Tracy G. Tant Harnett County Public Utilities

Ms. Tant, laboratory analyst for Harnett County Public Utilities, has been instrumental in assisting bring a higher standard of operation to the lab for her system through process changes within the lab, while also reducing



operational cost for the lab. During her 14 years in the industry, she has not limited herself with just lab operation, but has also worked diligently upgrading the system's sample site plan to insure a better overall picture of the quality of water offered to her customers. She also has been helpful in training for other plants using or considering chlorine dioxide as a treatment. Tracy also has a C-surface certification as well as physical & chemical I and coliform certification.

### **Educator of the Year**

### William Lee Kiser Western Piedmont Community College

A fixture at Western
Piedmont Community
College for 21 years, Mr.
Kiser has served as Dean
of Science, Engineering
and Mathematics for over
of those years. He has
been heavily involved
through the years as an



instructor, administrator, planner and host for the NCWOA Spring School. He is a licensed well, surface and wastewater plant operator as well as a member of NC Community College Adult Educators, NC association of Instructional Administrators, NC WOA and NC AWWA-WEA. An avid protector of the environment, Mr. Kiser has been a lead in implementation of through various water conservation on the campus of WPCC, including 2 bio-retention projects and 1 rainwater recovery cistern and a stream culvert project.

### President's Award of Merit

Chris Smith presented the 2014 President's Award of Merit to Kathy Current and Ray McCall.



While Kathy Current (formerly Kathy Gatlin) is a relative new volunteer to NCWOA, Ray McCall is a seasoned veteran. In 2014, they combined their talents to make the year of NCWOA's 75th anniversary a very memorable one. They both worked tirelessly throughout 2014, gathering old photos and setting up interviews for Go with The Flow, speaking at Section Meetings, as well as promoting NCWOA to vendors and prospective members. On top of all of these things, they planned an outstanding Annual Business Meeting and Operator Appreciation Dinner, which will be talked about for years to come.

Kathy and Ray epitomize what it's like to be a great volunteer. Their energy, drive, creativity, and enthusiasm serve as an example for us all.

### 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.

### **Leslie Carreiro** City of Asheville

Accomplishments

- · Nominations by persons across the entire state
- · Been in Water Treatment for 20 plus years
- · One of the most dedicated professional operators and managers ever worked with
- · An Unsung hero for the water industry
- · Efficient, timely, oversees that customers received the very best water quality and service available
- Responds to customer inquiries immediately and works diligently until issues are resolved
- Developed monitoring and sampling schedules to meet EPA regulations including lead/copper, crypto/giardia, TOC, Bacti site planning, UCMR monitoring for their City
- · Has no violations of monitoring, or

reporting during their tenure

- Instrumental in overseeing plant re-hab projects
- · Very Active with NCWOA, serving on nearly every committee, and heading many of committees, including being a Section Chair, Finance Chair, being on the School Committee, lab analyst committee, awards committee, being one of the most popular speakers at our seminars, 2nd vice president, 1st vice president, President, Past President
- Began working in the Water Treatment Industry as a Lab Technician
- · Progressed to a lab Supervisor
- Promoted to WTP Operator Supervisor
- · Currently a Superintendent of Water Production
- Started the NCWOA/NCRWA, NC AWWA-WEA Joint Committee
- Instrumental in the Start Up of WaterMatters.org that educates the public on the importance of safe drinking water
- Instrumental in re-organization of NCWOA through being a leader in Strategic
- Serves on the Certification Board for Water Treatment Operators
- Responsible for 3 water plants, 41 employees and 123,000 customers
- · Avid athlete that runs and bikes religiously

### Past Recipients of the **Outstanding Operator** of the Year Award

1959 - E. E. Lehman, Roanoke Rapids

1960 - Leon Paul, Rockingham

1961 - Hoyle Taylor, Lincolnton

1962 - Jimmy Bayles, Goldsboro

1963 - W. J. Bowles, N. Wilkesboro

1964 - R. W. Hatley, Charlotte

1965 - William C. Deadmon, Landis

1966 - Robert W. Rorex, Thomasville

1967 - Earle Midgette, Tarboro 1968 - J. R. Champion, Forest City

1969 - Benjamin L. Page, Wilson

1970 - Marshall F. Palmer, Apex

1971 - L.A. Tony Gragg, Lenoir

1972 - D. A. Whitner, Waynesville

1973 - David H. Hess, Salisbury

1974 - Walter T. Sink, Winston-Salem

1975 - William L. Brown,, Asheboro

1976 - Herschal R. Jordan, Gastonia

1977 - Henry L. Forrest,, Charlotte 1978 - Tony G. Surratt, Wilmington

1979 - Harold Falls, Concord

1980 - Frank Ward, High Point

1981 - Isaiah D. Bartlett, Durham

1982 - W. Dallas Monroe, Southern Pines

1983 - Brady W. Mullinax, Kernersville

1984 - Don Duncan, Albemarle

1985 - James L. Moorefield, Greensboro

1986 - Tom Flowers, Fayetteville

1987 - Philip S. Coggins, Thomasville

1988 - Wayne Price, Rutherfordton

1989 - Macon C. Reavis, Roanoke Rapids

1990 - Mack Edminston, Lenoir

1991 - Jerry Cutler, Washington

1992 - Tom Bailey, Durham

1993 - Nancy Florence, Graham 1994 - Lewis Yow, Sanford

1995 - James David Whitaker, Shelby

1996 - Keith Buff, Hickory

1997 - Mike Hicks, Kerr Lake Regional Water

1998 - James Robert Melton, Shelby

1999 - Myron Neville, Robeson County

2000 - Douglas Terry, OWASA

2001 - Mike Richardson, Wilmington

2002 - Terry Gross, Concord

2003 - Barry Parks, Wilson

2004 - Gary Averitte, Harnett County

2005 - Floyd Rusher, Salisbury

2006 - Ricky Langley, Greenville Utilities

2007 - Martin Wilson, City of Newton

2008 - M. Shuford Wise, Town of Granite Falls

2009 - Terry Green, Town of Siler City

2010 - R. Wendell Pickett, High Point

2011 - Kenneth Loflin, OWASA

2012 - David Cook, Town of Valdese

2013 - J. Mark Townsend, Lenoir

2014 - Leslie Carreiro, Asheville



### 2014 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 elected by at two-thirds majority.

Ray N Anderson, II BRWA - Retired William R Bateman Town of Andrews

Ronald B Herman Town of Granite Falls

Daniel F Huffman Hickory Well Drilling Betty H Jones Town of Tryon

Samuel A Molinas

**BRWA** 

Joy E Munday Town of Granite Falls

Donny L Osborne Harnett County Nathan A Cartwright Dare County

Jesse L Chadwick Greenville Utilities Commission

Hugh D James Town of Wadesboro

Lanny B Ollis Cleveland County Water Darrell A Hicks City of Greensboro

Phillip D Perkins Town of Siler City

Brian D Tickle City of Mount Airy

Ira R Watkins
Town of Louisburg



Life Members in attendance at the 2014 Annual School in Raleigh. Pictured to the left.

### Past Presidents of NCWOA

1939-40 - L.I. Lassiter 1940-41 - L.I. Lassiter 1941-42 - W. O. Spence 1942-43 - W. O. Spence 1943-44 - A.O. TRUE 1944-45 - W.W. Adkins 1945-46 - E.R. Tull 1946-47 - H.D. Fesperman 1947-48 - Joe C. Stowe 1948-49 - Max D. Saunders 1949-50 - R.S. Phillips 1950-51 - S.E. Harris 1951-52 - J.W. Setzer 1952-53 - Wade G. Brown 1953-54 - T.E. Witty 1954-55 - J.R. Malone 1955-56 - John N. Leslie, Jr. 1956-57 - Raymond E. Elbert

1957-58 - W.A. Gardner

1958-59 - Morris Tarlton 1959-60 - James Freeman 1960-61 - Frank Ward 1961-62 - Bruce Martin 1962-63 - J.F. Thompson, Jr. 1963-64 - Harold Falls 1964-65 - Virgil Truitt 1965-66 - Walter Sink 1966-67 - Thomas K. Bruce 1967-68 - W.L. Brown, Jr. 1968-69 - Earle Midgette 1969-70 - Lee S. Dukes 1970-71 - M.M. Harris 1971-72 - Don Duncan 1972-73 - Isaiah Bartlett 1973-74 - W.S. Earley 1974-75 - Henry L. Forrest, Jr. 1975-76 - Hershel Jordan 1976-77 - John R. Thorne

1977-78 - Joe C. Stowe, Jr. 1978-79 - Tony Gragg 1979-80 - Tony Gragg 1980-81 - Jim Moorefield, Jr. 1981-82 - Tom Flowers 1982-83 - Slayton Richie 1983-84 - Dean Yancey 1984-85 - Anthony Surratt 1985-86 - Nancy Florence 1986-87 - Kelly Patton 1987-88 - Shufford Wise 1988-89 - Shufford Wise 1989-90 - Linda Locklear 1990-91 - Linda Locklear 1991-92 - Mack Edminston 1992-93 - Mack Edminston 1993-94 - Mike Richardson 1994-95 - Mike Richardson 1995-96 - Terry Green

1996-97 - Terry Green 1997-98 - Keith Buff 1998-99 - Keith Buff 1999-00 - Marty Wilson 2000-01 - Marty Wilson 2001-02 - Jay Van Hoose 2002-03 - Jay Van Hoose 2003-04 - Terry Gross 2004-05 - Terry Gross 2005-06 - Victor Quick 2006-07 - Victor Quick 2007-08 - Ricky Langley 2008-09 - Ricky Langley 2009-10 - Leslie Carreiro 2010-11 - Leslie Carreiro 2011-12 - Randy Hawkins 2012-13 - Randy Hawkins 2013-14 - Chris Smith



Past Presidents in attendance at the 2014 Annual School in Raleigh. Pictured to the left.

### 2013 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.

- Burnsville
- Asheville (North Fork and Debruhl water treatment plants)
- Woodfin Sanitary District-Sugar Camp Fork
- Weaverville-Ivy River
- Lenoir
- Hickory
- Newton
- Andrews
- Two Rivers Utilities
- Mount Holly

- Cherryville
- Robbinsville (Tallulah and Rock Creek water treatment plants)
- Waynesville-Allens Creek
- Maggie Valley Sanitary District
- Hendersonville
- Mooresville-Plant 2
- Lincolnton
- Lincoln County
- Marion

- Charlotte (Franklin and Lee S. Duke water treatment plants)
- Salisbury-Rowan
- Broad River Water Authority
- Boone
- Wilkesboro
- Louisburg
- Asheboro-W.L. Brown
- Eden-Robert A. Harris
- Henderson-Kerr Lake Regional Water
- Harnett County

- Orange Water & Sewer Authority
- Raleigh (E.M. Johnson and D.M. Benton water treatment plants)
- Tarboro
- Cary
- Cape Fear Public Utility Authority-Wilmington

# NCWOA

Our History Moves

By Ray McCall

As we begin to close out our NCWOA 75th year and pack up the old yearbooks and pictures, let us stop to reflect on where we have come from and look to the day when we will celebrate our 100th year in 2039.

We cannot close this long chapter of our history without thanking the original 34 chartered members for their vision and hope for NCWOA's success. We cannot forget about the 59 presidents that have faithfully stepped in to lead us on. We certainly cannot forget the many, many volunteers that served on committees, boards, those that were section chairs, and all the many people who taught us in classes, seminars and at workshops. We should also not forget the dedication of our paid NCWOA administrators that worked faithfully to see that the Association ran effectively on a daily basis.

We have been, "encouraged and elevated" to be professionals as certified water treatment operators. As of this writing, there are 5,400 active licensed operators in our state with another 2,500 that are certified but no longer actively practicing. It is safe to say that NCWOA had a hand in training most of those licensed operators since 1939.

Let's also not forget about the steadfast relationship this Association has fostered with the NC AWWA/WEA, NCRWA, NC Department of Environment and Natural Resources, NC State University-McKimmon Center, Western Piedmont Community College, and all the towns and cities throughout North Carolina. It is because of those relationships and partnerships that our North Carolina Operator Certification Program is one of the top programs in the United States.

As we continue to pack away our history, we must also stop to thank all the many sponsors and vendors over the years. The interaction and support from them has helped to bridge operators with the working water industry. It's not just about their financial support, but more about their leadership to provide us with the best chemicals to treat our water, the best equipment and tools to keep us up and running during normal and emergency times. They have always brought to us the newest technology and have taught us how to use that technology to treat and

produce the safest drinking water possible.

Looking to the future, which is also a reflection of our past, allows us to move on with new goals. At the 75th NCWOA school when the board met, they discussed new endeavors for the Association that would springboard it into the next 25 years. Some of those goals include:

- To continue to grow NCWOA's membership by continuing to recruit new members. Currently, we are standing at 3,050 members or so. Let's work towards having 6,000 members by the year 2039.
- As our current leaders and volunteers age out and retire, we should work now to mentor our junior members to lead in the future, to serve on boards and committees and to become instructors at our schools.
- We should continue to foster relationships with other water organizations and government agencies. As operators, we should become involved in not only our association but in the local, regional, and state water related functions.
- And last but not least, we should continue to strive to produce safe and affordable drinking water 24/7 by continuing to learn and apply the best practices and tools to get the job done right.

As you look upon the many pictures included with these comments, look at the people of the past, reflect upon your accomplishments through them. Think that those people collectively created obtainable goals and directed us to where we are today. "Training Tomorrow's Professionals Today" should not just be our motto, but also our continued number one focus for our future years. We have had safe drinking water in North Carolina for well over 75 years because you have dedicated yourself to be the best, just as NCWOA has committed to provide you the best training

It's certainly been a good year looking at our past. You can write the future of our water industry with NCWOA helping to lead your way.



LEFT: 1931 Asheboro WTP / CENTER: Raleigh EB Bain WTP / Right: Bee Tree Intake Structure

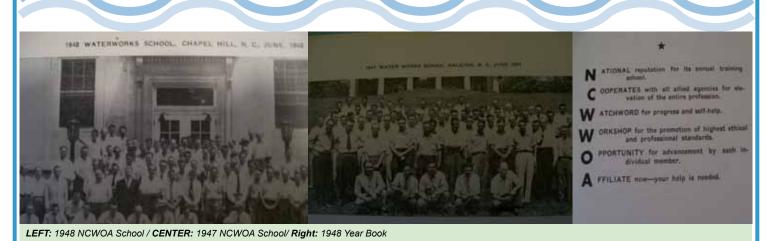








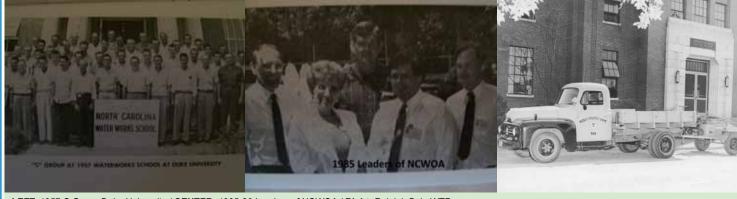
LEFT: 1922 Greenville Utilities WTP / CENTER: 1930 Charlotte Vest WTP / Right: Original Walnut Creek WTP







LEFT: 1957 Roster of Members / CENTER: 1955 Advanced Group Chapel Hill School/ Right: 1958 Billy Beaver First Operator of the Year



LEFT: 1957 C Group Duke University / CENTER: 1985-86 Leaders of NCWOA / Right: Raleigh Bain WTP



LEFT: Unknown / CENTER: 1955 North Fork WTP / Right: Raleigh Falls Lake 1985 drought

### 2014 Operator Spotlight Recap - February

### **David Rust**

In 1955, Rust was tasked with the job of overseeing the new construction of the 2.0 MGD WTP on Lake Rhodiss in the town of Valdese. He had just finished work with a highway contractor building bridges along Interstate 40 in Caldwell, Burke, and McDowell counties. While the construction of the plant was underway, Rust trained at the Hickory WTP in water treatment techniques. He and Mavis bought a storage shed beside the water plant in Valdese



that had been converted into a small house and she announced that they were due their first child. Once the plant was complete, Rust was offered the job to be in charge of the water plant. He and Mavis became a tag-team in running the Valdese WTP.

In 1955, he joined the North Carolina Waterworks Operators Association (NCWOA). He achieved life membership status in 1980 and currently is the oldest life member with 59 years of membership to the Association under his belt. Rust is 83 years of age and has been a member of NCWOA for over half his life.

He retired from the water industry in 1992 and the Town of Valdese has honored him by making that retirement day, 'David Rust Day.' He spends most of his free time fishing.

### **Nancy Florence**

In 1976, Nancy Florence was forced to embark on a very different life path with the death of her husband. She was 45, no job, no money, four children to care for, and college educations to pay for. She had a friend that worked for the City of Graham who knew there was a job opening for lab supervisor at the new water plant and that Florence really needed the job. Florence said it scared her to death because she had never been in a water plant before.



When Florence began her water industry career, she also joined the North Carolina Waterworks Operators Association (NCWOA). She remembers that in 1975 new regulations went into effect that anyone working in a water plant had to be certified. She says NCWOA began to really grow because of these changes. Nine years after joining the Association, she became its first woman president (1985-1986).

During her career, she also served on the state certification board. In February 1996, she retired from her 20-year water industry career. Florence is the oldest female life member of NCWOA and still tries to attend events when she can.





LEFT: 2008 J.D. Monroe and Carlton Smith Clowning Around at Annual School / CENTER: 2008 AWOP Recipients/ Right: 2008 Myron and JD



LEFT: 2008 JD Monroe teaching / CENTER: 2009 Mike Bell Special Merit Award/ Right: Terry Green and family

### **Brenda Hicks**

In 1986, an operator's trainee position opened up at the Boone Water Treatment Plant. Brenda Hicks decided that she would apply and just see what happened. That was a blessing for Hicks.



but not in the way one might expect. Obviously it allowed her to let the other three jobs go, but she had no idea that she had just launched a water industry career for herself that has now spanned 28 years. When she retires February 2015, unless some bubble bursts, she says, she will have served the Town of Boone for 29 years.

Hicks worked her way up from operator trainee to the laboratory supervisor position by 2004. She holds A Surface and C Well Certifications for water treatment. In 2004, she became the WTP Superintendent after the retirement of Larry Isenhour. She describes Isenhour as being her greatest mentor, friend, and co-worker.

Hicks became a member of the North Carolina Waterworks Operators Association (NCWOA) in 1987 and achieved Life Member status in 2012. Hicks commends the NCWOA for its dedication to educating operators across the state. She previously chaired the annual schools committee (2000-2002), was elected Western Section Secretary/Treasurer (2006-2008), and was awarded the NCWOA B Surface Operator of the Year (1989). To this day she remains active with the western section and attends every meeting. She is also an active member at the Antioch Baptist Church and is an avid flower gardener.

#### Julius Patrick

Julius Patrick began his water industry career with the City of Wilson in 1992 as its WTP operator. He stayed in that position for seven years before he transferred over to the Greenville Utilities Commission (GUC)



in 1998 and has been there ever since. Patrick has been on a steady climb at GUC, moving from operator II in 1998 to operator III in 2000, relief operator in 2003, operations coordinator in 2011, and promoted to WTP Superintendent in 2012.

Patrick says that as he worked his way up the ladder at GUC, Cliff Strickland, operations coordinator and Ricky Langley, superintendent, encouraged employees to expand beyond operations and that really helped him develop. He enjoys working at GUC and says the staff is very close-knit and they help each other out.

Patrick is also very active in the North Carolina Waterworks Operators Association (NCWOA). He got actively involved in the association around 2006. He started in public relations for NCWOA and in 2015, will be its new president.

### **Ken Loflin**

When a person embarks on a new career path, it's probably safe to assume they say a little prayer that they in fact will like the career they have chosen. That certainly was the case for Ken Loflin, water supply and treatment manager for



Orange Water and Sewer Authority (OWASA). Loflin's father-in-law, from his first marriage, introduced him to the water industry in Siler City. There were two positions open, one at the wastewater treatment plant and a third shift operator's position at the water treatment plant. Loflin chose the operator position and to date, his career has spanned 24 years in the industry.

Loflin worked his way up from third shift operator to plant superintendent for Siler City before moving to OWASA. He has been with OWASA for the past 10 years and looks forward to the day he can retire and go to his other full time job. Loflin and his wife work a 164 acre family farm raising cows and growing hay.

Loflin loves both of his jobs and enjoys the dayto-day grind they each offer. Although OWASA is a fairly old plant in Carrboro, built in 1948 by the University of North Carolina at Chapel Hill, Loflin has been a part of a great conservation effort the university has been involved with developing. He says his plant services 85,000 customers with 22,000 service connections, but the water consumption is down to early 1990 levels.

Loflin has been a member of the North Carolina Waterworks Operator's Association (NCWOA) since 1991. He says the association has meant a lot to his career because of its education and networking efforts.

Loflin is current treasurer for NCWOA and has served as past Public Image Chair, Chairman of the North Piedmont Section, Vice Chair of the North Piedmont Section, and Secretary/ Treasurer for the section. He says his biggest accomplishment, other than being awarded NCWOA's Operator of the Year in 2011, was beating Chris Smith and Randy Hawkins out in the NCWOA slogan contest. Loflin penned "Training Tomorrow's Water Professionals Today."

### Salisbury-Rowan Operators

The water plant operations staff for Salisbury-Rowan Utilities (SRU) is a dedicated group of individuals. They work together as one and have amassed 75 years of work experience.

The operators at the Salisbury Water Treatment Plant have a passion to produce the highest quality water for the customers of Salisbury and the surrounding area. Together they have earned the Area Wide Optimization Award for the past two years. Six operators comprise the operations staff for Salisbury –Rowan Utilities.

**Clint Mishak** is a US Navy Veteran who has 23 years of service with SRU. Clint has a B-Surface Certification. He is very attentive to detail and notices when things change from a normal status.

David Barrier is a US Air Force Veteran who has 12 years of service with SRU. David has earned his A-Surface Certification. David has an exceptional memory and is very adept at math.



Gale Stroud She has been there for seven years. She has an A-Surface Certification and has recently passed the Process/ Control Chemistry exam.



Jeff Parker has 15 years experience at the Salisbury Water Treatment Plant. He has earned his A-Surface Water Certification, C-Well Certification, and the Total and Fecal Coliform Certification. Jeff has been with Salisbury through the transition of the water plant from a conventional plant to an Actiflo System.

**Darren Cox** has 13 years experience with Salisbury. He began in maintenance and later transferred to operations. Darren has his A-Surface Water Certification, C-Well Certification, and most recently passed his Maintenance III exam on his first try.

Henry Okiro has just recently joined the Salisbury team, coming from a larger municipality. Henry has an A-Surface certification along with the Total and Fecal





### 2014 Operator Spotlight Recap - August

### **Leslie Carreiro**

Carreiro began her new career path in August 1991 as an operator and because of her science background, moved over to the lab where she worked the next 14 years. She was promoted to superintendent and has served in this position for the past nine years.

Carrerio oversees a staff of 41 employees and three treatment plants that serve 123,000 customers. She explains that the average daily flow for the three plants is around 20 million gallons

plants is around 20 million gallons per day, considerably less than when she began in 1991 with just two treatment plants.

Carreiro has always enjoyed her job and affiliation with the North Carolina Waterworks Operators Association (NCWOA). She says NCWOA has been a light that has kept her going, adding excitement to the often mundane.

Retirement is still roughly seven years away and with the time she has left is on a mission to help educate the public on water and bring to light the career possibilities in the water industry. Her work with My Water Matters helps her bring her mission to fruition. She also serves on the NCWOA Nominations Committee and the state's Water Treatment Facility Operator Certification Board



### **Russell Bateman**

Bateman has been in the water industry since 1984 where he started out in wastewater with the Town of Hillsborough. In 1986, he came over to the water plant and has held the superintendent position since March 1992. Bateman got into the water industry because he felt it was a secure career path and at the urging of his father-in-law.

Hillsborough averages about 1.5 million gallons per day. Bateman says they have seen a drop in consumption as well due to the

textile industry picking up and leaving NC.



He says that working with NCWOA has been a very positive impact on his career and Hillsborough because of the networking opportunities and the new products and companies it introduces the water industry to.

Bateman says you can pick that phone up anytime and call someone in involved with NCWOA and ask questions and not feel judged or thought of as stupid. He says it's just a positive organization to be involved with.





LEFT: 2010 Western Section Meeting / CENTER: 2010 Jim Adams, 1st Educator of Year / Right: 2010 Cindy Price, 1st Lab Analyst of the Year



LEFT: 2010 Southeastern Section Meeting/ CENTER: 2011 Spring School in Morganton/ Right: 2013 Executive Board

### 2014 Operator Spotlight Recap - November

### Joe Stowe, Jr.

Continuing through life, Joe graduated from Hamlet High School and then went on to graduate from North Carolina State College. During these same years, he was able to work at the water plant and attend the NCWOA water school at Mann Hall, obtaining his C-Surface certification license as a water treatment plant operator in 1961.

In 1967, Joe was off to Army basic and advance training, finishing as a commissioned officer in the Army Signal Corps. Upon arriving in Vietnam, Joe was assigned to a Cyber Operations Battalion near Bin Wa, Vietnam. Once there, his commanding officer after finding out that Joe had water treatment experience, assigned him to be the officer in charge of their 10,000 gallon per day water treatment facility. For this service Joe received the Bronze Star for meritorious service and returned to the states in late 1969.

As soon as Joe returned home, he began his search for employment. Soon he would be on his way when he was chosen by the Fayetteville PWC to be its Superintendent of Water and Wastewater. At that time he was only 25 years old. While at PWC, Joe continued to get his licenses as a water and wastewater treatment operator and obtained his Grade A Surface and Grade IV Wastewater licenses. Also during this time, he became the President of NCWOA in 1977-78.

After 10 years with PWC he moved on to be the Director at the Hopewell Regional Wastewater system in Virginia. Soon after that, Joe would get the call from the Charlotte-Mecklenburg Utilities Department (CMUD) to become its Director in 1982.

During his years with CMUD, Joe stayed active with NCWOA, NC AWWA-

WEA and became President of NC AWWA-WEA in 1989-1990.

After 12 years with CMUD, Joe ventured into the private sector of the water industry and took a position with CH2M Hill Engineering Company in its Utility Management Branch working with utilities throughout the southeast. Then in 2000, he became the President of the Water Environment Federation which sent him on trips to 50 states and 14 foreign countries working with environmental



issues in water. In these last years of Joe's career, he took a position with McKim and Creed Engineering with whom he retired in July of 2014. After 53 years, it is safe to say that Joe has truly spent a lifetime of service in our water industry.





LEFT: 2011 Brevard WTP / CENTER: Dyke Lubin and Fred Hill / Right: 2014 School Registration



LEFT: 2014 School Cindy and Heather / CENTER: 2014 School Heather, Julius and Sandra / Right: SE Section Annual School

### In Memoriam

### **Benjamin Shaw**

Benjamin "Franklin" Shaw, Jr., 78, of Rex, NC died Friday January 17, 2014 in his home with his family at his side. He was born April 15, 1935 to his loving parents, the late Ben and



Pocahontas Shaw. He worked with Milliken in Red Springs for 30 years and with the Robeson County Water Department for 22 years. He was a member of NCWOA from 1986-2009.

### **Numa Womble**

Mr. Numa G. Womble, 85, went home to be with the Lord on June 14, 2014 while at his home. A lifelong resident of Chapel Hill, NC, he was retired from OWASA as well as a



full-time farmer. He was a member of NCWOA since 1973.

### Joe Richard Stutts, Sr.

Joe Richard Stutts, Sr., 83, of Mooresville passed away on Saturday, December 13, 2014, at his residence.

He was born on August 4, 1931 in Iredell County, to the late Hugh Thomas and Margaret McNeely Stutts. Mr. Stutts was a veteran having served in the US Air Force. He was retired from the Town of Mooresville as the chief operator with the Water Department. Mr. Stutts was a longtime faithful member of Rocky Mount United Methodist Church in Mooresville and also a member of the South Iredell Lion's Club.

In addition to his parents, he was preceded in death by his wife, Yvonne Brotherton Stutts, and brothers, Alvin and Louis Stutts. Mr. Stutts is survived by his children, Deborah S. Neill and husband, Roger of Mooresville, Tammy S. Menster and husband, Tim of Troutman, Joe Richard Stutts, Jr. and wife, Melissa, of Mooresville, Mark Stutts and wife, Susan of Boone; sisters, Louis Cook, Jean Brown, Shirley Poole; brothers, Robert Stutts, Walt Stutts; grandchildren, Shannon, Adam, Tanya Jo, Candace, Emily, Taylor, Alex, Addison, Will, Paxton, Walker; and nine great grand children.

### **Kevin Reidlinger**

Kevin Mitchell Reidlinger, age 54 of Claremont, passed away April 22, 2014 at his residence.

Born in Shelby County, TN, he was the son of Arthur John Reidlinger, Jr. and Carol DeLancey Reidlinger. He worked for the City of Longview in the water treatment department. He was a member of NCWOA since 2002.

### **Billy Burgess**

Billy G. Burgess, 80, of Huntersville, died June 14, 2014. He was born on July 13, 1933, in Haywood County to the late Floyd and Ethel Burgess. He served in the US Navy. He retired from the City of Charlotte's Utility Department as Supervisor of the Catawba River Pump Station. He was a member and past master of the Long Creek Masonic Lodge #205 and Friendship Lodge #700. Billy was a certified lecturer and a past DDGL of the 31st District of NC. He was a member of NCWOA since 1980.

### **Warren Burris**

Warren Westley Burris, 58, of Mount Pleasant, passed away Monday, Feb. 10, 2014, at Lexington Memorial Hospital. Warren was born Nov. 8, 1955, to the late Aringie "Lee" and Dorothy "Ducky" Newton Burris. Mr. Burris was employed with the Town of Denton Water Plant as a dedicated Class A water treatment professional. He was a wonderful person, beloved son, brother, father, coworker and friend to many. His gracious manner, big heart and gift of laughter made all who were around him smile. He was a member of NCWOA since 1988.

### **Neddie Lee Hayes**

Neddie Lee Hayes, 62, passed away Feb. 29, 2012, at Kings Mountain Hospital. He was born January 11, 1950 in Gaston County son of the late Julius and Mable Dover Hayes. Mr. Hayes was a member of Harvest Time Assembly in Kings Mountain. He was a loving husband, dad and pawpaw, who was a native of Gaston County. Neddie was employed with the city of Bessemer City for 41 years as the Operations Director of the water plant and gas department. He was loved and will be missed dearly. He was a NCWOA member from 1993-2012.

### John Martin

Mr. John Kerr Martin, age 56, of Mount Airy, passed away Monday, May 12, 2014, after a long period of declining health. John was a well-known water plant operator for both Mount Airy and Pilot Mountain. He retired in 2013 after a lengthy career. He was a member of NCWOA since 1975.

### **Dusty Martin**

Mr. William Darryl "Dusty"
Martin, age 52, died Friday,
Feb. 21, 2014, as a result
of a car accident in Raleigh,
N.C. Mr. Martin was born on
Nov. 6, 1961, in Lee County,
N.C. to the late William



Booker Martin, Jr. and Shelby Stone Martin. He was an operations supervisor at the Orange Water and Sewer Authorities' Jones Ferry Road Water Treatment Plant for the last seven years. He previously had worked at treatment plants in Lee County, Siler City, Cary, and Chatham County. He was a member of NCWOA since 2005.

### Carl McCray

Mr. Carl Walter "Dip" McCray, 47, of 1071 West Millpond Rd., Roper, died Sept. 30, 2014 at Vidant Medical Center of Greenville, Carl was born Sept. 10, 1967. He was a member of Bethel Church of Christ (Disciples of Christ), Veteran of the United States Army where he received the Army Service Ribbon, Army Lapel Button, Good Conduct Medal, Driver's Badge and Army Achievement Medal, Water Plant Operator for Washington County Water Department where he was licensed in B-Well. B-Distribution, Grade 1 Physical/Chemical Water Pollution Control System Operator, Asst. Basketball Coach for Washington County Union Little League (2003-'06), Asst. Football Coach for Washington County Recreation (2004-'06), Asst. Basketball/Football Coach for Washington County Union (2007-'08) and Asst. Basketball

Coach for Plymouth High School (2009). He was a member of NCWOA since 2008.

### **Frank Morris**

Frank Othellis Morris, 84 of Boiling Spring Lakes, passed away on Friday, January 03, 2014 at his home. Mr. Morris was born November 6, 1929 in Sumter, SC the son of the late Everette Lee Morris Sr. and Goldie Jerrell Morris. He was a veteran of the US Army having served in WWII as a member of the 82nd Airborne. Mr. Morris attended Clemson University on the GI Bill, graduating in 1952 with a degree in civil engineering. He was retired from the US Geological Survey and also retired from the State of North Carolina Department of Public Health – Water Resources Division. Mr. Morris was a member of the Elk's Lodge and a member of The Lakes Golf Club in Boiling Spring Lakes. He was preceded in death by his wife Hazel Ruth Duckett Morris and a sister Vera Goody. He was a member of NCWOA since 1979.

### **John Miller**

John Thomas "Johnny" Miller, III 63, ascended to his heavenly home Saturday March 15, 2014, in Durham, North Carolina, ending his valiant 30-year battle with liver disease.

John's unceasing work culminated into the founding of his own construction company, John T. Miller, General Contractor, which he grew into a million dollar enterprise. John eventually transitioned his skills into a position with the Town of Columbia, NC, where he served that community faithfully as a water plant operator, a building inspector and recently as the town's Fire Marshal. He also was serving on the Tyrrell County Public Library Board.

Besides family, friends, and building, John's passion in life was devoting his time and talents to Lions Club International. He was honored with Lions Clubs International's second highest award, the International President's Medal, as well as with numerous international and state awards and recognitions. He was a NCWOA member since 2011.

### Glenn Cushing

Mr. Glenn A. Cushing, age 61, a resident of 431 E. Main St, Washington died, Sunday March 16, 2014 at his home.

Mr. Cushing was born on January 9, 1953 in Bay Shore, NY to the late Edward and Mabel Reinertsen Cushing. On May 16, 1998 he married Teresa Lynn Speller who survives. He graduated from Hazelwood High School in St. Louis County, Missouri and retired as the Operations & Pretreatment Supervisor of the City of Washington where he worked for 31 years.

Mr. Cushing served as a deacon at the First Christian Church, was an avid sailing enthusiast and was a past member of the Pamlico Sailing Club. He loved living in Washington and he truly loved his family. He was a past Northeast Section Chair and a life member of NCWOA.

# 2015 Schools



Morganton - A Surface



Morganton - B Surface



Morganton - C Surface



Morganton - B Well



Morganton - C Well



Raleigh - B Surface









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## **NCWOA 2014 - By The Numbers**

75 years

3,133 Total Members

NE Section = 639, SE Section = 805, SP Section = 462, NP Section = 620, Western Section = 607

3582 + hours of credit issued for 15 seminars

225 Students at the Spring School in Morganton

B-Well = 12, C Well = 33, A-Surface = 22, B-Surface = 29, C-Surface = 51, Advanced Day = 78

268 Students at the Annual School in Raleigh

A-Well = 18, B-Well = 17, C Well = 47, A-Surface = 31, B-Surface = 36, C-Surface = 41, Advanced Day = 78

12 Corporate Sponsors & 2 Advertisers

Thank you for another great year!