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Chairman's Column

Brett Gurney, NCWM Chairman — State of Utah



Dear NCWM Members,

The NCWM Annual Meeting will be held July 14-18, 2019 at the Hyatt Regency Milwaukee in the city of Milwaukee, Wisconsin.

As NCWM Chairman, it has been great to meet so many Weights and Measures officials throughout the country. Thank you for sharing your knowledge and hospitality. I want to thank the numerous volunteers we have who make this conference a success. Without you, we would not be able to meet the demands of an innovative marketplace. Your efforts are truly appreciated!

The theme this year, ***"Valued Traditions and New Innovations – Confidence in Every Transaction,"*** reflects the efforts NCWM is taking to ensure equity prevails in the marketplace. As new products, devices, and measuring practices come forward, the need and importance of accurate and correct weights and measures practices continues. Weights and Measures must be on the forefront as the marketplace changes. Are we moving in the right direction? Is NCWM becoming what we want it to be? As new demands and interventions come forward it is paramount that we look at ways to improve.

These questions have come up during our Board of Directors meeting this year. The NCWM Board of Directors have been working to answer these questions and modify our existing strategic plan. Much discussion took place during a recent strategic planning session. As a result, our Mission and Vision statements were updated as follows:

Our New Mission Statement -

"Ensuring equity and uniform standards in a changing marketplace."

We develop uniform and equitable weights and measures standards to:

- Promote commerce and fair competition by leveling the playing field
- Ensure consumers "get what they pay for"
- Foster confidence in marketplace transactions
- Advance economic growth

Our New Vision Statement -

"Making every marketplace transaction fair and equitable."

- Be a "think tank" for advancing measurement innovation
- Become a world-leading measurement standard setting organization
- Make the world a fairer place to transact business

Continued on page 2

The over-arching goal of the new plan will be to increase our membership to 5,000. Our Board of Directors will continue to work on strategic planning for this great organization.

I strongly encourage you to take full advantage of your NCWM membership. The NCWM needs your help to develop timely, uniform, and equitable weights and measures standards in this fast paced marketplace full of new innovations.

It is with great sadness to share with you that Jim Truex, NTEP Administrator, passed away March 24, 2019. He was an expert in the Weights and Measures profession, friend, teacher and someone we could always count on. We will truly miss Jim. Our NTEP customers will continue to receive high quality service while we go through this transition. An NTEP Specialist will be hired soon.

Please plan on attending our NCWM Annual Meeting. We will have the opportunity to give and receive testimony on many important issues. Some items will be ready for a

vote, while others will not.

Milwaukee has a lot to offer. During our Special Event we will have the opportunity to experience the Streets of Old Milwaukee, a European Village, a Butterfly Garden, a 2-story Costa Rican Rainforest, the planetarium and more at the Milwaukee Public Museum.

Weights and Measures affects everyone in the marketplace. We often hear from consumers who are unaware of our presence in the marketplace. Once explained we often hear the words "thank you".

I also want to thank you and I look forward to seeing you in Milwaukee!



Brett Gurney, NCWM Chairman

***Our new NCWM hats and polos are available for purchase!
The order form is available at www.ncwm.net/resource/forms***

\$15



\$25



\$20



Safety Column

Don't Get Zapped! - The Dangers of Electricity

Brett Gurney, Utah Department of Agriculture and Food



Weights and Measures Inspectors are faced with inspecting devices which require electricity. Electrical hazards must be identified and avoided to keep us out of danger.

Considering the path an electrical charge will take and mitigating the risk is essential to being safe. Recognizing that electricity is necessary to the devices we test and to the testing process itself, and that testing may generate additional electric charges so we have to think about controlling it.

Potential harm caused by uncontrolled electricity or electrical charges:

- Shock or electrification
- Set fire to a flammable liquid or other combustibles
- An explosion of combustible vapors

How to Prevent or Control Stray Electrical Charges:

- Work in dry conditions
- Use hoses/cords in good condition (not frayed, repaired with tape, missing grounding plugs, etc.)
- Use a voltage detector to verify retail motor fuel devices or scales are grounded or are energized, giving off an electric charge
- Plug into grounded receptacles/testing with a UL approved ground-fault circuit interrupters (GFCI)s tester to verify the receptacle is grounded
- Use an extension cord with a built-in GFCI or use a ground fault interrupt 'pigtail' between the end of the extension cord and the prover
- Verify tanks and vehicles are bonded, not breaking the bond between slip-on tanks and the vehicle they are

mounted on

- Bond a bulk truck and prover when proving to equalize the charge between them (this prevents creating a spark when touching the one with the higher charge)
- Ground equipment to direct electrical charges away from flammables, explosives and people

How to Protect Others:

- Wear gloves
- Wear proper footwear
- Keep feet close together and take SMALL steps when there is any chance of a charged object on the ground
- No jewelry, (if you allow rings, **require** gloves over the rings – especially when working inside powered retail motor fuel dispenser)
- Choose clothing with natural fibers. Synthetic fibers (i.e. polyester) can generate static charge
- Use double-insulated tools and equipment that are distinctively marked
- Use tools and equipment according to the instructions included in their listing, labeling or certification
- Visually inspect all electrical equipment prior to use. Equipment that has frayed cords, missing ground prongs must be removed
- Do not use defective tools or equipment
- Use equipment as prescribed

Many workers are unaware of the potential electrical hazards present in their work environment, which makes them more vulnerable to the danger of electrocution. We have to mitigate the risk and think about the path an electric charge will take. We must think about electricity hazards as testing procedures may generate additional electrical charges.

Sources:

www.osha.gov/SLTC/electrical/hazards.html

www.osha.gov/SLTC/electrical/solutions.html

Employment Opportunities

NCWM is proud to serve the weights and measures community, both private and public sectors, by listing employment opportunities. Any organization that maintains memberships with NCWM may request positions be posted online for public viewing at www.ncwm.net/resource/employment-opportunities.

If you wish to post employment opportunity information, please send inquiries to don.onwiler@ncwm.net.

104th NCWM Annual Meeting

July 14 - 18 | Milwaukee, Wisconsin

The Annual Meeting is the high point of our year where all the hard work pays off. At this meeting, stakeholders will debate important proposals to amend the United States standards for weights and measures. When the debating is done, the votes will be cast.

Our committees have their work cut out for them with some very full and diverse agendas. Committee agendas are available at www.ncwm.net/meetings/annual/publication-16.

HOTEL

Hyatt Regency Milwaukee
333 W Kilbourn Avenue
Milwaukee, WI 53203
P. (888) 421-1442

Group Rate: \$119.00*

**Mention code “G-NCWM” to secure group rate.*

Reservation Discount Deadline: June 21, 2019

Click [here](#) to make your online reservation!

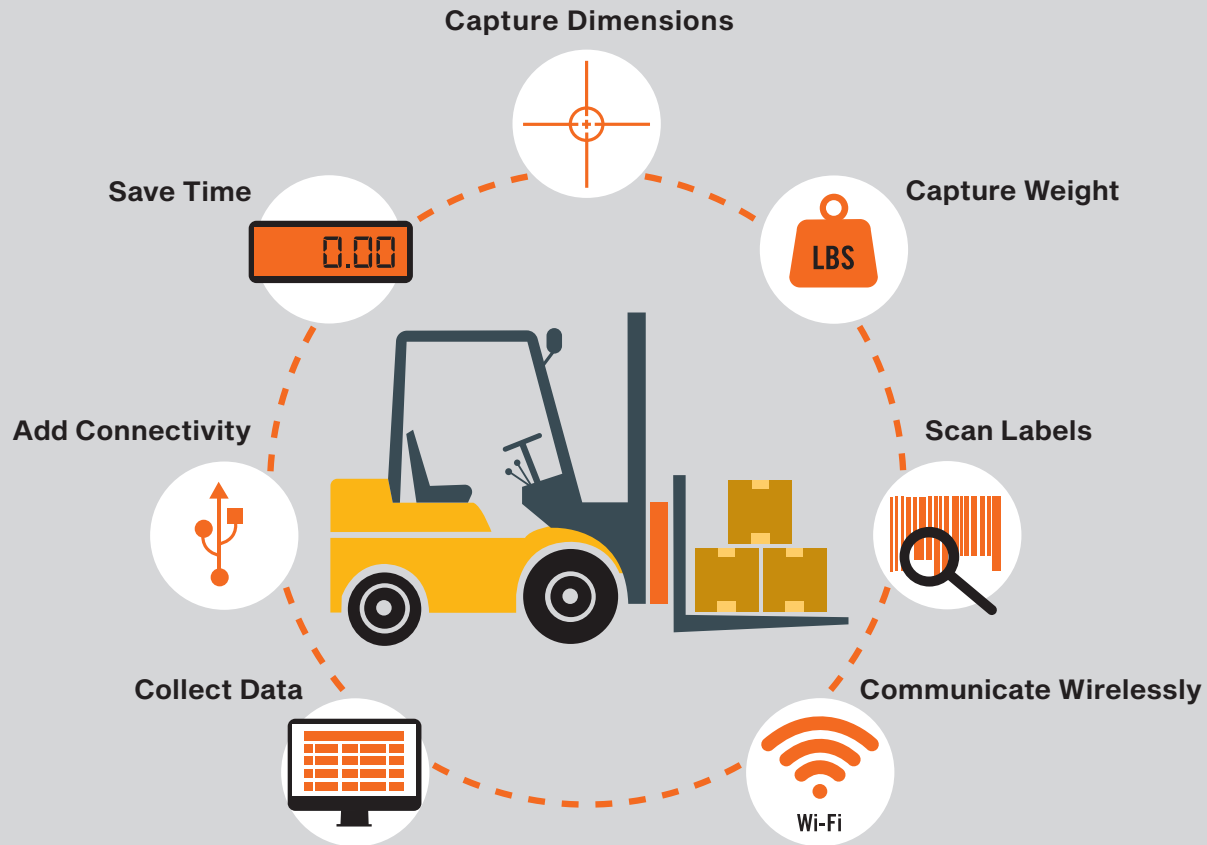
EVENTS

The **Chairman's Reception** will honor NCWM Chairman Brett Gurney from the State of Utah. The reception will be Sunday, July 14th, at 5:30 p.m. Dress is business casual.

The **Special Event** will be held Wednesday, July 17th at the Milwaukee Public Museum!. Buses will load at 5:50 p.m. in front of the hotel. At the museum, you can explore a two-story rainforest, a Butterfly Garden, the historical Streets of Milwaukee and much more! We will have non-traditional dining stations available so you can enjoy dinner and explore the exhibits at your leisure from 6:00 p.m. until 9:30 p.m. Buses will begin return trips to the hotel at 8:00 p.m. *Attire is casual.*

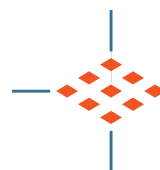
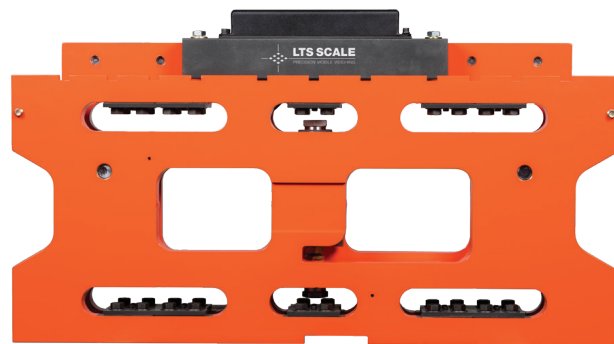
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EVENT CALENDAR 2019

July

104th NCWM Annual Meeting
Milwaukee, Wisconsin
July 14 - 18

August

NTEP Grain Analyzer Meeting
Kansas City, Missouri
August 13

NTEP Weighing Meeting
Denver, Colorado
August 20 - 21

September

WWMA Annual Meeting
Park City, Utah
September 8 - 12

NTEP Measuring/Software Meeting
Denver, Colorado
September 24 - 26

October

SWMA Annual Meeting
Knoxville, Tennessee
October 6 - 9

2020

January

2020 NCWM Interim Meeting
Riverside, California
January 26 - 29

NTEP Column

The Missing Temperature Range

Darrell Flocken, NTEP Administrator



Those of us who regularly work with an NTEP Certificate of Conformance know that an NTEP certified scale or a component of a scale may have a limited operating temperature range. There are many reasons for a device to have a limited temperature range; however, when a limited temperature range is identified the range must indicated on the certificate and be marked on the device. In this situation, the device should not be used when ambient temperatures are outside the listed range.

If the temperature range listed on the certificate is -10 °C to 40°C, we know that no operating temperature restrictions are applied to this device, and it is not a requirement to mark the range on the device. Previously, the temperature range could be found on the bottom line of the Standard Features and Options (SFO) box located on the first page of the certificate.

At the 2018 Weighing Sector Meeting, sector members agreed to not show the temperature range in the SFO box if the device has no limiting operating temperature range. However, if the device has a limited operating temperature range, this range is required to be listed in the SFO box. The sector members also agreed that in all cases, the temperature range used during the type evaluation testing shall be mentioned in the Test Conditions section of the certificate.

As a reminder; NIST Handbook 44, Section 2.20 Scales, paragraph T.N.8.1.2. states the minimum temperature range is specified by the device accuracy class as shown in the following extract below:

Table T.N.8.1.2. Temperature Range by Class	
Class	Temperature Range
I	5 °C (9 °F)
II	15 °C (27 °F)
III, III L, and IIII	30 °C (54 °F)

The next time you are reviewing the information on an NTEP Certificate of Conformance for a scale or a component of a scale, if you notice that there is no temperature range shown in the SFO box, don't panic. Look at the certificate issue date, if it was issued after December 31, 2018, the missing temperate range is not a mistake. Please contact me with any questions at darrell.flocken@ncwm.net.

NCWM Welcomes New Members (1/24/2019 - 5/3/2019)

American Trade Association for Cannabis and Hemp

Michael Bronstein

Bankcard Services

Mac Kim

California Div. of Measurement Standards

Jeffrey Cambeis

Cinthia Reyes

Chevron USA, Inc.

Matthew Sheehan

City of Appleton

Todd Schmidt

City of Cambridge

Anthony Tuccinardi

Clarit Consulting LLC

Richard Roach

Cognex

Drew Parrett

Control Stuff Inc.

Chris Riemer

City of Orange Agricultural Commissioner

Shane Johnson

Daily's Premium Meats

Don Smith

Fayette County

Brenda Mossbarger

Filljoy

Derrick Chao

FLATHEAD24 LLC

Kyle Dove

Flint Hill Resources Pipelines and Terminals

Skip McCreery

Florida Dept. of Agriculture and Consumer Services

Camilo Rojas

Fujitsu Frontech North America, Inc.

Mitch Goldkorn

Globe Food Equipment, Co.

Peter Dierauer

G-Tech International Co., Ltd.

Jun Taek Joung

Industrial Fabrication Services

Matt Doherty

Ivy Computer

John Henle

LivWell Inc.

Ryan Whitford

Louisiana Dept. of Agriculture and Forestry

Teri Berken

Troy Coates

Erin Joseph

Joshua Salley

Alicia Waller

Marcoot Jersey Creamery

Linda Marcoot

Mashgin

Devin Blong

Measurement Canada

Eric Langevin

Mobile Demand

Matt Miller

Moorange Electronics Mfg. (Shanghai) Co., Ltd.

Yufei Liu

MVP Technologies

Carlos Novas

New York Dept. of Agriculture and Markets

Usman Khan

NMFTA

William Mascaro

Oswego County W&M

Jamie Comstock

Posera

Michel Cote

Presidium Instruments Pte, Ltd.

Jayson Chua

Product Engineering Corp.

Hongguang Ren

Progressive International Electronics

Arnaldo Rivera

Qwix Mix, Inc.

Tyler Patch

Scale South, Inc.

Scott McKillip

Scales NW, LLC

Medum Choe

Square Inc.

Medum Choe

Saumaya Sharma

St. Marc Materials, Inc.

Chris Hanke

Total Touch

Eric Alexander

Tricolops Technology Inc.

Meng Xi Zhu

Turbines Incorporated

Trey Ransom

Union County W&M

Nick Cremeans

Zebra Technologies

Patrick Tilley

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Looking Forward...

2020 NCWM Interim Meeting

January 26 - 29 | Riverside, California

The Interim Meeting is where our standing committees come together to hear testimony on new proposals brought fourth from the regional meetings as well as carryover items from the previous year. In addition, the committees will determine the status of each item for the voting session of our Annual Meeting in July. Presentations, testimony, and work sessions will occur through the week.

Our committees have their work cut out for them with some very full and diverse agendas. Committee agendas are available at www.ncwm.net/meetings/interim/publication-15.

HOTEL

The Mission Inn Hotel & Spa
3649 Mission Inn Avenue
Riverside, CA 92501
P. (951) 784-0300

Group Rate: \$131

Reservation Discount Deadline: January 2, 2020

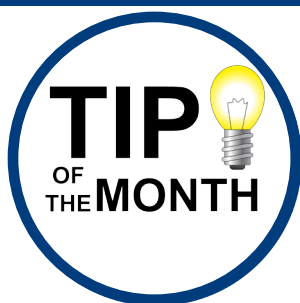


EVENTS

The **Chairman's Reception** will honor Craig VanBuren from the State of Michigan. VanBuren attended Michigan Technological University, earning a Bachelor of Science in Mechanical Engineering. Starting his career in the automotive industry. He first began designing chassis for motor homes and later designing parts for a Tier 1 supplier to Ford Motor Company. VanBuren began work for the State of Michigan as a field Metrologist in 2000. He later transferred into the laboratory after training at NIST in basic, intermediate and advanced mass calibrations. VanBuren became the Metrology Lab manager in 2003 and served in that role until 2010 when he became the Director of the Consumer Protection Section. The Section administers the State's Metrology Lab, Motor Fuels Quality Program and the Weights and Measures Program.

VanBuren has been active in the Central Weights and Measures Association (CWMA) serving currently as a member on their Executive Committee. VanBuren has previously served as Chair for the Credentials Committee for NCWM in 2014 and the NCWM Board of Directors since 2013. The reception will be Sunday, January 26th at 5:30 p.m. *Attire is business casual.*

Be sure to Register Online by December 20 to secure discounted rates!



Filling Up at the Pump: Check that the price at the pump matches the street sign. Make sure the **SALE** and **GALLONS** displays start at zero before you open the nozzle. Touch something metal before grabbing the nozzle to avoid a static electricity fire. Always get a receipt. [Contact your Weights and Measures Official](#) with questions or concerns.

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One Tool and # 1 Inspection Software. WinWam is the most widely used Weights & Measures inspection software on the market. Currently, thirty-one (31) states have purchased WinWam, along with numerous county and city governments.



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WinWam Package Checking Software is designed for W&M officials and quality assurance professionals to perform standard and random inspections in accordance with NIST Handbook 133. WinWam Package Checking Software guides you through the inspection process. Error, MAV, Cost Error are calculated for each test. Color displays allow easy identification of Pass Fail or Gray Areas. Some of the features include:

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- Allow variations due to moisture loss
- Calculates SEL and Standard Deviation
- Dynamically calculates Rc/Rt for tare
- Calculates conversion factors for volume inspections
- Calculates Cost Error, Average Error, Average Cost Error % Error



Device Inspection

WinWam Device Inspection Software is designed to perform and record Handbook 44 inspections. WinWam Device Inspection Software supports all devices specified in Handbook 44 including but not limited to: scales, (apothecary, computing, livestock, shipping, vehicles, etc.) meters, LP Gas, LMD, linear devices, timing devices, etc. Whether acceptance or maintenance WinWam calculates tolerances for nearly all tests.

WinWam Device Inspection Software provides a comprehensive database of business establishments with a complete inventory of devices. Full detail inspection data allows management the ability to better measure economic impact of the W&M program.

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WinWam Price Verification Software is designed in accordance with NIST Handbook 130. The Software runs standalone or with a handheld scanner. Software calculates error, lot cost error, net dollar error and calculates Over / Under Ratio. Accommodates Intentional Under-charge and Not On File.

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In Remembrance...

James C. Truex

September 20, 1952 – March 24, 2019



The weights and measures community has lost a giant in the industry with the death of Jim Truex, Administrator of the National Type Evaluation Program (NTEP) for the National Conference on Weights and Measures (NCWM).

Jim had a long career at the Ohio Department of Agriculture, earning his way up the ranks to Chief of the Ohio Division of Weights and Measures. He held this position for many years, building Ohio's program into what was widely considered one of the elites in the country. He communicated regularly with county inspectors through the Ohio Weights and Measures Association newsletter and was dedicated to supporting them through resources and knowledge. The Ohio Weights and Measures Association was very important to Jim to elevate the professionalism of the county inspection programs. It was also an opportunity for him to develop relationships with the inspectors, gaining their trust and friendship.

Of course, Jim was a national leader as well. While with the Ohio program, he managed the department's NTEP laboratory which specializes in type evaluation of weighing devices. He was involved in the early and ongoing development of NCWM Publication 14 technical policies, checklists and test procedures for type evaluation of weighing instruments. He provided training to other states on the importance and process of verifying that devices in commercial service are traceable to NTEP Certificates of Conformance.

Jim was a mainstay in the Central Weights and Measures Association and the National Conference on Weights and Measures. Between the two organizations, he served on countless committees and work groups, executive committees and the

NCWM Board of Directors. He was the NCWM Chairman in 1995, chaired the NTEP Committee in 1996 and again when called upon in 2006.

In 2008, NCWM decided to move away from contracted association management and hired its own employees. This was a major leap of faith by the Board of Directors, hoping the right people would come forward to take the association to the next level. Jim took that leap with them by applying for the NTEP Administrator position. It was an easy selection for the board. He was qualified like no other for this challenge because of his past experiences, expertise and leadership. Jim understood the challenges faced by the manufacturers, laboratories and regulators. He understood the frustrations and successes up to this point in the NTEP program. And he understood the necessity and challenges ahead with the pending implementation of a Verified Conformity Assessment Program.

Perhaps surprising to some, he also understood the concept of operating like a business where customer service is paramount. He knew the importance to manufacturers that product get into the market as quickly as possible. Jim's impact on NTEP in this area has been extraordinary. Under his leadership, the average time from receiving an NTEP application to issuing a Certificate of Conformance was nearly cut in half. However, he couldn't do this alone. It required the commitment of the authorized laboratories to also take on that customer service attitude and they clearly responded to the challenge. Jim had that effect on people. He inspired those around him to strive to be better.

In the end, Jim Truex will be known for being there; for never saying "no;" for always having answers to the tough questions even when he knew they would be unpopular; for enjoying his work; for his friendship; for remaining forever humble and in the service of others; and above all for the love he had for his wife and family.

In loving memory of Jim Truex from NCWM, our friends and affiliates.

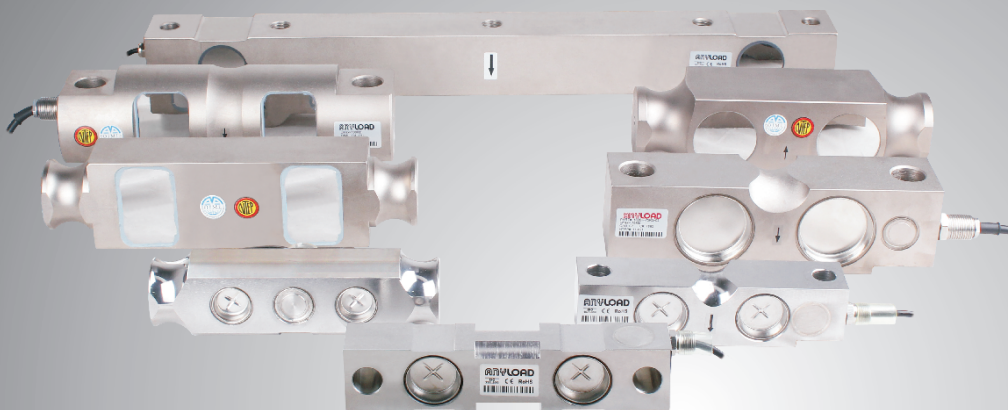
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