



## 2019 Issue 3

Chairman's Column .....	1
Safety Column: "Proper Lifting Techniques" .....	3
2020 NCWM Interim Meeting .....	4
Event Calendar .....	6
NTEP Column: "Welcome New NCWM Staff!" .....	6
NCWM Welcomes New Members .....	7
Looking Forward .....	13
Tip of the Month .....	13
104 <sup>th</sup> NCWM Annual Meeting: Voting Record .....	14

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**Mike Manheim** NTEP Specialist  
**Allen Katalinic** NTEP Evaluator  
**Elisa Stritt** Office Manager  
**Tyler Reeder** Project Coordinator

### Follow Us!



## Chairman's Column

Craig VanBuren, NCWM Chairman — State of Michigan



Dear NCWM Members,

We have had another successful Conference and I would like to thank those in attendance for their participation. Thank you to the State of Wisconsin and the City of Milwaukee for hosting; it is a great city and I'm glad I had the opportunity to see it! Thank you to NCWM staff, the volunteers on the various committees and workgroups, and the NIST staff. Most of all, thank you for entrusting me with leading the Conference over the next year.

In my address, you were able to hear a little of my weights and measures background and how I got to where I am now. My journey has been bolstered by those around me willing to provide guidance, answer questions, and introduce me to those with vast weights and measures knowledge. I really could not have gotten to where I am without their mentorship and I thank them for that.

A reoccurring theme we heard at the Conference, from Constantine's invocation mentioning "commitment", Deputy Secretary Romanski's talk of sharing knowledge, to Dr. Copan's actual recognition of this group as a family, is the support we have within

our weights and measures community. It's amazing how many recognize the unique bond we all share. Frankly, the love I have for the people in weights and measures is what has kept me here through the rough patches of my career. As we develop the strategic plan to meet our overarching goal of 5,000 members by 2025 (5 by 25), one thing is for certain, we need to ensure the type of support I received continues to be there, not only for new members joining, but also not forgetting those here today.

This leads us into my theme for the year, "Building our Future by Sharing Our Knowledge." Our best tool for growing and retaining members is sharing the knowledge we have with others.

My first goal as chairman is to create a mentoring program for NCWM. We have a vast amount of knowledge among us and, from my experience, I know there are many willing to share. You could even consider this one part of a succession plan, not only for the Conference but for weights and measures as a whole. To many like myself, that initial contact and interaction is always the most difficult. If we can facilitate that introduction and get people comfortable with one another more quickly, it will be easier to go to a person with questions. On the mentor's side, this would help give a better idea of where the other needs to grow and can help steer them to a path of success. Please let me know if you would be willing to be a mentor.

My second goal for the year is to create an online marketing plan to share our knowledge with more of the outside world. We have the world at our fingertips, we need to use that power to our benefit and share, not only our knowledge, but our story and our value. As Ron Hayes put it at the toast at the 100th meeting, "We're the most powerful organization no one has ever heard of." We need to make a concerted effort to change that. One of the great ways we've been doing that is with the toolkit videos. I believe we need to create complementing pieces to those. I'll be working with Don and his team to develop and implement online advertising campaigns with specific targets to get the best return on our investment and drive people to our information.

My final goal brings us back to the members. We have heard there are at least two areas where members are asking for training. I will work to find those, and other training opportunities, and bring them to you either here at the Conference, at the regional meetings, or in any other place we can, whether that be online or in-person. As we've seen here the last few years with new items, devices are ever-changing and there is always something new we can learn whether it be a 2-hour class or a 30-minute demonstration. Don't be surprised if I reach out to some of you to provide this, particularly the associate members. I

know we're all busy in our "regular" jobs, so I will do what I can to get you the tools and help you need so we can share that knowledge.

To that end, the NCWM has great opportunity for growth; in size, in scope, in responsibility, and in knowledge. It will not be easy and there will be struggles, but as many in weights and measures programs, particularly in state and local governments, know if there is one thing we are good at, it is adapting and overcoming obstacles.

The success of NCWM is due to the time and effort put in by our many volunteers.

Feel free to contact me if you have questions, ideas, or would like to be a mentor. I look forward to helping the National Conference on Weights and Measures grow!



Craig VanBuren  
NCWM Chairman

***NCWM hats and polos are available for purchase  
at [www.ncwm.net/resource/merchandise](http://www.ncwm.net/resource/merchandise)***

**\$15**



**\$20**



**\$25**



# Safety Column

## Proper Lifting Techniques

Brenda Sharkey, South Dakota



Weights and measures inspectors lift weights daily while conducting inspections. Proper lifting is important to avoid injury. When lifting heavy items, remember to follow proper lifting techniques:

### Proper Lifting

- Stand closely to the load with your feet spread shoulder width apart
- Squat down, bend at the knees (not the waist!)
- Firmly grasp the object before beginning the lift
- Slowly begin straightening your legs, lifting slowly
- Never twist your body during this step

### Awkward Lifting Positions

- Bending while lifting forces the back to support the weight of the upper body in addition to the weight you are lifting. Bending while lifting places strain on the back even when lifting something as light as a screwdriver
- Bending moves the load away from the body and allows leverage to significantly increase the effective load on the back. This increases the stress on the lower spine and fatigues the muscles
- Reaching moves the load away from the back, increases the effective load, and places considerable strain on the shoulders
- Carrying loads on one shoulder, under an arm, or in one hand, creates uneven pressure on the spine

### Possible Solutions

- Move items closely to your body and use your legs when lifting an item from a low location

- Store and place materials that need to be manually lifted and transported at “**power zone**” height, about mid-thigh to mid-chest
- Minimize bending and reaching by placing heavy objects on shelves, tables, or racks. For example, stack spools on pallets to raise them into the power zone
- Avoid twisting while lifting, especially when bending forward. Turn by moving your feet rather than twisting your torso
- Keep elbows close to your body and keep the load as close to your body as possible

### Environmental Factors

- Cold temperatures can cause decreased muscle flexibility which can result in muscle pulls
- Excessively hot temperatures can lead to dehydration, fatigue, and increased metabolic load
- Low visibility or poor lighting increases the chance of trips and falls

### Possible Solutions

- Adjust work schedules to minimize exposure to extreme temperatures
- Wear warm clothing when exposed to cold temperatures
- Drink water to avoid dehydration in excessive heat
- Provide proper lighting for areas with low light and perform work during daylight hours

When inspectors use smart **lifting practices** and work in their “power zone,” they are less likely to suffer from back sprains, muscle pulls, wrist injuries, elbow injuries, spinal injuries, and other injuries caused by lifting heavy objects.

Source: [www.osha.gov/SLTC/etools/electricalcontractors/materials/heavy.html](http://www.osha.gov/SLTC/etools/electricalcontractors/materials/heavy.html)

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## 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](http://www.ncwm.net/resource/employment-opportunities).

If you wish to post employment opportunity information, please send inquiries to [don.onwiler@ncwm.net](mailto:don.onwiler@ncwm.net).



# 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 forth 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 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 will be available at [www.ncwm.net/meetings/interim/publication-15](http://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 and earned a Bachelor of Science in Mechanical Engineering. Starting his career in the automotive industry, he 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 served NCWM Board of Directors since 2013. Previously, he served as Chair for the Credentials Committee for NCWM in 2014. The reception will be Sunday, January 26<sup>th</sup> at 5:30 p.m. *Attire is business casual.*

**Be sure to Register Online by January 2 to secure discounted rates!**





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# EVENT CALENDAR

## 2019

### September

#### NTEP Measuring/Software Mtg.

Denver, Colorado  
September 24 - 26

### October

#### SWMA Annual Meeting

Knoxville, Tennessee  
October 6 - 9

#### NEWMA Interim Meeting

Norwich, Connecticut  
October 15 - 17

#### CWMA Interim Meeting

Springfield, Illinois  
October 21 - 23

## 2020

### January

#### 2020 NCWM Interim Meeting

Riverside, California  
January 26 - 29

### May

#### NEWMA Annual Meeting

Saratoga Springs, New York  
May 4 - 7

#### CWMA Annual Meeting

Wisconsin Dells, Wisconsin  
May 18 - 21

## NTEP Column

Welcome Mike Manheim  
and Allen Katalinic!



Darrell Flocken, NTEP Administrator

The National Type Evaluation Program is pleased to announce the addition of two new staff members.

**Mike Manheim** has accepted the position of NTEP Specialist. Among his duties, he will perform NTEP evaluations of weighing devices and audits for the NTEP Verified Conformity Assessment Program (VCAP). Mike was previously Senior Area Service Manager for Fairbanks Scales. He also has experience as a professional firefighter, law officer and in manufacturing quality control. Mike's email address is [Mike.Manheim@ncwm.net](mailto:Mike.Manheim@ncwm.net).

**Allen Katalinic** has accepted a position with NCWM as NTEP Evaluator of metering devices. Allen was formerly Weights and Measures Program Manager for the North Carolina Department of Agriculture. While there, he was authorized by NTEP as an evaluator of metering devices and became highly regarded for his knowledge and abilities in that field. He will work part-time as an evaluator and will also assist NTEP with his expertise in metering devices. Allen's email address is [Allen.Katalinic@ncwm.net](mailto:Allen.Katalinic@ncwm.net).

We are excited to have these two highly qualified individuals as part of NTEP. Please join me in welcoming them to their new position as NTEP team members!

## Advertise in NCWM-News!

Reach over **2,500** weights and measures professionals

**Details available at**

[www.ncwm.net/resource/newsletter/advertise](http://www.ncwm.net/resource/newsletter/advertise)

# NCWM Welcomes New Members (5/3/2019 - 9/9/2019)

**428 Group**

Matthew Forman

**Afton Chemical Corp.**

Brian Rhode

**Alaska Division of  
Measurement Standards/  
CVE**

Travis Garding  
Aaron Johnson  
Monette Schwoerer

**Archer Daniels Midland  
Company**

Kevin Adlaf

**Arkansas Bureau of  
Standards**

Brad Newberry  
Nikhil Soman

**Belmont County Weights  
and Measures**

Anthony Rocchio

**Brodie International**

Bill Deason

**Broome County W&M**

Brodrick Warner

**California Division of  
Measurement Standards**

Matthew Douglas  
Dean Gottlieb

**City of Milwaukee**

Kandy Perez

**City of Pittsfield**

Sally Carnevale

**City of Springfield**

John Quinn

**Comdata, Inc.**

Kevin Eckelkamp

**Compass Instruments**

Robert Stamp

**Cordano Packaging  
Engineers, LLC**

Ilario Cordano

**County of Monterey**

Jose Chang

**Dune Labs Inc.**

Gallin Chen

**Endress + Hauser**

Darren Whitford

**ET Products LLC**

Franklin Bradley

**First Choice POS**

Moses Moskowitz

**Flint Hills Resources**

Dale Bohn

**Florida Dept. of Ag. &  
Consumer Services**

Ben Adorno  
Luis Alicea-Torres  
Donald Allen  
John Antonio  
Desiree Antonucci  
Ana Arechabaleta  
Zachary Baker  
Christopher Barrow  
Cecil Berryhill  
Dorothy Bloxson  
Dan Brown  
Don Burthe  
John Camp  
Cristopher Cando  
Johana Cando  
Rachel Cantillo  
Roberto Cartaya  
Michael Chandler  
Maria Chong-Qui  
Charles Davidson  
Earl Davis  
Tony Davis  
Rick Deshong  
Rodney Donhoff  
Jenys Douglas  
Brian Eden  
Robert Edwards

Bryon Elf  
David Emig  
Wayne Erato  
Guy Esposito  
Deivys Fernandez  
Steven Gallas  
Kevin Gaudin  
Edgar Gonzalez  
Juan Gonzalez  
Charles Gray  
Benjamin Hair  
Winston Hamilton  
Austin Hamm  
Thomas Hayford  
James Hindall  
Jetur Johnson  
James Karlson  
Randolph Khunjar  
William Koskinen  
Frank Kovacs  
Greg Krabill  
John Lamb  
Gordon Learn  
Pietro Longano  
Bobby Maroney  
Julian Martin  
Yashica Martinez  
William Masur  
Darryl Mauney  
Sean McGrail  
Marvin Miller  
Kathryn Murphy  
William Murtagh  
Juma Mussa  
Charles Myer  
Evan Nickell  
Mark Nowatka  
Sullivan Palermo  
Ana Perez  
Steven Reese  
Camilo Rojas  
Tommy Rosario  
Jaucady Rutledge  
Karl Sauerwein  
Joseph Scobbo  
Michael Scott  
Amy Smith  
Carl Smith  
Chloe Smith  
William Snipes  
Mark Snyder

William Sommer  
Kimberly Sorenson  
John Soteropoul  
Juan Suarez  
Richard Swiss  
Howard Tucker  
Karen Tyler  
Edward Underhill  
Ashley Williams  
Christine Wood  
Kathleen Wyatt

**Flyers Energy LLC**

Mike Teske

**Georgia Department of  
Agriculture**

Cedric Lloyd

**Hamilton County**

Jeff Rushforth

**Hardy Process Solutions**

Debra Lawson

**IMAC Systems**

Kenneth Shum

**Invenco Group Limited**

Salvatore Salamoni

**Ioline Corporation**

Kevin Reed

**Iowa Central Fuel Testing  
Laboratory**

Don Heck  
Rhonda Jones

**Jefferson County Auditor**

E.J. Conn

**Johnson County Weights  
& Measures**

Gregory Nelson

*Continued on next page*



**Levridge**  
Keith Bangasser

**LinenMaster, LLC**  
Scott Stuart

**Locosc Ningbo Precision Technology Co. Ltd.**  
Minghai Lu

**Louisiana Department of Agriculture and Forestry**  
Beth Aucoin  
Rebecca Davis  
David Deroche  
Ulysses Ortiz

**M&M Label Co.**  
Mary Micheli

**Maine Department of Agriculture, Conservation and Forestry**  
Richard Sirois

**Marathon Petroleum Company**  
Robert Foguth

**Maryland Department of Agriculture**  
Eric Richardson

**Mettler-Toledo**  
Marc Wolff

**Minnesota Department of Weights and Measures**  
Valare Falkner

**Montgomery County Weights & Measures**  
Jim Wolf

**NCR**  
David Fields

**NCWM**  
Allen Katalinic  
Mike Manheim

**Nebraska: FSCP-Weights and Measures**  
Andrew Montayne

Stephen Eppens  
Brian Maser

**Nevada Division of Consumer Equitability**  
Robert Gilkerson  
Javier Marin  
John Fowler

**New Mexico Department of Agriculture**  
Uriel Fuentes  
Andrew Lucero  
Frankie Melgar

**New York Department of Agriculture and Markets**  
Jeremy Best

**Niagara County Weights & Measures**  
Patrick Kenney

**NIST, OWM**  
Breyanna Blackwell  
Isabel Chavez  
Micheal Hicks

**North Carolina Department of Agriculture**  
Joseph Chandler  
Luke Craven  
Walter Creech  
Erik Harrell  
Ronald Prater  
Josh Overman  
Mark Smagner

**Northampton County Weights & Measures**  
Dave Dreisbach

**Orange Photonics**  
Stephanie McArdle  
John Taylor

**PEI**  
Scott Boorse

**Pennsylvania Department of Agriculture, Bureau of Weights and Measures**  
Keith Fryslin  
Luke Marcy

Tisin Tomy  
Keith Wright

**POET Biorefining**  
Kari Cook

**Posnet, Inc.**  
Seok Kim

**Rappahannock Petroleum, LLC**  
Shannon Dodson

**San Diego County Department of Agriculture, Weights and Measures**  
Garrett Cooper

**San Luis Obispo County Weights and Measures**  
Ismael Guzman-Berdejo

**Sartorius**  
James Palmer

**Schenectady County Department of Finance**  
James D'Allaird

**Siemens Industry**  
John Dronette

**Sierra Pacific Industries**  
David Bowman

**Steinlite Corporation**  
Casey Frakes

**Swisca AG**  
Andreas Kleiner

**Texas Department of Agriculture**  
Steven Argullin  
Nathan Leake

**The Lubrizol Corporation**  
Joy Black

**The Perfect Shipping**  
Henry Gratzner

**The Steinlite Corporation**  
Gordon Elliott

**Utah Department of Agriculture and Food**  
Jeffrey Cowlshaw  
Elizabeth Howells  
Mark Jensen  
Andria Scott  
Adele Young

**Washington State Patrol**  
Nicholas Gilbert

**West Virginia Weights and Measures, Division of Labor**  
Thomas Bell  
Steven Nehls  
Jacob Woodrum

**Wingfield Scale & Measure**  
Matt Sturdivant

**Wisconsin Department of Agriculture and Consumer Protection**  
Darren Leone  
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Marco Alberto Beretta  
Jing Yuan

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- Allow variations due to moisture loss
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- Calculates conversion factors for volume inspections
- Calculates Cost Error, Average Error, Average Cost Error % Error



## Device Inspection

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# Looking Forward...

## 105<sup>th</sup> NCWM Annual Meeting

July 12 - 16, 2020 | Tacoma, Washington

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.

Committee agendas will be available at [www.ncwm.net/meetings/annual/publication-16](http://www.ncwm.net/meetings/annual/publication-16).

### **HOTEL**

Hotel Murano  
1320 Broadway Plaza  
Tacoma, WA 98402

**Group Rate:** \$124

**Reservation Discount Deadline:** June 19, 2020

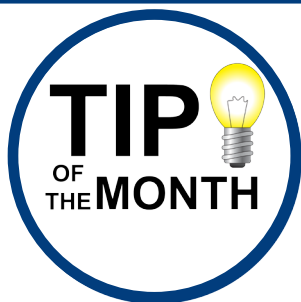


### **EVENTS**

The **Chairman's Reception** will honor NCWM Chairman Craig VanBuren from the State of Michigan. The reception will be Sunday, July 12<sup>th</sup>, at 5:30 p.m. Dress is business casual.

The **Special Event** on Wednesday, July 15<sup>th</sup> will be announced closer to the meeting date.

**Be sure to Register Online by  
June 19 to secure discounted rates!**



**Comparing Price and Quantity:** Weights and Measures Inspectors test packages to verify net quantity based on the labeled contents. This allows consumers to compare price and quantity with confidence, knowing that they are getting what they pay for at the supermarket. [Contact your weights and measures authority](#) with questions or concerns.



# Voting Record of the 104<sup>th</sup> NCWM Annual Meeting

Item	House of State Representatives	House of Delegates	Result
Board of Directors			
To Accept the Report	Voice Vote		Adopted
Laws & Regulations Committee			
Consent Calendar: MOS-7, MOS-8, WAM-5, ODR-2, FLR-1, FLR-7, NET-4, NET-5, NET-8	Yea: 39 Nay: 0	Yea: 68 Nay: 0	Adopted
MOS-5	Yea: 31 Nay: 8	Yea: 53 Nay: 19	Adopted
MOS-11 To Hear Amendment:	Yea: 34 Nay: 2	Yea: 42 Nay: 28	Adopted
MOS-11 To Amend	Yea: 35 Nay: 3	Yea: 59 Nay: 10	Adopted
MOS-11 As Amended	Yea: 38 Nay: 0	Yea: 57 Nay: 8	Adopted
Block 4: MOS-6 & FLR-6 To Hear Amendment	Yea: 35 Nay: 2	Yea: 54 Nay: 18	Adopted
Block 4: MOS-6 & FLR-6 To Amend	Yea: 39 Nay: 0	Yea: 69 Nay: 1	Adopted
Block 4: MOS-6 & FLR-6 As Amended	Yea: 38 Nay: 0	Yea: 68 Nay: 1	Adopted
Priority Item: E15	Yea: 35 Nay: 0	Yea: 58 Nay: 4	Adopted
NET-6	Yea: 38 Nay: 0	Yea: 67 Nay: 1	Adopted
NET-7	Yea: 39 Nay: 0	Yea: 63 Nay: 6	Adopted
To Accept the Report	Voice Vote	Adopted	To Accept the Report
Specifications & Tolerances Committee			
Consent Calendar: AWS-3, Block 3, Block 4, Block 5, LMD-3, LPG-2, MFM-2, MFM-4, EVF-4, TXI-1, GMA-2	Yea: 39 Nay: 0	Yea: 71 Nay: 0	Adopted
SCL-1	Yea: 38 Nay: 0	Yea: 72 Nay: 0	Adopted
LMD-5	Yea: 38 Nay: 1	Yea: 68 Nay: 1	Adopted
VTM-1	Yea: 16 Nay: 22	Yea: 34 Nay: 36	Returned to Committee
HGM-6	Yea: 36 Nay: 0	Yea: 68 Nay: 1	Adopted
OTH-5	Yea: 25 Nay: 14	Yea: 42 Nay: 27	Returned to Committee
BCS-1	Yea: 37 Nay: 1	Yea: 66 Nay: 1	Adopted
To Accept the Report	Voice Vote		Adopted
Professional Development Committee			
To Accept the Report	Voice Vote		Adopted
National Type Evaluation Committee			
To Accept the Report	Voice Vote		Adopted
Nominating Committee			
To Elect the Slate of Officers as Presented in the Report	Voice Vote		Adopted

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