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Chairman's Column

Craig VanBuren, NCWM Chairman — State of Michigan



Dear NCWM Members,

I hope this message finds you well! This has not been the chairmanship I was expecting. We had hoped to have a plan to move forward and grow the conference over the coming years. Instead, we need to focus on preserving what we have. We will face some challenges in the way we conduct business over the next several months, but we are committed to finding what works both for the advancement of weighing and measuring issues and for the members.

Our bylaws stand silent on the allowance of holding meetings electronically, but they do say we are to follow *Robert's Rules of Order*. This document expressly prohibits the use of electronic meetings.

Therefore, the 105th NCWM Annual Meeting was held on July 15, 2020, in Michigan with a small gathering of our members from my staff (see photo below).

The meeting agenda was as follows:

- Call to Order
- Motion to adjourn due to lack of quorum to Sunday, January 10, 2021, at 9:00 a.m. at the Sirata Beach Hotel and Conference Center at St. Pete Beach, Florida
- Adjourn

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105th NCWM Annual Meeting / Lansing, Michigan

L to R: Scott Ferguson, Rianne Hartman, Robert DeRubeis,
NCWM Chairman Craig VanBuren, Tim White, Dalton Potter

Follow Us!



In January, we will reconvene the NCWM Annual Meeting and, in the interest of time, will only address voting items and hold our business meeting. There are currently nine voting items on the Laws and Regulations Committee's agenda and 15 items on the Specifications and Tolerances Committee's agenda. We want to ensure all items are given due process so we will be sure to take any time needed on that Monday to thoroughly address all those items.

Before the meeting in January, the committees will hold several virtual meetings to continue to work on all items and receive input from the membership. Notices of these will be sent to all members and you must register for each. I strongly encourage each of you to be a participant in this process. We cannot move forward without involvement from everyone. All standing committee members will continue in their current role through the conclusion of the Annual Meeting in January.

After we have completed the Annual Meeting in January, we will start the 2021 NCWM Interim Meeting to address the remaining committee agenda items, including any new items brought forward this year. New committee members, found in Chairman-Elect Mr. Hal Prince's article, will then join each of the standing committees.

As for me, the NCWM Bylaws state that the Chairman and Chairman-Elect shall serve for one year, after which the present Chairman will move to the Past Chairman position and the Chairman-Elect becomes Chairman. Therefore, Mr. Hal Prince will become Chairman after we meet in Michigan and adjourn.

Though I did not accomplish all I had hoped, I have enjoyed being a part of the leadership of this organization and I look forward to seeing where the future leads. In the meantime, if you have any questions about the process as we move forward, please do not hesitate to reach out to me.

Thank you for electing me to lead the National Conference on Weights and Measures. It has been an honor. I hope we can say "hello" to each other, in person, soon! I look forward to seeing you all in St. Pete Beach in January!



January 2021 NCWM Meetings Schedule:

105th NCWM ANNUAL MEETING

Sunday, January 10

- Morning: Task group & subcommittee meetings
- Afternoon: Task group & subcommittee meetings
- Evening: Chairman's Reception

Monday, January 11

- Morning: Open Hearings
(*voting items only*)
- Afternoon: Committee Work Sessions
(*voting items only*)
- Evening: Addendum Sheets available
(*voting items only*)

Tuesday, January 12

- Morning: Regional Meetings
- Afternoon: Voting Session & Annual Business Meeting
- Adjourn the 105th NCWM Annual Meeting

2021 NCWM INTERIM MEETING

Wednesday, January 13

- Morning: Open Hearings (all remaining items)
- Afternoon: Open Hearings (cont.)

Thursday, January 14

- Morning: Open Hearings (as needed)
- Afternoon: Committee Work Sessions

Friday, January 15 (morning)

- Technical Session
- Joint Committee Meeting
- Adjourn

Safety Column

Back to Your Health

Elizabeth Koncki (MD), Safety Liaison



What are the benefits and means of keeping your back healthy on the job? Here we will explore how to minimize strain on your back while bending, lifting and twisting.

Scope of the Issue

The Bureau of Labor Statistics (BLS) (2018 data) show approximately 1 of 5 injuries/illnesses are back injuries. The National Safety Council estimates that there were over 400,000 back injuries in the workplace in 2013, which translates to a cost of between \$6 to \$8 billion*.

Therefore, back injuries are a high risk factor for many people and the prevention of such injuries must be addressed.

Prevention

First determine whether it is necessary to manually lift an object by yourself. There are many resources available to move loads. If the equipment is available, use it. Such items include a forklift, jack, lift table, and cart. This is using Engineering Controls to reduce risk. Also, accept assistance of others. Even holding a door is helpful. Or asking the delivery driver to place the package on the cart, instead of on the floor. Also, to provide adequate grip on the object, use straps, grips, and slings. Add to the control by using a glove with a good grip and fit. Same with the bail handle on a 5-gallon hand-held test measure. Add a rubber grip for a firm handhold. Finally, see if the load can be reconfigured, by opening the case or taking out the smaller boxes and moving each box one at a time.

Person Protective Equipment (PPE) for back support (i.e. back belts, back braces) can be considered after studying the task (formal or informal job safety analysis), review, and training on the PPE. Remember, PPE is not a substitute for proper lifting technique and is only effective when used in conjunction with proper lifting technique.

The 6 L's of Lifting

While there are several versions, I prefer this one as it is easy to remember and covers the basics:

#1 LOAD

- Check the load before you lift it! It could be bulky or have an uneven weight that may shift during the lift.
- Know the weight of the load and get help if it is too heavy (team lift or lift equipment).



#2 LEGS

- Lift with your legs, not your back!
- Large leg muscles are for lifting and squatting. Our back muscles are thin and long, not ideal for lifting.
- A bit of anecdote: When I was athletic, I could leg press 3 times my body weight, squat 2 times, and only bench 1.5 times.

#3 LUNGS

- Exhale when you do something difficult!
- Before lifting the load, tighten abdominal muscles. Breathe out through tightened lips as you lift.
- Remember to breathe

#4 LOW BACK

- Do not slouch your shoulders! Maintain the hollow of your lower back.
- Keep your upper back straight throughout the lift.

#5 LEVER ARM

- Keep the load close to your body! Force = Weight x Distance. Therefore, the closer the load is to your body, the less it weighs. Re-box/reconfigure load if possible.
- Move as close to the load as possible; spread your legs apart and carry the load close to you.

#6 LOOK UP

- Look up just before your lift! Your body follows the posture of your neck and head
- Looking up will keep your back aligned correctly.
- Looking down will slouch your back.

Continued on page 4

Safety Column (cont.)

Remember

- 1) Do not twist the back! Pivot feet instead of twisting your back-especially when moving a load to prevent injury. Know where obstacles are before your lift.
- 2) Push, don't pull! If you have the option, always push. Pulling usually requires twisting your back to watch where your movement.
- 3) Pace yourself! Give yourself adequate time. Once you get tired, you will probably get sloppy with your lifting technique, causing injury. Be sure to take breaks and stay rested. Don't be tempted to overload yourself.
- 4) Modify when needed! In reality, it is nearly impossible to do each of the 6 L's every time you lift. It is important to understand the 6 L's so you can modify your technique to prevent back injuries.

What to Avoid

Back injuries result from exceeding the capability of the parts of the back; muscle, tendon, and disc. Also, there may be a cumulative effect of multiple contributors. Consider the following on or off the job:

- Reaching/Twisting/Bending while lifting.
- Poor posture--how one sits or stands. Maintaining bent posture.
- Poor body mechanics--how one lifts, pushes, pulls, or carries objects.
- Repeat lifting of awkward items, equipment, etc.
- Heavy lifting.
- Fatigue.
- Lifting with forceful movement.
- Poor layout of job site or work station.
- Poor footing--slippery floors, or constrained posture.
- Vibration--forklift drivers, truck drivers, etc.
- Poor physical condition--losing the strength and endurance to perform physical tasks without strain.
- Stressful living and working activities. Includes staying in one position for too long.

Use this article as a guide during challenges you face in the workplace. I encourage you to help your health by keeping safety on your mind and using the 6 L's of Lifting.

*Acknowledgment to National Safety Council (NSC) public material tip sheets for June 2013 National Safety Month.

Hint: June is National Safety Month. Each June NSC provides posters, tip sheets, articles, and graphics for the public.

**Acknowledgment to BLR Safety Tips "Back Safety in the Workplace" 2020, <https://www.blr.com/safetytips/back-safety>



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NTEP Column

NTEP VCAP Update

Mike Manheim, NTEP Specialist



I hope this newsletter finds you healthy and safe during these unprecedented times.

First off, I would like to introduce myself as the NTEP Specialist for the NCWM. Some of my responsibilities will include NTEP evaluations of weighing devices and audits for VCAP. I look forward to working with you and your company in the future.

Many NTEP certified devices must meet *NIST Handbook 44* requirements for influence factors. It is not possible to verify these requirements during the Initial Verification in the field. Therefore, manufacturers of metrological devices (instruments) and/or components (modules) which are subject to influence factors, as defined in *NIST Handbook 44*, must have a **Verified Conformity Assessment Program (VCAP)** in place to ensure that these metrological devices and/or components are produced to perform at a level consistent with that of the device and/or component previously certified.

For weighing devices subject to influence factors, NTEP will require an initial on-site audit of the manufacturer's quality system and on-site random testing and/or review of a production device(s) (instrument(s)) by the Registrar to verify that all items are currently implemented and functioning to verify compliance to the appropriate sections of *NIST Handbook 44*.

Devices which meet this requirement are limited to:

- Load Cell (T.N.8.)
- Indicating Elements (T.N.8.)
- Weighing/Load Receiving Elements 2000 lb capacity and less with non-NTEP Load Cells (T.N.8.)
- Complete Scales 2000 lb capacity and less (T.N.8.)
- Automatic Weighing Systems 2000 lb capacity and less (T.7.)

- Belt-Conveyor Scales (weigh-belt systems only) 2000 lb capacity and less (T.3)
- Automatic Bulk Weighing Systems 2000 lb capacity and less (T.7.)

Over the last couple of months, I have been updating our VCAP records per NTEP Policy by reaching out to the Manufacturing and Private Label certificate holders requesting a copy of the VCAP audit report if not on file with the NCWM. Hopefully, this requirement is not new to you or your company, but in case it is I have provided a link to the web site below which will explain the VCAP requirements.

Visit www.ncwm.com/vcap for more details.

NCWM offers auditing services performed by NTEP personnel trained in this requirement. Contact info@ncwm.com with your request.

If you need any assistance with VCAP, please contact darrell.flocken@ncwm.com.

VCAP Policy Updates

I would like to recap some VCAP policy updates which have been adopted. The changes can be found in the 2020 edition *NCWM Publication 14: Administrative Policy*. The change in VCAP requirements applies to both Manufacturing and Private Label certificate holders starting January 1, 2020:

- 1) During the November 2019 NTEP Committee meeting a recommended change was adopted to add "2000 lb capacity and less" to Weighing/load Receiving Elements, Complete Scales, Automatic Weighing Systems, Belt-Conveyor Scales and Automatic Bulk Weighing Systems.
- 2) During the January 2020 NTEP Committee meeting a recommended change was adopted for Belt-Conveyor Scales to limit VCAP to "weigh-belt systems only".

If you have any questions or would like to discuss the contents of this column, please contact me at mike.manheim@ncwm.com.

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New Chairman's Column

Hal Prince, New NCWM Chairman — State of Florida

Well, to say the least, this has been an interesting start to the year! I may very well be the first NCWM Chairman ever to begin their term before the NCWM Annual Meeting. Regardless of the unconventional way the year has begun, I am thrilled that the membership of this prestigious organization has entrusted me with the Chairmanship and look forward to an exciting and productive twelve months.

Over the past year, I have been considering themes for the coming year. There were several I thought would be both challenging and inspiring, but as the events of the progressing global pandemic have spread from being a mere annoyance to a human and economic tragedy. Another theme keeps bubbling to the surface. I have heard this phrase bantered around and I am beginning to disdain the phrase. But try as I might, I can't come up with anything more descriptive of the times we are experiencing - a new normal! Over the past six months I have had numerous occasions to discuss, conference call, video chat, etc. with Weights and Measures officials and our industry partners across the country and virtually every one of them are wondering how their businesses and programs will ultimately be impacted. State, Federal and Local budgets have been diminished to varying degrees, hiring and equipment purchases have been put on hold, our world has undoubtedly changed!

I apologize for the dark ramblings, but the good news is that we have all weathered this before. There really is a new normal and we have seen it coming for a while now, consumer buying preferences have been slowly changing and the business community is adapting. No longer is there face-to-face contact with a local merchant. The pandemic has rocketed the move to e-commerce to the forefront! New products, devices and methods of sale are coming into the marketplace as never before, the importance of fair standards and equity in all transactions is at an all-time high.

With all the changes coming our way, there has never been a greater need for the NCWM, its members, associate members, federal partners, and stakeholders to work together to "Measure Up to the New Normal". This is dynamic group of professionals has the resources to overcome any challenge and pave new paths into the future. Our world is changing, and we must adapt to meet the challenges while holding to our commitment of confidence in every transaction and equity in the marketplace.

During the next year, contingent on our ability to meet either in person or virtually, I hope to continue to build on some of the projects that have already been started and venture into some new ones. In early March, the Board of Directors began meeting with our NIST partners to build on the skeleton of the strategic plan and made some solid progress. If we can continue this, I believe we will come out the other end with a strategic plan that will ensure the viability of both NIST and the NCWM well into the future.

Continued on page 8



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The recent events associated with the COVID-19 pandemic have revealed several shortcomings and stumbling blocks to conducting the business of the corporation in our current Bylaws and business practices. We need to be better prepared for unusual circumstances like we are now experiencing so I intend to appoint a Bylaw Review Committee to work through these known and yet to be identified issues and make recommendations for changing and updating. This new committee will report their recommendations to the board of directors and the board will bring them before the NCWM membership for discussion and implementation. My next goal has been discussed before, but I continue to hear the need for the NCWM to be a resource for the jurisdictions and for industry. Many states and local jurisdictions don't have the resources to conduct their own training, but; it is an essential foundation for all weights and measures programs. The board of directors will be focusing on developing training material and programs to bolster the jurisdictions. I would love to hear your ideas about what will and will not work for your particular jurisdiction and industry, please share your thoughts and ideas with me.

As Chairman VanBuren has described, the standing committees, sub-committees and task groups will continue their work using electronic media and conference calls, until the rescheduled 105th Annual Meeting, being held in January. I am disappointed we were not able to make it to Tacoma, Washington in July, but I am ecstatic you will all be coming to my home state of Florida in the beautiful St. Pete Beach area this coming January. Stay tuned for more on Tacoma! I am sure that the committees can make the best of the time as they continue their work.

Since we couldn't have a face to face meeting in Tacoma, I am announcing my appointments by way of this article and not as I normally would during the annual business meeting:

Laws and Regulations Committee

- Tory Brewer (WV) – 5yr.

- Stephen Benjamin (NC)
- Gene Robertson (MS)
- James Cassidy (MA)
- Mahesh Albuquerque (CO)

Specifications and Tolerances Committee

- Jason Flint (NJ) – 5yr.
- Nick Owen (OH) – 5yr.

Parliamentarian

- Lou Straub (Fairbanks Scales)

Professional Development Committee

- Ethan Bogren (NY) – 5yr.

Chaplain

- Gene Robertson (MS)

Credentials Committee

- Brian Snodgrass (WV) – 3yr.

Presiding Officers

- Ethan Bogren
- Tim Chesser (AR)
- Scott Simmons (CO)
- Mike Harrington (IA)

Safety Liaison

- Lori Jacobson (ret.)

Nominating Committee (1yr. terms)

- Craig VanBuren (MI) – Chair
- Ivan Hankins (IA)

Sergeant-at-Arms

- TBD (NY)

Thank you to all the new and returning committee members, volunteers and participants, it's your dedication and hard work that make the NCWM the dynamic organization that it is!

I hope to see you all (in person) soon at one of the regional meetings and especially at the combined Annual and Interim meetings this coming January in St. Pete Beach, Florida!



EVENT CALENDAR

2020

August

NTEP Grain Meeting
August 11 | ONLINE

NTEP Software Meeting
August 12 | ONLINE

NTEP Weighing Meeting
August 18 | ONLINE

September

NTEP Measuring Meeting
September 22 - 23 | ONLINE

2021

January

**Reconvening of the
105th NCWM Annual Meeting**
St. Pete Beach, Florida
January 10 - 12

2021 NCWM Interim Meeting
St. Pete Beach, Florida
January 13 - 15

July

106th NCWM Annual Meeting
Rochester, New York
July 18 - 22

September

WWMA Annual Meeting
Golden, Colorado
TBD

Coming Up!

2021 NCWM Interim Meeting

January 10 - 15 | St. Pete Beach, Florida

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 voting session of our Annual Meeting in July. Presentations, testimony, and work sessions will occur through the week.

Committee agendas will be available at www.ncwm.com/publication-15.

MEETING LOCATION

Sirata Beach Resort & Conference Center
5300 Gulf Blvd
St. Pete Beach, FL 33706

Group Rate: \$139

Reservation Discount Deadline: December 15, 2020

EVENTS

The **Chairman's Reception** will honor Mr. Hal Prince from the State of Florida. The reception will be Sunday, January 10th, at 5:30 p.m. *Dress is business casual.*

Register Online today at

www.ncwm.com/events-detail/2021-interim-FL

December 15

Deadline to secure discounted rates!

Employment Opportunities

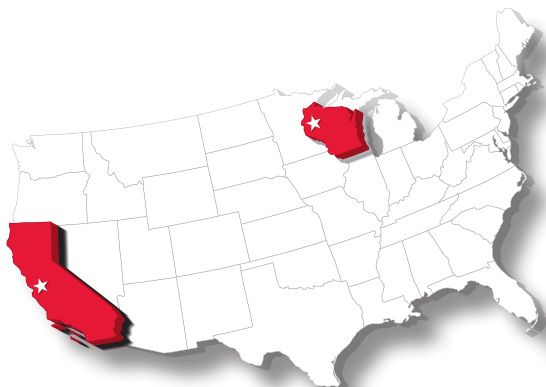
NCWM is proud to serve the weights and measures community, both private and public sectors, by listing employment opportunities. Any organization that maintains memberships with NCWM may request positions be posted online for public viewing at www.ncwm.com/employment-opportunities.

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Dave Albrecht

Agriculture and Consumer Protection Specialist
Jeremias Hodge

Agri-Mark, Inc.
Robert Fradette

Alaska Department of Transportation & PF
James Cotenias

Alaska Division of Measurement Standards/ CVC
Justin Rosa

Assured Automation / Flows.com
Justin Rosa

BEUMER Group
Lars Ole Christensen

BLH Nobel
Ric Rummel

California Department of Food and Agriculture
Jose Barragan
Rod Christopher
Gretchen Englebrecht
Antionatte Shipman

Canadian Centre for Legal Metrology
Paul Rivers

Cavagna North America
Robert Panaro

City of Newark
Arthur Skinner

City of Somerville
James Halloran

Clark Associates
JosephMattos

Cooling and Applied Technology, Inc.
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Dairy Farmers of America
Brandon Meiwes

Delaware Dept. of Agriculture
David Farmer
Casey Irvin
Thomas Taglienti

DieboldNixdorf
Edmund Sideravage

Dsweaver Consulting, LLC
Drew Weaver

Education
Jeane Oyola

Florida Department of Ag. and Consumer Services
Ashley Bevans
Brian Blumel
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Kayla Slusher

Power Service Products
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Michael Moore

Protec Coating Company
David Maas

Restaurant Technologies
Thomas Kolman
Jamison Kortas

Shell Chemicals Company
Michael Updike

Solid Packaging Robotik
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- Calculates Cost Error, Average Error, Average Cost Error % Error



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