



NCWM – NEWS

National Conference on Weights and Measures

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Chairman's Column

Jerry Buendel, NCWM Chair — Washington State Department of Agriculture



Dear NCWM Members,

Thank you all for making our 100th Annual Meeting a very special event. The meeting held at the Sheraton Society Hill Hotel in Philadelphia was a great success and fitting celebration of NCWM's 110th anniversary. We had 270 attendees and 41 states, and the District of Columbia as well as attendees from Canada and Curacao. The NCWM staff and the event planning committee are to be commended for putting together a successful meeting.

The special event at the National Constitution Center was excellent and highlighted the conviction, courage and vision of our founding fathers. It was both humbling and inspiring to see the displays at the center, walk around Independence Hall and look at the other gathering places where the Declaration of Independence and Constitution were debated and signed. These passionate, highly

intelligent leaders were committed to create a system of government that would allow citizens to live in ways that had never been tried before and they did this at great personal risk. In a small but significant way our tasks are similar. We have a major obligation to build a regulatory system that works well for both buyers and sellers in the world's largest economy. I think we should reflect on what the next 100 years will bring and what each of us will do individually and what our organization will do to meet those challenges.

NCWM, our organization, has come a long way in the last 110 years. N. David Smith, North Carolina, our Celebration Lunch Banquet keynote speaker and former NCWM chairman outlined eight strengths and achievements of our conference. I want to highlight a few of them.

One is our commitment to service; despite budget cuts and other barriers we continue to perform at a high level in the marketplace and in this organization.

Another is the robust participation of the private sector. Industry members and device manufacturers offer

proposals, provide expertise and financial support that result in sound regulations and competent staff. Our work would not be possible without them.

A third is the Handbooks we have created to regulate commerce and provide technical guidance. The Handbooks have profound impact on commerce in the US and other countries and are the backbone of insuring equity in the marketplace. Another achievement is that the conference has evolved into a non-profit corporation and now operates a sophisticated business, the National Type Evaluation Program. This transition required exceptional effort and tested both our technical skills and business acumen. All of these achievements are possible because of the commitment and leadership of our members past and present. I am confident that we have people at all levels in our organizations to meet the challenges of the next 100 years.

I have chosen a theme of, NCWM – Strengthening a Progressive Organization.

Continued on page 2

Chairman's Column (cont.)

The strength of NCWM is its ability to respond to marketplace regulatory needs with the best thinking available.

We regularly do the "hard" things well. For the next year I am asking that we move forward in three areas.

The first is taking a look at how we develop standards, bring them to a vote and publish them in the Handbooks. Our current method works but we need to look at ways to conduct our business so that we can quickly and responsibly respond to a very rapidly changing marketplace, adapt to new technology and meet the needs of industry while safeguarding the interests of consumers. At the Fall Board of Directors meeting in Boise, your Board will begin to look at the way the conference operates, establish a workgroup and set some deadlines for presenting ideas. I expect we will be bold yet thoughtful and mindful of our fundamental values as we work on this topic.

One goal for next year is an extension of one from previous years. As the Professional Development Committee nears completion of the Professional Certification Exams your board is directing them to begin developing basic competency exams. The exams will be designed so that they can be used by jurisdictions to certify service technicians and to assure newly hired regulatory staff

are progressing in their training and are competent to begin their duties in the marketplace.

The PDC is still looking for subject matter experts to help finish LPG and Price Verification exams. If you are interested in volunteering for these projects contact Ross Anderson at rjandersen12@gmail.com.

Another goal focuses on telling our story. The Tool Kit Work Group has had a breakthrough with the video on our work in grocery stores by Steven Benjamin of North Carolina. I am challenging them to continue their efforts by producing more of these that can be used by agencies as is or to serve as a model for local production. The work group, thanks to Henry Opperman's leadership, has made progress on developing models to show the economic impact of weights and measures and I challenge them to further develop these models and be ready for publication at our 2016 Annual Meeting in Denver.

NCWM succeeds largely because of the creativity and grit of our members as they work in the many committees and workgroups. Congratulations and thank you to our newest appointees.

Elected Officers

Board of Directors:

Kristen Macey, California, is now the Chairman-elect. Ray Johnson, New Mexico, is the Treasurer; and Craig Van Buren, Michigan, will represent the Central Region.

Appointed Positions

Standing Committees:

Rachelle Miller, Wisconsin, will represent the Central Region on the Specifications and Tolerances Committee.

Ha Dang, San Diego County, will represent the Western Region on the Laws and Regulations Committee; Ethan Bogren, Westchester County will represent the Northeastern Region.

Cheryl Ayer, New Hampshire, will represent the Northeastern Region on the Professional Development Committee.

Associate Membership Committee:

David Calix, NCR, will be the new Chair; Richard Shipman, Rice Lake, will be the Vice-Chair; and Bill Callaway, Crompco, will be the Treasurer.

I look forward to visiting each of the regions this coming year and hope to be able to take something from each region that will be beneficial to NCWM. I hope to see many of you at the Interim Meeting. The Interim will be held in San Diego, California from January 10 to 13.

Feel free to contact me with your ideas, concerns and questions.

— Jerry Buendel, Chairman, Washington State Department of Agriculture

Visit www.ncwm.net/meetings
for more information about the
2016 NCWM Interim Meeting

Register Online Today!

Defensive Driving

by Douglas Rathbun, Illinois Department of Agriculture

On a cross country trip with my sister and nephew, I fell asleep and had a vivid dream about crossing the Serengeti Plain in Africa on a safari. The dry brush scraped the sides of the Jeep as we rolled along on a quest to see the big game animals. As it turned out, the dry brush was scraping against the vehicle I was riding in. I awoke to the sound of my sister screaming "STOP" from the backseat. My nephew had fallen asleep at the wheel and we were driving off-road through weeds taller than the vehicle.

In April of 2014, the operator of the Chicago Transit Authority Blue Line train "fell asleep at the wheel" injuring more than 30 people and causing millions of dollars worth of damage. According to the Insurance Institute for Highway Safety, in 2013 there were 32,719 vehicle related fatalities. These statistics do not include the thousands of accidents causing life-altering and debilitating injuries.

Every day hundreds of Weights and Measures officials get into their vehicles, strap in, and "mosey on down the trail" in preparation for a day of inspections for their respective jurisdiction without a thought about vehicle safety. Last year, Illinois inspectors logged over 550,000 miles in inspection related travel. It wouldn't be surprising if other jurisdictions matched or exceeded this amount of travel. For those in the weights and measures profession, an inspector's vehicle tends to be their office, break room and work platform all rolled into one. This is why they log far more "windshield miles" than the average motorist. As such, inspectors should remain "vehicle safety conscious" and supervisors should ensure inspectors are reminded of the responsibility they hold in their hands. Basic safety tips include:

1) Stay focused on defensive driving

- Keep 100% of your attention on driving at all times.
- Be aware of other drivers and expect the unexpected.
- Give yourself time to react by maintaining a 2 second cushion between you and the car in front of you, 4 seconds if driving in bad weather.

2) Practice safe driving tips

- Plan your travel time to accommodate stops for food, rest breaks and other business.
- Pull over to eat or drink.
- Do not use cell phones or any other electronic devices while driving.
- Adjust your seat, mirrors and climate controls before putting the car in gear.

3) Prioritize car safety

- Secure cargo that may move around while the vehicle is in motion. Don't attempt to retrieve items that fall to the floor.
- Have important items within easy reach, such as toll fees, toll cards and garage passes.

4) Slow down

- Don't speed – it gives you less time to react and can increase the severity of an accident.

5) Think safety

- Always wear your seat belt and drive sober and drug-free.

During my time in the Marine Corps, I was fortunate to hear a Mississippi State Trooper deliver a vehicle safety presentation. Although this was about 25 years ago and there are many parts of that presentation which I have long forgotten, he made one statement which has stuck with me: "I have been a State Trooper for almost 30 years and I have been to thousands of accidents. Not once in those 30 years have I ever unbuckled a dead person at the scene of an accident".

Photo retrieved from:

www.nationwide.com/dwd-safety-tips.jsp



VCAP Moves Forward - Input Requested by the NTEP Committee

by Jim Truex, NTEP Administrator

IMPORTANT NOTICE:

If your company holds an active NTEP Certificate for a device (instrument) and/or main element (component or module) of a weighing device that is subject to influence factor testing you must pay attention. Devices and elements include: load cells, weighing / load receiving elements 2000 lb capacity and less using non-NTEP load cells, indicating elements, complete scales 2000 lb capacity and less, automatic weighing systems, belt-conveyor scales automatic bulk weighing system controllers, monorail scales 2000 lb capacity and less, on-board weighing systems 2000 lb capacity and less and scale system controllers.

What has NCWM done to date?

The initial focus of VCAP was load cells. In late 2008, load cell certificate holders were notified that they must comply with the program. During the 2011 NCWM Annual Meeting, the NTEP Committee deemed the load cell initiative successful and announced plans to move on to the next device category. The Committee declared that the next device category was weighing/load receiving elements, 2000 lb capacity and less using load cells that are not traceable to their own NTEP certificate. In 2014, the NTEP Committee announced the expansion of VCAP to include indicating elements.

Why should I pay attention?

As a result of VCAP, 27 load cell certificates and 15 weighing/load-receiving element certificates were changed to "inactive" status.

NTEP is concerned that certificate holders are not paying enough attention to the VCAP requirements. NCWM worked very hard to identify all active certificates for load

cells, weighing elements 2000 lb capacity and less, using non-NTEP load cells and indicating elements. As a courtesy, certificate holders were notified of VCAP requirements and the established time lines. Please note that the NCWM Board of Directors does not consider it to be NCWM's responsibility to notify all certificate holders and affected certificates. Certificate holders are responsible for reviewing their active NTEP certificates and compliance with VCAP. The four remaining device categories are: complete scales, automatic weighing systems, belt-conveyor scales and automatic bulk weighing systems. It is important to note that NTEP interprets the complete scales category to include computing, non-computing, point of sale, crane, hanging, monorail, hopper and grain test scales (all with a capacity of 2000 lb or less). Certificate holders for these device types are encouraged to take note that, as part of their 2016 agenda, the NTEP Committee and NCWM Board is seriously considering the application of the VCAP requirement to all four remaining categories in the very near future. Once a final decision has been made to expand to other categories a timeline for submission of the audit report will be established. When the VCAP requirements are applied the certificate holder will be required to have an on-site audit of the manufacturer's quality system and on-site random and/or review of a production device by an outside auditor to verify compliance with VCAP.

[Writer's Note: In 2014, NTEP Specialist Darrell Flocken was hired by NCWM and joined the NTEP team. One of Darrell's many responsibilities is to provide services as a VCAP auditor. Interested certificate holders can inquire about his auditor services by contacting him via

email darrell.flocken@ncwm.net]

Why is the NCWM concerned about conformity assessment?

Since the inception of NTEP in the 1980s, NCWM has been concerned about the integrity of the certificates issued by NTEP. NCWM wants an appropriate level of assurance that production devices traceable to NTEP certificates perform at a level equal to or better than the device that was evaluated by NTEP. Whether you prefer to label it verification that production meets type, verification that the manufacturer can produce more than the golden egg, verification of conformity to type, or conformity assessment, the goal remained the same. After years of discussion and study, NCWM rolled out their "Verified Conformity Assessment Program" (VCAP) in 2008. VCAP is the element of conformity assessment that has the largest impact on certificate holders. Certificate holders are already responsible for conformity assessment for devices manufactured, distributed and used deemed traceable to the NTEP Certificate of Conformance and should have procedures in place to assure conformity assessment. VCAP verifies that it is occurring. VCAP is the area of conformity assessment that applies to manufacturers of metrological devices and components, traceable to an NTEP "Certificate of Conformance" (CC), that are subject to influence factors defined in Handbook 44. Holders of NTEP certificates (the company in the "Submitted by" box on the NTEP CC) for these weighing devices are required by Publication 14 Administrative Policy to have a VCAP program in place.

Continued on page 5

VCAP Moves Forward (cont.)

As VCAP moves forward, what action should I take if I have questions or want to comment about the Conformity Assessment Program?

Certificate holders are encouraged to research the VCAP requirements on the NCWM website under the NTEP, Conformity Assessment section. Certificate holders are encouraged to review the VCAP requirements applicable to their devices and report concerns to the NTEP Committee. The NTEP Committee would like to have a better understanding of specific issues and questions. Certificate holders and other interested parties are encouraged to submit written questions to the NTEP Committee so decisions can be made regarding the progress of VCAP. Conformity Assessment is also an agenda item of the NTEP Committee, reference NCWM Publications 15 & 16. Written and oral testimony can be given during the Interim and Annual Meetings of NCWM. Comments and input from all stakeholders are welcomed by NCWM.

[Writer's Note: It is significant to know that during 2015 the NTEP Committee considered expanding the weighing/load-receiving category to include all weighing/load-receiving elements, not just those using non-NTEP load cells. The Committee decided not to include weighing/load-receiving elements, largely due to valid written comments from manufacturers. The point is your opinions and input matter and are considered.]

Information about VCAP - including both systems audit checklists, frequently asked questions (FAQs) and a supporting document to guide the auditor based on FAQs - are available for download from the NCWM website. Go to www.ncwm.net, click on "NTEP" then click on "Conformity Assessment." If you would like to discuss the content of this article, please contact Jim Truex at jim.truex@ncwm.net.



2016 NCWM Interim Meeting

January 10 - 13

**The Westin San Diego
Gaslamp Quarter**

(619) 239-2200

Group Name: Interim Meeting

Reservation Deadline: December 17

'15 - '16 NCWM Board of Directors

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Jerry Buendel

Program Manager

Washington State Department of Agriculture

CHAIR - ELECT

Kristin Macey

California Division of Measurement Standards

NTEP COMMITTEE CHAIR

Ronald Hayes

Missouri Department of Agriculture

TREASURER

Raymond Johnson, Jr.

New Mexico Department of Agriculture

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Michigan Department of Agriculture and Rural Development

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Kenneth Ramsburg

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- Allow variations due to moisture loss
- Calculates SEL and Standard Deviation
- Dynamically calculates Rc/Rt for tare
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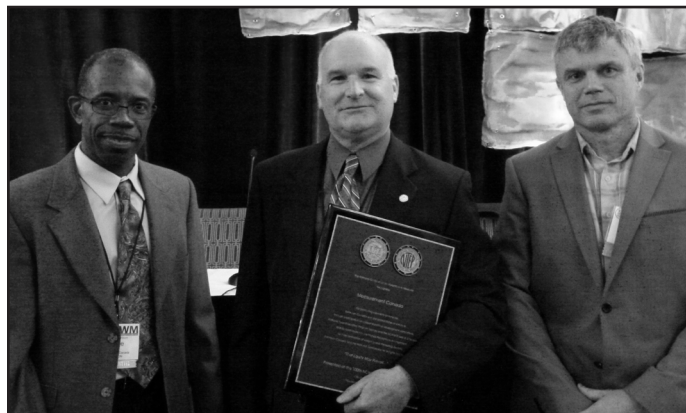
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NCWM 100th Annual Meeting Highlights



Recognition of 100% attendance by Massachusetts at NCWM Annual Meetings. From left: NCWM Chairman Ronald Hayes, Charles Carroll (MA), Carol Hockett (NIST, OWM)



Recognition of Measurement Canada's partnership with NCWM. From left: Lance Robertson, Gilles Vinet, Luciano Burtini



Retirees recognized for their years of service to NCWM. From left: Joe Silvestro, Otto Warnlof, Ross Andersen, Charles Gardner, Ann Turner, Michael Cleary, Roger Macey, Steve Cook, Curtis Williams, Dean Ely, Brett Saum, Richard Suiter, David Quinn



Past and present NIST Members were recognized for their contributions to NCWM. From left: Kevin Chesnutwood, Ann Turner, Richard Suiter, Carol Hockett, Otto Warnlof, David Sefcik, Ralph Richter, Tina Butcher, Steve Cook, Henry Oppermann, Clark Cooney, John Barton, Marc Buttler



NCWM Past Chairmen were recognized for their contributions. From left: Ronald Hayes, John Gaccione, Stephen Benjamin, Kurt Floren, Michael Cleary, Don Onwiler, Ross Andersen, Louis Straub, Charles Gardner, Jim Truex, N. David Smith

Alaska Division of Measurement Standards

Andrew Buchanan

Association of Global Automakers

Pratima Gangopadhyay

Birmingham W&M

Bobby Patterson
Antoine Rice

Bosselman Tank and Trailer

Ken Caldwell

Bullseye Calibration

Dave Brock

CA Dept. of Food and Ag.

Irene Brazil
Anil Samujh

Chautauqua County W&M

Marshall Ball

City & County of San Diego

Maria del Carmen Kern

City of Milwaukee Health Department

Claire Evers

Colorado Petroleum Association

Stan Dempsey

Contra Costa County

Dean Gottlieb

County of Nevada Ag. Department

Chris Flores

Dept. of Licensing & Consumer Affairs

Beatrice Gumbs

Eon Controls, LLC

Abdulhamed Manadath

ExxonMobil

Kelly Mason

FL Dept. of Ag. and Consumer Services

Alan Walker

FTI International, Inc.

TJ Li

Fujitsu Frontech North America, Inc.

George Tateno

FUZHOU LUCKY STAR, Co., Ltd.

Leo Guo

Graco, Inc.

Brad Byron

Heritage Bag Company

Christopher Brewster

Hope Technologic (XIAMEN) Co., Ltd.

Ada Liu

IKEA North America Services, LLC

Malin Nasman

Innospec Fuel Specialties

Rick Chapman

Itron

Julie Ellington

J.A. King & Co.

Kevin Roberson

Kanawha Scales & Systems of Ohio, Inc.

Rocky Smith

Krohne, Ltd.

Colin Cheeseman
Peter Kucmas

KSi Conveyors, Inc.

Calvin Young

Maine Dept. of Agriculture, Conservation and Forestry

Anthony Jenkins

Marathon Petroleum Co., LP

Jeff Griffith

Measurement Canada

Mario Dupuis

Mercedes-Benz Research & Development North America

John Cruz

Ministry of Economic Development

Robert Peterson

MS Dept. of Agriculture & Commerce

Zachary Ware

Musket Corporation

Brian Kernke

National Motor Freight Traffic Association (NMFTA)

Don Newell

New York Dept. of Agriculture and Markets

Matthew Fleming

OCS Checkweighers, Inc.

Holger Ferst

PICOR

Tony Walker

Red Seal Measurement

Mayank Malladi
Benjamin Bertz

Renewable Fuels Association

Kelly Davis

Rongta USA, Inc.

Marcus Li

San Francisco Weights and Measures

Miguel Monroy

San Joaquin County Agricultural Commissioner

Timothy Pelican

Sandusky County W&M

Jerri Miller

SICK AG

Thomas Held

South Dakota Petroleum and Propane Marketers Association

Dawna Leitzke

Stanislaus County

Wendy Hahn

Steuben Co. Dept. Weights and Measures

Nathan Jones

Sunoco Logistics

Fatine Rattoun

Superior Energy Systems

Scott Dougherty

Telvent DTN

Micki Verhagen

USDA-GIPSA

Stacey Schofield

Virginia Dept. of Agriculture and Consumer Services

Andres Alvarez

Volta Oil, Co.

Bruce Garrett

Washington State Department of Agriculture

Tim Elliot

Weigh-Tec, Inc.

Dawn Freeman

Zebra Technologies

Robert Quintero

Zhejiang South-Ocean Sensor Manufacturing Co., Ltd.

Della Zhong

NCWM 100th Annual Meeting:

Special Award Recipients

Congratulations to recipients of the **2015 NCWM Special Awards** and thank you on behalf of the National Conference on Weights and Measures membership.

The NCWM Special Awards include three categories: Contributions, Distinguished Service and Lifetime Achievement.

The NCWM Contributions Award recognizes members who have made notable contributions to NCWM standards, policy, administrative support or other services deemed worthy of recognition. Recipients have been NCWM members for at least five years.

The 2015 recipient was:

MICHAEL CLEARY - Retired, California

The NCWM Distinguished Service Award recognizes members who have made a long-term commitment of service and leadership to the NCWM. Recipients have made significant contributions to the enhancement of the organization as a whole through committee service, important contributions to standards development, served as a resource for knowledge and advanced the vision and mission of NCWM.

The 2015 recipients were:

STEVEN COOK - Retired, California

STEPHEN LANGFORD - Cardinal Scale Manufacturing, Co.

BRETT SAUM - Retired, California

This year's **NCWM Lifetime Achievement Award** recipient was Charles Carroll, Massachusetts. Carroll became a local Sealer of Weights and Measures in 1959. In 1971, he moved into the state office as Inspector of Standards and was soon promoted to Supervisor. There, he was appointed Assistant Director in 1983 and since 2008 he holds the title of Director of the Division of Standards in his state, putting him in his 56th year in weights and measures.

Carroll was named by his regional association as Man of the Year in 1985 and was presented with his state association's Lifetime Achievement Award in 2005. His leadership credentials in both organizations are quite vast. Carroll attended his first of 34 and counting Annual Meetings in 1982. Since then, his services include:

- NCWM Vice Chairman
- Resolutions Committee
- Specifications and Tolerances Committee
- Executive Committee
- Work Group to Establish Benchmarks for Weights and Measures Programs
- NTEP Board of Governors
- NCWM Board of Directors
- NTEP Committee, and
- Nominating Committee as recently as 2014

In 1992, he attended the U.S. / Canada Meeting to Explore Reduction in Trade Barriers in 1992. Even more daunting was his appointment in 2001 to serve as Yankee Interpreter for then NCWM Chairman Ron Murdock.

This man's 55+ years in weights and measures are not about longevity. It is about unwavering passion that has been consistent throughout the years. His leadership came at important times in NCWM's evolution as an association. He was involved in our decision to incorporate in 1997 and the decision in 1999 to assume full administration of the National Type Evaluation Program (NTEP) as a means of protecting the integrity of the program through ongoing Production-Meets-Type requirements. He was an officer of the corporation in 2008 when the decision was made and the steps were taken to hire our own staff and open our own offices for the first time in NCWM's rich history. Perhaps it is no coincidence that this man, with his passion and statesmanship was at the table through all of these and other major milestones of NCWM. He is our colleague, friend and counselor.



We congratulate **Mr. Charles Carroll** as the 2015 NCWM Lifetime Achievement Award recipient.

Voting Record of the 100th Annual Meeting

July 19-23, 2015, Philadelphia, Pennsylvania

Item	House of State Representatives	House of Delegates	Result
Board of Directors			
120-5	Voice Vote		Adopted
120-6	Voice Vote		Adopted
120-7, 120-8, 120-9	Voice Vote		Adopted
To Accept the Report	Voice Vote		Adopted
Laws & Regulations Committee			
231-1	Yea: 39 Nay: 0	Yea: 62 Nay: 0	Adopted
232-3	No Vote		Committee Moved to Informational Status
*232-4, 237-1	Yea: 32 Nay: 8	Yea: 26 Nay: 31	Returned to Committee
237-3	Yea: 16 Nay: 16	Yea: 50 Nay: 9	Returned to Committee
260-1	Yea: 37 Nay: 0	Yea: 65 Nay: 0	Adopted
260-2	Yea: 39 Nay: 0	Yea: 67 Nay: 0	Adopted
260-3	No Vote		Committee Moved to Informational Status
To accept the Report	Voice Vote		Adopted
Specifications & Tolerances Committee			
Consent Calendar: 320-2, 320-4, 321-1, 321-2, 321-3, 321-4, 321-5, 321-6, 321-7, 321-8, 354-3, 354-4, 354-5, 360-3, 360-5	Yea: 40 Nay: 0	Yea: 70 Nay: 0	Adopted
310-2 To hear amendment	Majority to hear		Amendment was heard
310-2 To amend the proposal	Yea: 38 Nay: 3	Yea: 65 Nay: 1	Amendment Accepted
310-2 As amended	Yea: 38 Nay: 3	Yea: 65 Nay: 1	Adopted
330-2	Yea: 40 Nay: 0	Yea: 71 Nay: 0	Adopted
*337-1	Yea: 32 Nay: 8	Yea: 26 Nay: 31	Returned to Committee
354-1	Yea: 27 Nay: 9	Yea: 57 Nay: 8	Adopted
354-2	No Vote		Committee Moved to Informational Status
To Accept the Report	Voice Vote		Adopted

NCWM 100th Annual Meeting:

Additional Award Recipients

Committee Service Award

Mark Coyne (Board of Directors)
Craig VanBuren (Board of Directors)
Tim Lloyd (L&R)
Cheryl Ayer (PDC)
Rachelle Miller (S&T)

NCWM Chairman Award

Ronald Hayes

NTEP Chairman Award

John Gaccione

Presiding Officers

Tim Chesser
Marco Mares
Laurence Nolan
Jack Walsh

Chaplain

Stephen Langford

Parliamentarian

Lou Straub

Sergeant-at-Arms

Michael McGoff
Doug Rudy

Associate Membership Committee

Chair – Richard Shipman
Vice-Chair – David Calix
Secretary/Treasurer – Bill Callaway

Nominating Committee

Chair – John Gaccione
Stephen Benjamin
Judy Cardin
Charles Carroll
Kurt Floren
Joe Gomez
Randy Jennings

Credentials Committee

Chair – Craig VanBuren
Fran Elson-Houston
Darrell Flocken
Matt Maiten

Attendance Award - 5 years

Kevin Ferrick
Roger Macey
Derek Regal
Robert Upright

Attendance Award - 10 years

Mahesh Albuquerque
Stephen Benjamin
Robert DeRubeis
Jason Glass
Richard Lewis
Kenneth Ramsburg
Prentiss Searles
David Sefcik

Attendance Award - 15 years

Brett Gurney
Curt Williams

Attendance Award - 20 years

Robert Feezor

Attendance Award - 25 years

Gordon Johnson
N. David Smith

Attendance Award - 35 years

Henry Oppermann
James Truex

NCWM 100th Annual Meeting:

Door Prize Winners

1st Prize winner Charles Gardner (NY) with
NCWM Chairman Ronald Hayes



2nd Prize winner Jason Glass (KY) with
NCWM Chairman Ronald Hayes



2016 Interim Meeting Registration Form**January 10-13, 2016 / San Diego, California**

Please complete registration form legibly. Illegible forms may delay processing times. Submit form in one of the following ways:

E-mail. elisa.stritt@ncwm.net**Mail:** 1135 M Street, Suite 110 / Lincoln, NE 68508**P.** 402.434.4880**F.** 402.434.4878**ATTENDEE INFORMATION**

Select Registration Option:

☐ **NCWM Member**☐ **Non-Member**☐ **Retired Member:** A person who has retired member status..☐ **Observer:** A first-time attendee; allows full participation in all sessions and discussions, but does not include the Chairman's Reception.☐ **1 Day (Sunday):** Attendee will have meeting privileges on Sunday ONLY.

Member ID #:	Name:	Name for Badge:		
Organization / Jurisdiction:		Title:		
Street Address:				
City:	State:	Zip Code:	Country:	
Phone Number:	Email Address (Required):			

ATTENDEE'S GUEST INFORMATION

Name:	Name for Badge:
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Note: a \$25.00 fee will be added to on site registrations

	Registration Fees Before (12/17/15)	Registration Fees After (12/17/15)	Chairman's Reception	Light Breakfast
NCWM Member	\$225.00	\$275.00	included	included
Non-Member	\$300.00	\$350.00	included	included
Retired Member	\$0.00	\$0.00	included	included
Observer	\$100.00	\$150.00	\$35.00	included
Attend Sunday ONLY	\$100.00	\$150.00	included	N/A
Guest	N/A	N/A	\$35.00	\$30.00 (4 day package)

SPECIAL EVENTS

Will <u>You</u> Be Attending the <u>Chairman's Reception</u> : <input type="checkbox"/> Yes <input type="checkbox"/> No	Will <u>Your Guest</u> Be Attending the <u>Chairman's Reception</u> : <input type="checkbox"/> Yes <input type="checkbox"/> No
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NTEP Certified

Liquid Controls

Positive Displacement Meters and Sponsler Turbine Meters

The employees of Liquid Controls (LC) would like to recognize the service provided by the members of the National Conference on Weights and Measures (NCWM). Since we sold our first flowmeter to the United States Air Force in 1956, Liquid Controls has enjoyed considerable success, evolving into a stable, profitable company relied on by both employees and customers. In our 50 plus years of business, we have employed thousands of skilled workers who have crafted millions of quality products that continue to accurately measure liquids for businesses all around the world. Liquid Controls success would have been impossible without the NCWM. By holding LC and all manufacturers accountable, the NCWM plays an indispensable role in sustaining a healthy, competitive marketplace where hard work and craftsmanship are rewarded. The employees at Liquid Controls are proud of, and comforted by, the vital role that the NCWM plays in our industry, and we applaud the proficiency of those at the NCWM who take on that role.

SPONSLER TURBINE METERS

½ to 4"

1½ to 1,200 GPM

Solvents, gasoline,
diesel, fuel oil, ethanol,
LPG, and DEF

NTEP CC 04-097

CONTACT US FOR MORE INFORMATION

Liquid Controls
105 Albrecht Dr.
Lake Bluff, IL 60044

T - 800.452.5262

F - 847.295.1057

www.lcmeter.com

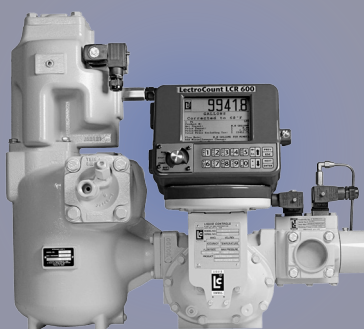
LIQUID CONTROLS POSITIVE DISPLACEMENT METERS

1½ to 8"

6 to 1,200 GPM

Refined fuels, aviation,
LPG, ethanol, and general
solvents

NTEP CC 99-141



LC
LIQUID CONTROLS GROUP



National Conference on Weights and Measures

1135 M Street, Suite 110 / Lincoln, Nebraska 68508

Event Calendar

Be sure to mark your calendar for all the upcoming NCWM, NIST and regional meetings.

September 2015

NTEP Measuring Sector Meeting

Denver, Colorado
September 15 - 16

NTEP Software Sector Meeting

Denver, Colorado
September 16 - 17

WWMA Annual Meeting

Boise, Idaho
September 27 - October 1

October 2015

CWMA Interim Meeting

St. Charles, Missouri
October 5 - 7

NEWMA Interim Meeting

Springfield, Massachusetts
October 13 - 14

SWMA Annual Meeting

Biloxi, Mississippi
October 25 - 28

January 2016

2016 NCWM Interim Meeting

San Diego, California
January 10 - 13

July 2016

2016 NCWM Annual Meeting

Denver, Colorado
July 24 - 28

*Further meeting details will be announced closer to the meeting dates at www.ncwm.net/meetings.