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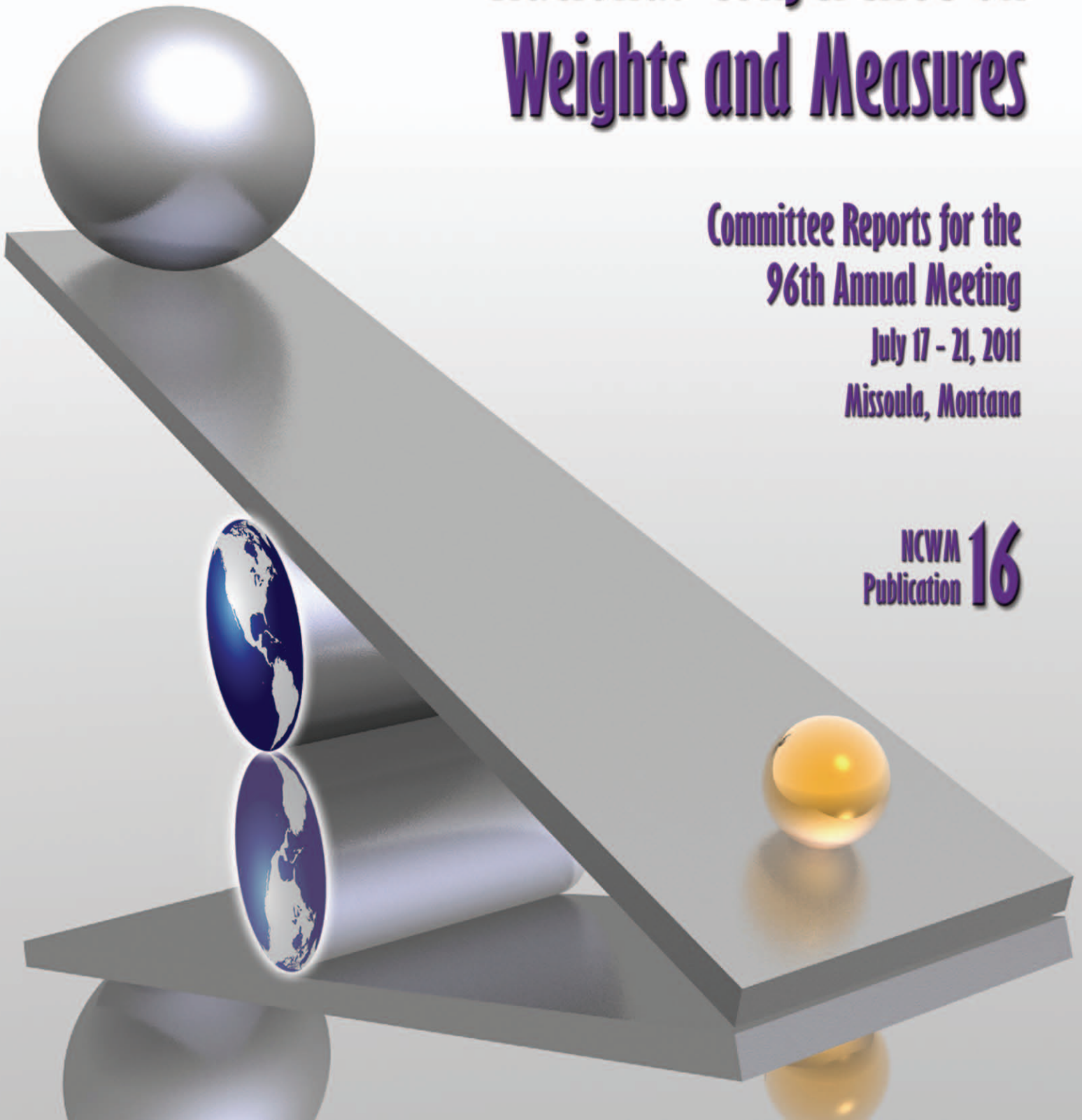
National Conference on Weights and Measures

Committee Reports for the
96th Annual Meeting

July 17 - 21, 2011

Missoula, Montana

NCWM
Publication **16**



Placeholder for Inside Front Cover



Committee Reports for the 96th National Conference on Weights and Measures

*Prepared in coordination and cooperation with the NIST Weights and Measures Division and
the National Conference on Weights and Measures 2011*

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NCWM Publication **16**
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The National Conference on Weights and Measures is supported by the National Institute of Standards and Technology and is attended by officials from various states, counties, cities, as well as representatives from U.S. Government, other nations, industry, and consumer organizations.

The National Conference on Weights and Measures Overview

The National Conference on Weights and Measures, Inc. is a standards development organization for weights and measures regulatory agencies of the states, counties, and cities of the United States, as well as for federal agency use. The Annual Meeting of the Conference brings together government officials and representatives of business, industry, trade associations, and consumer organizations for the purpose of hearing and discussing subjects that relate to the field of weights and measures technology and administration.

The programs of the National Conference on Weights and Measures and its committees explore the broad area of this economically important segment of governmental regulatory service. The Conference develops and recommends laws and regulations, technical codes for weighing and measuring devices used in commerce, test methods, enforcement procedures, and administrative guidelines for adoption by regulatory agencies in the interest of promoting uniformity of requirements and methods among state and local jurisdictions.

A major objective of the National Conference on Weights and Measures is to foster understanding and cooperation among weights and measures officials and all industrial, business, and consumer interests. The Conference has been cited on numerous occasions for its outstanding success.

The National Institute of Standards and Technology (NIST) has statutory responsibility for “cooperation with the states in securing uniformity of weights and measures laws and methods of inspection.” In partial fulfillment of this responsibility, the Institute is pleased to publish this document for the Conference.

The policy of NIST is to use metric units of measurement in all of its publications; however, in this publication, recommendations received by the NCWM technical committees have been printed as they were submitted and, therefore, may contain references only to inch-pound units. Opinions expressed in non-NIST papers are those of the authors and not necessarily those of NIST. Non-NIST contributors are solely responsible for the content and quality of their material.



National Conference on Weights and Measures

Annual Meeting of the 96th NCWM

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*The L&R Appendices will not be printed in the hardcopy of Publication 16 for the meeting attendees. The appendix can be viewed online at: <http://www.ncwm.net>, or at the NIST Weights and Measures Website at: <http://www.nist.gov/pml/wmd/pubs/pub16-11.cfm>.

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*Appendix C will not be printed in the hardcopy of Publication 16 for the meeting attendees. The appendix can be viewed online at: <http://www.ncwm.net>, or at the NIST Weights and Measures Website at: <http://www.nist.gov/pml/wmd/pubs/pub16-11.cfm>

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*Sector summaries can be viewed online at: <http://www.ncwm.net> under Meetings, or the NIST Weights and Measures site at: <http://www.nist.gov/pml/wmd/pubs/pub16-11.cfm>

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National Conference on Weights and Measures

“That Equity May Prevail”

Dear Friends,

Welcome to the 96th Annual Meeting of the National Conference on Weights and Measures, July 17 - 21 in Missoula, Montana. Our location combines the beauty of the Rocky Mountains on the shore of the Clark Fork River with downtown food and entertainment all within walking distance.

Our theme this year has been “*Educating Today for Tomorrow.*” We are at the brink of some exciting opportunities for training that will help weights and measures professionals to keep pace with new innovations, technology, and marketing practices. In keeping with that theme, we have added three technical meetings to Sunday afternoon that will give attendees a chance to become more informed on rising issues and participate in developing recommendations for those issues. These meetings will be held concurrently.

- Task Group on Retail Motor Fuel Dispenser Price Posting and Computing Capability
- Task Group on Printer Ink and Toner Cartridges
- Fuels and Lubricants Subcommittee

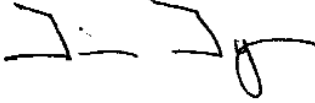
We also have very interesting presentations scheduled for Tuesday afternoon.

- Grocery Unit Pricing in the United States: Dave Sefcik of NIST Weights and Measures Division will be joined by Ian Jarratt of Queensland Consumers Association in Australia who will provide some international perspective.
- Hydrogen Gas Measuring Systems: Kristin Macey of the California Department of Food and Agriculture. Ms. Macey was involved in the development of the Hydrogen Gas Measuring Systems tentative code that was added to NIST Handbook 44 last year. She will educate us on the requirements that will apply to these commercial devices already in service in many states.

These sessions combined with the business of open hearings and voting to amend our national standards make for an important week. To bring a little relaxation into the mix, we have a great evening planned at the Dunrovin Ranch. In addition to great food, there will be horseback rides, live music, line dancing, fly casting, calf roping lessons, and more.

I look forward to seeing you in Montana this summer. It will be a great opportunity to conduct our business while enjoying natural beauty surrounding Missoula.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tim Tyson', with a stylized flourish at the end.

Tim Tyson
NCWM Chair

Past Chairmen of the Conference

44 th	1959	C. M. Fuller, CA	70 th	1985	Ezio F. Delfino, CA
45 th	1960	H. E. Crawford, FL	71 st	1986	George E. Mattimoe, HI
46 th	1961	R. E. Meek, IN	72 nd	1987	Frank C. Nagele, MI
47 th	1962	Robert Williams, NY	73 rd	1988	Darrell A. Guensler, CA
48 th	1963	C. H. Stender, SC	74 th	1989	John J. Bartfai, NY
49 th	1964	D. M. Turnbull, WA	75 th	1990	Fred A. Gerk, NM
50 th	1965	V. D. Campbell, OH	76 th	1991	N. David Smith, NC
51 st	1966	J. F. True, KS	77 th	1992	Sidney A. Colbrook, IL
52 nd	1967	J. E. Bowen, MA	78 th	1993	Allan M. Nelson, CT
53 rd	1968	C. C. Morgan, IN	79 th	1994	Thomas F. Geiler, MA
54 th	1969	S. H. Christie, NJ	80 th	1995	James C. Truex, OH
55 th	1970	R. W. Searles, OH	81 st	1996	Charles A. Gardner, NY
56 th	1971	M. Jennings, TN	82 nd	1997	Barbara J. Bloch, CA
57 th	1972	E. H. Black, CA	83 rd	1998	Steven A. Malone, NE
58 th	1973	George L. Johnson, KY	84 th	1999	Aves D. Thompson, AK
59 th	1974	John H. Lewis, WA	85 th	2000	G. Weston Diggs, VA
60 th	1975	Sydney D. Andrews, FL	86 th	2001	Lou Straub, MD
61 st	1976	Richard L. Thompson, MD	87 th	2002	Ron Murdock, NC
62 nd	1977	Earl Prideaux, CO	88 th	2003	Ross J. Andersen, NY
63 rd	1978	James F. Lyles, VA	89 th	2004	Dennis Ehrhart, AZ
64 th	1979	Kendrick J. Simila, OR	90 th	2005	G. Weston Diggs, VA
65 th	1980	Charles H. Vincent, TX	91 st	2006	Don Onwiler, NE
66 th	1981	Edward H. Stadolnik, MA	92 nd	2007	Michael Cleary, CA
67 th	1982	Edward C. Heffron, MI	93 rd	2008	Judy Cardin, WI
68 th	1983	Charles H. Greene, NM	94 th	2009	Jack Kane, MT
69 th	1984	Sam F. Hindsman, AR	95 th	2010	Randy Jennings, TN

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National Conference on Weights and Measures / National Type Evaluation Program
2010 - 2011 Organizational Chart



NCWM Board of Directors			
OFFICE	NAME	AFFILIATION	TERM ENDS
Chairman	Tim Tyson	Kansas	2011
Chairman-Elect	Kurt Floren	Los Angeles County, California	2011
NTEP Committee Chair	Randy Jennings	Tennessee	2011
Treasurer	Judy Cardin	Wisconsin	2011
Active Membership - Western	Brett Saum	San Luis Obispo County, California	2012
Active Membership - Central	Ronald Hayes	Missouri	2015
Active Membership - Southern	Stephen Benjamin	North Carolina	2013
Active Membership - Northeastern	Michael Sikula	New York	2014
At-Large	Mark Coyne	City of Brockton, Massachusetts	2011
At-Large	Stephen Langford	Cardinal Scale Manufacturing, Co.	2013
Associate Membership	Gordon Johnson	Gilbarco, Inc.	2013
Honorary NCWM President	Dr. Patrick D. Gallagher	NIST, Director	NA
Executive Secretary	Carol Hockett	NIST, Weights and Measures Division	NA
Executive Director	Don Onwiler	NCWM Headquarters	NA
Board of Directors Advisor	Gilles Vinet	Measurement Canada	NA
NTEP Administrator	Jim Truex	NCWM Headquarters	NA
National Type Evaluation Program Committee (NTEP)			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	Randy Jennings	Tennessee	2011
Member	Tim Tyson	Kansas	2012
Member	Brett Saum	San Luis Obispo County, California	2012
Member	Kurt Floren	Los Angeles County, California	2013
Member	Michael Sikula	New York	2014
NTEP Administrator	Jim Truex	NCWM Headquarters	NA
Finance Committee			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	Kurt Floren	Los Angeles County, California	2012
Member	Stephen Benjamin	North Carolina	2013
Member	Judy Cardin	Wisconsin	2011
Member	Gordon Johnson	Gilbarco, Inc.	2013
Executive Director	Don Onwiler	NCWM Headquarters	NA

Laws and Regulations Committee (L&R)			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	John Gaccione	Westchester County, New York	2012
Member	Joe Benavides	Texas	2011
Member	Jonelle Brent	Illinois	2013
Member	Raymond Johnson	New Mexico	2014
Member	Tim Lloyd	Montana	2015
Associate Membership Representative	Rob Underwood	Petroleum Marketers Association of America	2013
Canadian Technical Advisor	Lance Robertson	Measurement Canada	NA
NIST Technical Advisor	David Sefcik	NIST, Weights and Measures Division	NA
NIST Technical Advisor	Lisa Warfield	NIST, Weights and Measures Division	NA
Professional Development Committee (PDC)			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	Stacy Carlsen	Marin County, California	2012
Member	Vacant		2011
Member	Julie Quinn	Minnesota	2013
Member	Dale Saunders	Virginia	2014
Member	Cheryl Ayer	New Hampshire	2015
Associate Membership Representative	Steven Grabski	Wal-Mart Stores, Inc.	2013
Safety Liaison	Vacant		
NIST Technical Advisor	Vacant		
Specifications and Tolerances Committee (S&T)			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	Steve Giguere	Maine	2012
Member	Douglas Deiman	Alaska	2011
Member	Kenneth Ramsburg	Maryland	2013
Member	Paul Moyer	Nebraska	2014
Member	Brett Gurney	Utah	2015
Canadian Technical Advisor	Ted Kingsbury	Measurement Canada	NA
NIST Technical Advisor	Tina Butcher	NIST, Weights and Measures Division	NA
NIST Technical Advisor	Rick Harshman	NIST, Weights and Measures Division	NA

Nominating Committee			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	Randy Jennings	Tennessee	2011
Member	Judy Cardin	Wisconsin	2011
Member	Charles Carroll	Massachusetts	2011
Member	Thomas Geiler	Barnstable Regulatory Services, Massachusetts	2011
Member	Joe Gomez	New Mexico	2011
Member	Maxwell Gray	Florida	2011
Member	Steven Malone	Nebraska	2011
Credentials Committee			
OFFICE	NAME	AFFILIATION	TERM ENDS
Committee Chair	James Cassidy	City of Cambridge	2011
Member	Richard Lewis	Georgia	2012
Member	Mahesh Albuquerque	Colorado	2013
Coordinator	Vicky Dempsey	Montgomery County Weights and Measures, Ohio	2013
Appointive Officials			
OFFICE	NAME	AFFILIATION	TERM ENDS
Chaplain	Stephen Langford	Cardinal Scale Manufacturing, Co.	2011
Parliamentarian	Louis Straub	Fairbanks Scale, Inc.	2011
Presiding Officer	Nicholas Brechun	Colorado	2011
Presiding Officer	Tim Chesser	Arkansas	2011
Presiding Officer	Rachelle Miller	Wisconsin	2011
Presiding Officer	Jack Walsh	Town of Wellesley, Massachusetts	2011
Sergeants-at-Arms	Randy Jones	Montana	2011
Sergeants-at-Arms	Don Reimer	Montana	2011
Associate Membership Committee			
OFFICE	NAME	AFFILIATION	TERM ENDS
Chair	Robert Murnane, Jr.	Seraphin Test Measure	2011
Vice Chair	Christopher Guay	Procter and Gamble, Co.	2011
Secretary / Treasurer	Darrell Flocken	Mettler-Toledo, Inc.	2011
Member	Kathleen Madaras	Fuel Merchants Association of New Jersey	2011
Member	Paul Hoar	AgriFuels, LLC/NBB	2012
Member	Darrell Flocken	Mettler-Toledo, Inc.	2013
Member	Michael Gaspers	Farmland Foods, Inc.	2013
Member	Paul A. Lewis, Sr.	Rice Lake Weighing Systems, Inc.	2014
Member	Robert Murnane, Jr.	Seraphin Test Measure	2014
Member	Steven Grabski	Wal-Mart Stores, Inc.	2015
Member	Christopher Guay	Procter and Gamble, Co.	2015
Member	Thomas McGee	PMP Corporation	2015
Member	Rob Underwood	Petroleum Marketers Association of America	2015

NTETC Belt-Conveyor Sector		
OFFICE	NAME	AFFILIATION
Chair	Bill Ripka	Thermo Fisher Scientific
Technical Advisor	John Barton	NIST, Weights and Measures Division
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	Tina Butcher	NIST, Weights and Measures Division
Public Sector Member	Ken Jones	California
Private Sector Member	Rafael Jimenez	Association of American Railroads Transportation Technology Center, Inc.
Private Sector Member	Lars Marmsater	Merrick Industries, Inc.
Private Sector Member	Peter Sirrico	Thayer Scale/Hyer Industries
Private Sector Member	Thomas Vormittag	
NTETC Grain Analyzer Sector		
OFFICE	NAME	AFFILIATION
Chair	Cassie Eigenmann	DICKEY-john Corporation
Technical Advisor	John Barber	J B Associates
Technical Advisor	G. Diane Lee	NIST, Weights and Measures Division
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	Randall Burns	Arkansas
Public Sector Member	Tina Butcher	NIST, Weights and Measures Division
Public Sector Member	Karl Cunningham	Illinois
Public Sector Member	Thomas Hughes	Missouri
Public Sector Member	Richard Pierce	USDA, GIPSA Technical Services Division
Public Sector Member	Edward Szesnat	New York
Public Sector Member	Cheryl Tew	North Carolina
Private Sector Member	James Bair	North American Miller's Association
Private Sector Member	Martin Clements	The Steinlite Corporation
Private Sector Member	Victor Gates	Shore Sales Company
Private Sector Member	Andrew Gell	Foss North America
Private Sector Member	Charles Hurburgh, Jr.	Iowa State University
Private Sector Member	David James Krejci	Grain Elevator and Processing Society
Private Sector Member	Jess McCluer	National Grain and Feed Association
Private Sector Member	Thomas Runyon	Seedburo Equipment Co.

NTETC Measuring Sector		
OFFICE	NAME	AFFILIATION
Chair	Michael Keilty	Endress + Hauser Flowtec AG, USA
Technical Advisor	Marc Buttler	NIST, Weights and Measures Division
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	Dennis Beattie	Measurement Canada
Public Sector Member	Jerry Butler	North Carolina
Public Sector Member	Tina Butcher	NIST Weights and Measures Division
Public Sector Member	Michael Frailer	Maryland
Public Sector Member	James (Steve) Hadder	Florida
Public Sector Member	Dan Reiswig	California
Private Sector Member	William (Rodney) Cooper	Tuthill Transfer Systems
Private Sector Member	Mike Gallo	Cleanfuel USA
Private Sector Member	Paul Glowacki	Murray Equipment, Inc.
Private Sector Member	Gordon Johnson	Gilbarco, Inc.
Private Sector Member	Dmitri Karimov	Liquid Controls
Private Sector Member	Yefim Katselnik	Dresser Wayne
Private Sector Member	Douglas Long	RDM Industrial Electronics
Private Sector Member	Andrew MacAllister	Daniel Measurement and Control
Private Sector Member	Wade Mattar	Invensys/Foxboro
Private Sector Member	Richard Miller	FMC Technologies Measurement Solutions, Inc.
Private Sector Member	Andre Noel	Neptune Technology Group, Inc.
Private Sector Member	Henry Oppermann	Weights & Measures Consulting, LLC
Private Sector Member	Johnny Parrish	Brodie International
Private Sector Member	Richard Tucker	RL Tucker Consulting, LLC

NTETC Software Sector		
OFFICE	NAME	AFFILIATION
Co-Chair	Norman Ingram	California
Co-Chair	James Pettinato	FMC Technologies Measurement Solutions, Inc.
Technical Advisor	Doug Bliss	Mettler-Toledo, Inc.
Secretary	Teri Gulke	Liquid Controls, LLC
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	Dennis Beattie	Measurement Canada
Public Sector Member	Michael Frailer	Maryland
Public Sector Member	Michael Kelley	Ohio
Public Sector Member	Edward Payne	Maryland
Public Sector Member	John Roach	California
Public Sector Member	Ambler Thompson	NIST, Weights and Measures Division
Private Sector Member	John Atwood	Tyson Foods
Private Sector Member	Kevin Detert	Avery Weigh-Tronix
Private Sector Member	Cassie Eigenmann	DICKEY-john Corporation
Private Sector Member	Andre Elle	Endress + Hauser Flowtec AG
Private Sector Member	Andrew Gell	Foss North America
Private Sector Member	Keith Harper	Gencor Industries, Inc.
Private Sector Member	Tony Herrin	Cardinal Scale Manufacturing Co.
Private Sector Member	Paul A. Lewis, Sr.	Rice Lake Weighing Systems, Inc.
Private Sector Member	Rick Lydon	Sick, Inc.
Private Sector Member	Michael McGhee	Itron, Inc.
Private Sector Member	Richard Miller	FMC Technologies Measurement Solutions, Inc.
Private Sector Member	Michael Parks	Vulcan Materials Company
Private Sector Member	Mike Roach	VeriFone
Private Sector Member	Robin Sax	CompuWeigh Corporation
Private Sector Member	Chris Scott	Gilbarco, Inc.
Private Sector Member	Scott Szurek	Emerson Process Management
Private Sector Member	David Vande Berg	Vande Berg Scales

NTETC Weighing Sector		
OFFICE	NAME	AFFILIATION
Chair	Darrell Flocken	Mettler-Toledo, Inc.
Technical Advisor	Rick Harshman	NIST, Weights and Measures Division
NTEP Administrator	Jim Truex	NCWM Headquarters
Public Sector Member	L. Cary Ainsworth	USDA, GIPSA
Public Sector Member	William Bates	USDA, GIPSA, FGIS
Public Sector Member	Luciano Burtini	Measurement Canada
Public Sector Member	Tina Butcher	NIST, Weights and Measures Division
Public Sector Member	Terry Davis	Kansas
Public Sector Member	Fran Elson-Houston	Ohio
Public Sector Member	Ken Jones	California
Public Sector Member	Jack Kane	Montana
Public Sector Member	Edward Payne	Maryland
Public Sector Member	Dan Reiswig	California
Public Sector Member	Juana Williams	NIST, Weights and Measures Division
Private Sector Member	Steven Beitzel	Systems Associates, Inc.
Private Sector Member	Greg Bredahl	Thermo Fisher Scientific
Private Sector Member	Neil Copley	Thurman Scale Co.
Private Sector Member	Mitchell Eyles	Flintec, Inc.
Private Sector Member	Robert Feezor	Scales Consulting and Testing
Private Sector Member	Scott Henry	NCR Corporation
Private Sector Member	Sam Jalahej	Totalcomp, Inc.
Private Sector Member	Rafael Jimenez	Association of American Railroads Transportation Technology Center, Inc.
Private Sector Member	Stephen Langford	Cardinal Scale Manufacturing, Co.
Private Sector Member	Paul A. Lewis, Sr.	Rice Lake Weighing Systems, Inc.
Private Sector Member	L. Edward Luthy	Stock Equipment Company/Schenck Process Transport N.A.
Private Sector Member	Nigel Mills	Hobart Corporation
Private Sector Member	Louis Straub	Fairbanks Scales, Inc.
Private Sector Member	Jerry Wang	A&D Engineering, Inc.
Private Sector Member	Walter Young	Emery Winslow Scale Company

Western Weights and Measures Association (WWMA) www.westernwma.org					
States	Alaska	Colorado	Montana	Oregon	Wyoming
	Arizona	Hawaii	Nevada	Utah	
	California	Idaho	New Mexico	Washington	
Contact	Kristin Macey California Department of Food and Agriculture			(916) 653-6649 kmacey@cdfa.ca.gov	
Annual Meeting	Date: September 25 - 29, 2011			San Luis Obispo, California	
Central Weights and Measures Association (CWMA) www.cwma.net					
States	Illinois	Kansas	Missouri	Ohio	
	Indiana	Michigan	Nebraska	South Dakota	
	Iowa	Minnesota	North Dakota	Wisconsin	
Contact	Vicky Dempsey Montgomery County Weights and Measures			(937) 225-6309 dempseyv@mcoho.org	
Annual Meeting	May 16 - 19, 2011			Grand Rapids, Michigan	
Interim Meeting	September 12 - 15, 2011			Cedar Rapids, Iowa	
Southern Weights and Measures Association (SWMA) www.swma.org					
States	Alabama	Florida	Maryland	South Carolina	Virginia
	Arkansas	Georgia	Mississippi	Tennessee	West Virginia
	Delaware	Kentucky	North Carolina	Texas	
	District of Columbia	Louisiana	Oklahoma	U.S. Virgin Islands	
Contact	Stephen Benjamin North Carolina Department of Agriculture			(919) 733-3313 steve.benjamin@ncagr.gov	
Annual Meeting	Date: October 23 - 26, 2011			Norfolk, Virginia	
Northeastern Weights and Measures Association (NWMA) www.newma.us					
States	Connecticut	New Hampshire	Pennsylvania	Puerto Rico	
	Maine	New Jersey	Rhode Island		
	Massachusetts	New York	Vermont		
Contact	James Cassidy City of Cambridge Weights and Measures Dept.			(617) 349-6133 jcassidy@cambridgema.gov	
Annual Meeting	May 9 - 12, 2011			Saratoga Springs, New York	
Interim Meeting	October 12 - 13, 2011			Norwich, Connecticut	



NCWM 96th Annual Meeting

July 17 - 21, 2011

Holiday Inn Downtown at the Park • Missoula, Montana

Schedule of Events

(as of 03/31/11 – final schedule to be distributed on-site)

Saturday, July 16, 2011

		Location
8:30 a.m. - 5:00 p.m.	NCWM Board of Directors Meeting	Montana Boardroom

Sunday, July 17, 2011

9:00 a.m. - 11:30 p.m.	NCWM Board of Directors Meeting	Montana Boardroom
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11:30 a.m. - 12:45 p.m.	Welcome Luncheon for New Attendees	Parlor D
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First-time attendees are invited to a complimentary luncheon with informal presentations and open discussion to get acquainted with the organization and procedures of the National Conference on Weights and Measures.

Host:

Tim Tyson, NCWM Chair
Director of Weights and Measures, Kansas Department of Agriculture
Topeka, KS

11:00 a.m. - 5:00 p.m.	Registration and Table Top Exhibits	Big Sky Atrium
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1:00 p.m. - 1:30 p.m.	Joint Meeting – All Standing Committees	Ballroom Parlor A
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1:30 p.m. - 4:00 p.m.	Task Group and Subcommittee Sessions	
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	Task Group on Retail Motor Fuel Dispenser Price Posting and Computing Capability	Jefferson/Gallatin
--	--	--------------------

Jeff Humphreys, Task Group Chair
Deputy Director, Los Angeles County Agriculture Commission
South Gate, CA

	Task Group on Packaged Printer Ink and Toner Cartridges	Madison
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Maureen Henzler, Task Group Chair
Public Service Administrator II, Weights and Measures Division, Kansas Department of Agriculture
Topeka, KS

	Fuels and Lubricants Subcommittee	Glacier/Yellowstone
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Ron Hayes, Subcommittee Chair
Director, Weights and Measures Division, Missouri Department of Agriculture
Jefferson City, MO



NCWM 96th Annual Meeting

July 17 - 21, 2011

Holiday Inn Downtown at the Park • Missoula, Montana

Schedule of Events

(as of 03/31/11 – final schedule to be distributed on-site)

Sunday, July 16, 2011 (continued)

Location

(NOTE: The times for Technical Meetings may be extended if the Standing Committees have completed their agenda review before arriving to the Interim Meeting.)

4:00 p.m. - 5:00 p.m.	Standing Committees' Agenda Review Board of Directors/NTEP Committee Professional Development Committee Specifications & Tolerances Committee Laws & Regulations Committee	Montana Boardroom Madison Jefferson/Gallatin Glacier/Yellowstone
5:30 p.m. - 7:00 p.m.	Chairman's Reception	Big Sky Atrium

Monday, July 18, 2011

7:00 a.m. - 9:00 a.m.	Continental Breakfast	Big Sky Atrium
7:00 a.m. - 5:00 p.m.	Registration and Table-top Exhibits	Big Sky Atrium
8:30 a.m. - 5:00 p.m.	Official Session – Open Hearings	Garden City Ballroom

Presiding Officer:

Note: Committee Hearings will occur in the order presented. Times of each hearing are not firm; when one Committee finishes, the next Committee will begin.

Nicholas Brechun

*Measurement Standards Retail Program Administrator,
Colorado Department of Agriculture
Denver, CO*

Specifications & Tolerances Committee

Steve Giguere, Committee Chair
*Program Manager, Main Department of Agriculture
Augusta, ME*

Laws & Regulations Committee

John Gaccione, Committee Chair
*Director, Westchester County New York Weights and
Measures
West Plains, NY*

Board of Directors

Tim Tyson, NCWM Chair
*Director of Weights and Measures, Kansas Department of
Agriculture
Topeka, KS*



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Monday, July 18, 2011 (continued)

		Location
8:30 a.m. - 5:00 p.m.	Official Session – Open Hearings (continued)	Garden City Ballroom
	NTEP Committee	
	Randy Jennings , Committee Chair <i>Executive Assistant, Tennessee Department of Agriculture Nashville, TN</i>	
	Professional Development Committee	
	Stacy Carlsen , Committee Chair <i>Agriculture Commissioner/Director of Weights and Measures, Marin County Weights and Measures Novato, CA</i>	
12:00 p.m. - 1:30 p.m.	Lunch (<i>on your own</i>)	
1:30 p.m. - 5:00 p.m.	Official Session – Open Hearings (continued as necessary)	Garden City Ballroom
	Board of Directors Meeting/NTEP Committee	Montana Boardroom
	Laws & Regulations Committee	Glacier/Yellowstone
	Professional Development Committee	Madison
	Specifications and Tolerances Committee	Jefferson/Gallatin
5:00 p.m. - 6:30 p.m.	Associate Membership Committee	Garden City Ballroom

Tuesday, July 19, 2011

7:00 a.m. - 9:00 a.m.	Continental Breakfast	Big Sky Atrium
7:00 a.m. - 4:00 p.m.	Registration and Table-top Exhibits	Big Sky Atrium
8:00 a.m. - 12:00 p.m.	Official Session – Open Hearings (continued as necessary)	Garden City Ballroom
	Presiding Officer:	
	Rachel Miller <i>Weights and Measures Field Supervisor, Wisconsin Department of Agriculture and Consumer Protection Madison, WI</i>	
8:00 a.m. - 12:00 p.m.	General Session (at conclusion of open hearings)	Garden City Ballroom
	Pledge of Allegiance & Invocation	
	Stephen Langford , Conference Chaplain <i>Vice President of Engineering Services, Cardinal Scale Manufacturing Company Webb City, MO</i>	



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Tuesday, July 19, 2011 (continued)

Location

Welcoming Address

Garden City Ballroom

Jack Kane

*Administrator, Montana Department of Labor & Industry,
Business Standards Division*

Helena, MT

President's Address

Dr. Charles H. Romine

*Acting Associate Director for Laboratory
Programs/Principal Deputy, NIST*

Gaithersburg, MD

Chairman's Address

Tim Tyson, NCWM Chair

*Director of Weights and Measures, Kansas Department of
Agriculture*

Topeka, KS

Awards Ceremony

12:00 p.m. - 1:30 p.m.

Lunch (on your own)

1:30 p.m. - 3:30 p.m.

Topic: Grocery Unit Pricing in the United States

This session will provide an overview of assessment of grocery unit pricing in the United States. It will include the evolution of unit pricing, current adoption by states, consumer preferences, opportunities to improve existing regulations, and a proposal regarding metric unit pricing for wine, distilled spirits, and other products. The session will also include presentations from Canada and Australia on their research and lessons learned regarding their approach and implementation to unit pricing.

Presenters:

David Sefcik

*Weights and Measures Coordinator, NIST Weights and
Measures Division*

Gaithersburg, MD

Ian Jarratt

*Queensland Consumers Association
Australia*

Technical Sessions (continued)

Garden City Ballroom

3:30 p.m. - 3:45 p.m.

Break



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Tuesday, July 19, 2011 <i>(continued)</i>		Location
	Technical Sessions <i>(continued)</i>	Garden City Ballroom
3:45 p.m. - 4:30 p.m.	Topic: The U.S. Hydrogen Measuring System: The Turning Point? <i>Predictions are for 50 thousand hydrogen and 1 million electric vehicles on the U.S. roadways by 2015. As strides are made toward cleaner, fossil-free forms of energy, weights and measures officials must be prepared to regulate refueling devices and new fuel products. This presentation will focus on the progress of hydrogen fuel technology and also its competitor, electricity.</i> Presenter: Kristin Macey <i>Director, California Department of Food and Agriculture Sacramento, CA</i>	
8:00 p.m.	Addendum Sheets will be available in the Registration area no later than 8:00 p.m.	Big Sky Atrium
Wednesday, July 20, 2011		
7:00 a.m. - 9:00 a.m.	Continental Breakfast	Big Sky Atrium
7:00 a.m. - 3:30 p.m.	Registration and Table-top Exhibits	Big Sky Atrium
9:00 a.m. - 12:00 p.m.	Regional Association Meetings Northeastern Weights and Measures Association Southern Weights and Measures Association Central Weights and Measures Association Western Weights and Measures Association	Ballroom Parlor A Ballroom Parlor B Ballroom Parlor C Ballroom Parlor D
12:00 p.m. - 1:00 p.m.	Lunch <i>(on your own)</i>	
1:00 p.m. - 4:30 p.m.	General Voting Session – Voting on Committee Reports <i>The Voting Sessions are held Wednesday afternoon through Thursday morning. Committee Chairs reserve the right to group items and select their sequence for presentation on voting. There will be no break between committee reports; registrants should plan to attend an entire voting session to ensure their presence when items of interest are likely to be under consideration.</i> Presiding Officer: Tim Chesser <i>Assistant Deputy Director, Arkansas Bureau of Standards Little Rock, AR</i>	Garden City Ballroom



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Wednesday, July 20, 2011 (*continued*)

Location

Parliamentarian:

Garden City Ballroom

Louis Straub

*Regulatory Affairs Consultant, Fairbanks Scales, Inc.
Southport, NC*

Professional Development Committee

Stacy Carlsen, Committee Chair

*Agriculture Commissioner/Director of Weights and
Measures, Marin County Weights and Measures
Novato, CA*

Specifications & Tolerances Committee

Steve Giguere, Committee Chair

*Program Manager, Maine Department of Agriculture
Augusta, ME*

Laws & Regulations Committee

John Gaccione, Committee Chair

*Director, Westchester County New York Weights and
Measures
West Plains, NY*

5:30 p.m. - 9:30 p.m.

A Taste of Montana

Dunrovin Ranch is nestled along the Bitterroot River at the feet of the Sapphire Mountains with beautiful views of Lolo Peak and serves as the setting for our evening of food and fun. Horseback riding, fly casting and calf roping lessons, and line dancing are just a sample of the unique opportunities you will experience. Throw in a BBQ with a Montana twist and it has the makings for an unforgettable evening.

Thursday, July 21, 2011

7:00 a.m. - 9:00 a.m.

Continental Breakfast

Big Sky Atrium

7:00 a.m. - 10:00 a.m.

Registration

Big Sky Atrium

9:00 a.m. - 12:00 p.m.

General Voting Session – Voting on Committee Reports

Garden City Ballroom

Presiding Officer:

Jack Walsh

Sealer of Weights and Measures, Town of Wellesley, MA



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Thursday, July 21, 2011 (continued)

Location

General Voting Session – Voting on Committee Reports (continued) Garden City Ballroom

Parliamentarian

Louis Straub

*Regulatory Affairs Consultant, Fairbanks Scales, Inc.
Southport, NC*

NTEP Committee

Randy Jennings, Committee Chair

*Executive Assistant, Tennessee Department of Agriculture
Nashville, TN*

Board of Directors

Tim Tyson, NCWM Chair

*Director of Weights and Measures, Kansas Department of
Agriculture
Topeka, KS*

Nominating Committee

Judy Cardin, Committee Chair

*Chief, Weights and Measures, Wisconsin Department of
Agriculture and Consumer Protection
Madison, WI*

Closing Ceremony

Passing of the Gavel

Tim Tyson, Outgoing Chair

*Director of Weights and Measures, Kansas Department of
Agriculture
Topeka, KS*

New Chairman's Address

Kurt Floren, NCWM Chair

*Agriculture Commissioner/Weights and Measures Director,
Los Angeles County Department of Agriculture
Arcadia, CA*

Benediction

Stephen Langford, Conference Chaplain

*Vice President of Engineering Services, Cardinal Scale
Manufacturing Co.
Webb City, MO*



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Thursday, July 21, 2011 *(continued)*

Location

12:00 p.m.

Adjourn

Garden City Ballroom

General Conference Information

Purpose

The purpose of the Annual Meeting is to provide:

- (1) All members the opportunity to offer comments to the committees on items printed in the Interim Reports.
- (2) All voting delegates an opportunity to vote on committee recommendations.

Orientation Luncheon for First-time Attendees

Sunday, July 17, 2011
11:30 a.m. - 12:45 p.m.

All attendees who are participating for the first time are encouraged to attend the complimentary orientation luncheon on Sunday. This session acquaints attendees with the organization and procedures of the Conference. Others may observe, but lunch service is limited to first-time attendees.

Guide to the Interim Committee Reports

The Interim Committee Reports are provided in order for members to know the recommendations of Committees prior to the Annual Meeting. The Reports include Reference Key numbers for the following Committees:

Committee Reference Keys

Board of Directors	100 series
Laws and Regulations Committee	200 series
Specifications and Tolerances Committee	300 series
Professional Development Committee	400 series
National Type Evaluation Program Committee	500 series
Nominating Committee	800 series

The Committee Reports contain recommendations and information on items discussed at the Interim Meeting held during the week of January 23 - 26, 2011, in Dallas, Texas. These reports form the basis for conduct of the committee meetings. Each committee will address the items in its report during the open hearings beginning on Monday, July 18, 2011.

Item Categories

The status of each item contained in the Committee Reports is designated as one of four major categories:

1. **Information Items** report on subjects and/or actions under consideration by the Committee but not proposed for voting. An "I" follows the item number.
2. **Voting Items** are items for which the Committee is making recommendations requiring a vote by the Active Members. The recommended language to be voted on is in **bold face type**. A "V" follows the item number.

Some voting items are considered individually; the remainder may be grouped in a "Consent Calendar." **Consent Calendar Items** are voting items that the committees, just prior to the voting sessions, assemble as a single voting item on the assumption that they are non-controversial. The voting items that have been grouped into the Consent Calendar Items will be listed on the Addendum Sheets; they are designated only as voting items in this book.

General

3. **Developing Items** have the designation “D” to indicate an item has merit; however, the item was returned to the submitter for further development before any action can be taken at the national level.
4. **Withdrawn Items** have the designation “W” to indicate the item has been removed from consideration by the Committee.

Each committee reserves the right to shift items among the four categories (voting, information, developing, and withdrawn), except that items which are marked information, developing, or withdrawn cannot be shifted to voting status. Prior to making a motion for a vote, a committee may move selected items from the Consent Calendar to be voted on individually. However, any change from the Interim Report (as contained in this document) or from what appears on the Addendum Sheets will be explained to the attendees prior to a motion and will be acted upon by the membership prior to calling for the vote.

Modifications to Committee Reports will be documented in the form of Addendum Sheets prepared by the committees following the general sessions and will be available to the attendees no later than 8:00 p.m. on Tuesday, July 19. Committee Reports may be further modified as a result of actions taken by the membership at the voting sessions on July 20 - 21, 2011.

Written Comments or Oral Statements

Any person or organization wanting to present a prepared statement at one of the committee sessions should make the request in writing to the Executive Secretary. Reasonable limitations on time allotted for presentations will be imposed. (**Note:** Only registered attendees may make presentations.)

Written comments, suggestions, and data relative to these reports must be received by the Executive Secretary or appropriate Technical Advisor by June 3, 2011. Address all comments to the National Institute of Standards and Technology, Weights and Measures Division, 100 Bureau Drive, STOP 2600, Gaithersburg, MD 20899-2600.

Final Report

Final Committee Reports will be prepared by the committees and published in the Report of the 96th Annual Meeting of the National Conference on Weights and Measures, 2011. Each member of the National Conference on Weights and Measures will receive a copy of this publication; other interested parties can receive a copy by request to the Executive Secretary.

All Meetings are Open Unless Posted

All sessions of Conference meetings are normally open to registered attendees of the Conference. If a committee must discuss any issue that involves proprietary information (e.g., NTEP appeals) or other confidential material, that portion of the session dealing with the special issue may be closed provided that: (1) the Conference Chairman or, in his absence, the Chairman-Elect approves; (2) the Executive Secretary is notified; and (3) an announcement of the closed meeting is posted on or near the door to the meeting session and on the announcement board at the registration desk. If at all possible, the posting will be done at least a day prior to the planned closed session. Please note that a one-day notice will not be possible if a closed meeting is called on Sunday. Since participants may make their travel reservations in order to attend technical meetings scheduled for Sunday, every effort will be made to limit any required closed meetings to only part of Sunday.