



WEIGHLOG

SCALE MANUFACTURERS ASSOCIATION, INC.

6724 Lone Oak Blvd. • Naples, Florida 34109

<http://www.scalemanufacturers.org>

FALL-WINTER 2003

SMA MEMBER COMPANIES

Avery Weigh-Tronix, Inc.

Cardinal Scale Mfg. Company

John Chatillon & Sons, Inc.

FANCOR, Inc.

Hobart Corporation

Hottinger Baldwin Measurements

LTS Scale Corporation

McKesson Automation Systems

Measurement Systems International, Inc.

Mettler-Toledo, Inc.

Sartorius Corporation

Systems Associates, Inc.

Vishay Transducers

Daryl Tonini Ends 29 Years as SMA Technical Director

A true milestone occurred in the 58 year history of the Scale Manufacturers Association at its recently completed Fall Meeting. Daryl Tonini, who will have served as Technical Director for the Association, and Chairman of the SMA Technical Committee, for half of its existence, 29 years, announced his retirement effective January, 2004.



Mr. Tonini joined SMA in 1975 during a time of great turmoil and reorganization. The Association was hard pressed to keep up with the many happenings in the area of U.S. Legal Metrology. It had many committees and sub-committees with ad-hoc chairmen who operated on a rotational basis. The Association felt it had to focus its efforts and resources on where it could most effectively protect its interests while attempting to assure equity in the marketplace. It abolished virtually all of the committees and consolidated their activities in a Technical Committee. To insure continuity of focus and coordination of efforts, it hired a Technical Director, Mr. Tonini, who would serve as Chair of the Technical Committee and would, as Technical Director, serve as the official and persistent SMA Liaison to those National, State, and Local Weights and Measures jurisdictions in which SMA had an interest.

A big job required big shoes and Daryl Tonini filled those shoes. He has accomplished his missions for SMA in such a thorough, courteous, and straight forward manner that SMA and its views are not only welcome, but are highly valued and regarded, in those many jurisdictions to which he has attended over these many years.

We fondly and appreciatively bid Daryl adieu and wish him happiness, contentment, and an abiding sense of deep satisfaction, as he contemplates a career well executed and a life well lived. We also send along our best wishes, love, and thanks to Shirley Tonini, Daryl's wife of these past 50 years.

SMA TECHNICAL COMMITTEE UNDER NEW MANAGEMENT ARRANGEMENT

OFFICERS

President

Robert J. Schuller
Hobart Corporation

Vice President

Richard G. Norden
FANCOR, Inc.

Immediate Past President

David R. Castle
Avery Weigh-Tronix, Inc.

Executive Director

Robert A. Reinfried
SMA

DIRECTORS

Term expires 2004

Todd Manifold
Mettler-Toledo, Inc.

Term expires 2005

Stephen Langford
Cardinal Scale Mfg. Co.
Richard G. Norden
FANCOR, Inc.
David R. Castle
Avery Weigh-Tronix, Inc.

Term expires 2006

Robert J. Schuller
Hobart Corporation
Jay Visco
*Hottinger Baldwin
Measurements*

STAFF

Executive Director

Robert A. Reinfried

Technical Director

Daryl E. Tonini

Technical Assistant

Philip G. Hannigan

Meeting Coordinator

Kimberly MacLaren

With the imminent retirement of Daryl Tonini as the SMA Technical Director and Chairman of the SMA Technical Committee, the SMA Board of Directors and the SMA Members in attendance at the SMA Fall Meeting approved a rearrangement of SMA Committees and Chairmanship responsibilities.

The SMA Weights and Measures Liaison Committee has been responsible for recommending SMA Positions on the Agendas of the NCWM Board of Directors and the NCWM's NTEP Committee. Recent changes in the way these committees address issues no longer require them to formally post Agenda items and no longer require them to get formal votes from the NCWM membership. The issues they address can be easily fitted into the agenda of the SMA Technical Committee. Therefore, the Weights and Measures Liaison Committee has been proposed to be disbanded.

The position of SMA Technical Director will not be filled at SMA. Therefore, the Chairmanship of the SMA Technical Committee has been proposed to devolve to a Chair and Vice-Chair. Each will serve for a one year period with the provision that the Vice-Chair, upon selection, will be scheduled to become the Chair upon completion of the one year term of the current Chair. This arrangement is similar to the NCWM practice of having a Chairman and Chairman-Elect. This provides to two years of Chair responsibilities to allow an adequate time for continuity. The SMA Technical Assistant and Executive Director will support the Chair and Vice-Chair as a permanent secretariat to help maintain continuity.

The changes will require an approval of a change in the SMA Bylaws. The changes required were discussed with the membership at the Fall Meeting and mailed to the SMA Official Representatives in November. The SMA Board of Directors will be balloted for final approval of the Bylaws Changes in December with approval hoped for before the next SMA Technical Committee meeting in January.

Nominated to the position of Chair of the SMA Technical Committee is Dave Quinn of FANCOR, Inc. Nominated to the position of Vice-Chair of the SMA Technical Committee is Darrell Flocken of Mettler-Toledo, Inc.

As of January, Technical Committee members, in addition to Mr. Quinn and Mr. Flocken, will include Leon Lammers of Avery Weigh-Tronix, Inc., Stephen Langford of Cardinal Scale Manufacturing Co., Mark Knowles of Hottinger Baldwin Measurements, Doug Biette of Sartorius Corporation, Nigel Mills of Hobart Corporation, and Tim O'Brien of Vishay Transducers.

**UPCOMING MEETINGS OF
INTEREST TO SMA
MEMBERS**

NCWM Interim Meeting
Bethesda, Maryland
January 25-28, 2004
www.ncwm.net

SMA Annual Meeting
Marco Island Hilton
Marco Island, Florida
April 21-23, 2004
www.scalemanufacturers.org

Central W&M Association
Annual Meeting
Omaha, Nebraska
May 2-6, 2004
www.cwma.net

Northeast W&M Association
Annual Meeting
Portsmouth, New Hampshire
May 10-13, 2004

NCWM 89th Annual Meeting
Pittsburgh, Pennsylvania
July 11-15, 2004
www.ncwm.net

NTETC Weighing Sector
Annual Meeting
TBD
TBD

Western W&M Association
Annual Meeting
Sacramento, California
September 12-16, 2004
www.westernwma.org

Southern W&M Association
Annual Meeting
TBD
September, 2004

SMA Fall Meeting
Sheraton Sand Key
Clearwater, Florida
November 10-12, 2004

SEEN AT THE SMA FALL MEETING



SMA President, Robert Schuller (Hobart Corporation), right, joins SMA Past President, F.A. (Bill) Norden (FANCOR, INC.) and his wife, Jill, left, in welcoming SMA Past President, Walter Young of the Emery Winslow Scale Company, and his wife, Lee, back to an SMA Fall Meeting.



SMA Board Member, Stephen Langford (Cardinal Scale Manufacturing Co.), left, and SMA Vice President, Richard Norden (FANCOR, Inc.), right, welcome NCWM Chairman Elect, David Frieders, and his wife, Diane, to the SMA Fall Meeting.



David Quinn (FANCOR, Inc.) and his wife, Shirley, left, join Skip Knapp (Sartorius Corp.), right, and Darrell Flocken (Mettler-Toledo, Inc.), center right, in welcoming Brian Christopher (McKesson Automation Systems), center, to his first SMA meeting.



New SMA Technical Committee Member, Tim O'Brien (Vishay Transducers), right, is welcomed to his first meeting by, left to right, fellow SMATC Member, Doug Biette (Sartorius Corporation), Jim Hynes (Vishay Transducers), and retiring Chairman of the SMA Technical Committee and SMA Technical Director, Daryl Tonini.



Susan Reinfried, center, enjoys a time out from the Fall Banquet Reception with Leon Lammers (Avery Weigh-Tronix, Inc.) and his wife, Rose Marie.



Bob Reinfried, left, and Phil Hannigan, right, welcome Juana Williams of NIST to the Fall Meeting.

Mutual Acceptance Agreement Adopted by OIML

Dr. Charles Ehrlich NIST WMD has announced that the OIML vote on the Mutual Acceptance Arrangement (MAA) was in favor of adoption. This despite five negative votes, all from European countries. The ballot culminated several years effort involving many draft documents and meetings to bring the international working group to the point of approving the document. Dr. Sam Chappell and John Elengo were closely involved in the U.S. work over the years.

The MAA establishes the rules under which responsible bodies within OIML member states accept and utilize OIML type evaluation test reports that can include the unique additional evaluation tests that another nation might require. A test report produced under the MAA is then accepted by all as the basis for issuing their own national type approval. Manufacturers benefit from "one-stop" testing.

John Elengo, commenting on the vote, notes that the MAA is a framework arrangement much like NTEP was at its beginning. Once adopted, NTEP mounted an effort to achieve the participation of the individual state jurisdictions in accepting an NTEP evaluation as their own. He observes that with the MAA in place we need to continue on to the next step - the establishment of a Declaration of Mutual Confidence. He suggests that the process begin by starting with a nearly fully-harmonized device category, like load cells. Here, the evaluation laboratories have already gained much experience having participated in international comparisons. He notes that there is precedence for proceeding in this manner and cites the U.S.—Canadian experience in achieving a reasonable level of type evaluation procedure harmonization starting with one then moving to other categories of devices.

Drawing again from the success of NTEP, Elengo observes that some laboratories are better equipped to perform evaluation on certain categories of devices, others on different categories. Some laboratories are more regionally convenient to certain customers, other to different customers. He sees that work will flow to those that are best equipped to handle a particular need. The system and society will benefit by having and working with these better laboratories.

W&M Benchmark Study Gears Up

Henry Oppermann, NIST WMD, has announced that the NIST contractor for the W&M Benchmark Study, RTI International, will begin their survey activities in January .

The contractor is converting the survey to electronic format and developing techniques to analyze the data. Representatives of RTI have visited some industry and weights and measures offices to conduct interviews with additional interviews to be forthcoming.

The purpose of the interviews is to provide insight into the complexity of the commercial measurement system and the issues and challenges faced by the regulators and the regulated.

NIST/WMD is requesting any data that demonstrates the importance of weights and measures inspections be provided to the contractor. The principal investigator is William J. White, PhD, RTI International, email wwhite@rti.org.

NIST AWARDS BRONZE MEDAL TO TOM COLEMAN

At NIST's 31st Annual Awards Program on Dec 3, 2003, NIST Director, Arden L. Bement, Jr., presented Tom Coleman with the Department of Commerce's Bronze Medal for Superior Federal Service.

The award was given for his work with the National Conference on Weights and Measures in developing the **Fourth Edition of NIST Handbook 133** "*Checking the Net Contents of Packaged Goods.*"

The Bronze Medal is the NIST's highest honorary recognition.

The Members of SMA and the editors of Weighlog congratulate Tom on this recognition and thank him for his efforts in bringing this much needed document to fruition.

Juana Williams Reports at Fall Meeting

Juana Williams reported activities of the NIST Weights and Measures Division (WMD) to the SMA membership at the LaPlaya meeting in November.

She commented on the contract with RTI International to conduct a W&M Benchmark Study (reported in more detail elsewhere in this newsletter). The purpose of the study is to measure the condition of the state programs and provide jurisdictions objective comparisons to enable them to justify improvements in their individual programs. It will also help NIST to focus on areas where it can receive maximum return for its resource investments in W&M training and support. The study results will be available on the NIST/ WMD Web Site. (<http://ts.nist.gov/ts/htdocs/230/235/owmhome.htm>)

In another approach to reaching their customers, WMD has conducted three focus group meetings and will continue to do more. Participants have, so far, consisted of industry, state W&M officials and local officials. The results of these meeting can be found on the NIST WMD Web Site.

As a part of its strategic plan, WMD has developed a matrix of training needs to help determine which training modules are most needed. Within the training program they are developing CD ROM courses. The latest is on audit trails. They are working on mass metrology which is due to be released shortly. Copies are available from WMD.

Williams reported on OIML activities on behalf of Dr. Chuck Ehrlich. She noted that WMD has decided that national working groups are the best vehicle for the U.S. to carry forward a consensus on harmonizing U.S. and international requirements. Working group membership is open to companies and organizations with particular interests in the recommendations under consideration.

Comments are due on a new R-76 Non-Automatic Weighing Systems draft being

Audit Trails Procedures Spelled Out

NIST WMD has published procedures to assist field inspectors in accessing and using audit trail information:

1. Review the NTEP Certificate of Conformance Sealing section. If there is no information there refer to alternate sources of sealing and security information (manuals, manufacturers instructions; etc);
2. Follow the steps for accessing the information (**reference the SMA Audit Trail Standard**);

[Editor's Note: The standard is available for download in PDF format, free of charge, from the SMA web site at <http://www.scalemanufacturers.org/Standard.htm>]

3. Record and/or print audit trail information.
4. Exit the audit trail view mode;
5. Compare the current audit trail values to previous recorded values;
6. Refer to the General Code or other device-specific codes when no code requirements exist in H44; and
7. Determine the appropriate course of action based on test data, audit trail information, business history, complaints, jurisdiction policy, and other pertinent information.

The NIST WMD point of contact for audit trail issues is Juana Williams (301) 975-3989, email juana.williams@nist.gov.

circulated by the OIML secretariat (France and Germany) that is overseeing the revision.

Ambler Thompson, D-27 on Initial Verification Using Manufacturers' Quality Management Systems, and Richard Harshman for R-60 on Load Cells, are the U.S. points of contact for these recommendations.

Dave Frieders Reports on NCWM and NTEP Activities

David Frieders, NCWM Chairman Elect, gave an overview of the status of major NCWM and NTEP items. In addition, he noted that the NCWM Board intends to get more involved in ISWM and will attend their conference in June. The purpose of this involvement is an outreach to dealers to increase their understanding for the need for correct and approved scales for specific applications.

The NCWM Board is firmly behind the Fair Measurement Act proposal. However, to bring this initiative to reality will require broad support from all segments of the Weighing and Measuring community.

With regard to NTEP, the Board believes that the prospect of harmonization fits with NCWM's Strategic plan. They believe that there is a pressing need to revise the NIST/NCWM Handbooks and align with International Standards.

There is an issue of expansion of pre-NTEP Certificates of Conformance. The Board position is that pre-NTEP CC's cannot be expanded to cover parameters beyond those listed on the pre-NTEP type approval certificate without additional NTEP testing.

The Board is firmly behind the concept of Production Meets Type Conformity Assessment that SMA has been promoting for some years. Their program will be called a Verified Conformity Assessment Program (VCAP) and will generally follow the concept adopted by SMA regarding the primacy of audits of the production facilities that deal with T.N.8. influence factors conformity.

In order to implement the initial verification

Max Gray Addresses Fall Meeting

Maxwell H. Gray, Chief, Weights and Measures, Florida Department of Agriculture and Consumer Services, Tallahassee, Florida welcomed the SMA to its Fall Meeting at the LaPlaya Resort in Naples November 5-8, 2003.

In his remarks, he noted that his organization is one of four in the Standards Division of the Florida Department of Agriculture and Consumer Services. For a state population of 16 million residents, his technicians inspect over 70,000 retail establishments with only 16 retail inspectors. This results in an inspection frequency of 18-20 months. As a result they are considering adoption of a risk-based approach to meeting their inspection requirements.

Gray noted that Florida requires NTEP certificates of conformance based on a departmental ruling that users and dealers must show evidence of meeting Handbook 44's T.N.8. Environmental Factors. However, he stated his reservations about having the resources to participate in the proposed production meets type NTEP Initial Verification activities.

He reported that the Florida state metrology laboratory is one of only 10 NAVLAP accredited state facilities in the country.

component of the production meets type effort, there is a need for jurisdiction training and tools for those that will become involved in this part of the program. There are many issues which need to be resolved as this important program moves forward.

SMA Positions

NCWM 89th Interim Meeting

AGENDA OF THE BOARD OF DIRECTORS

Conformity Assessment

SMA supports the formation of the three working groups. SMA requests broad industry participation on the VCAP and Administrative Review Committees. Individuals proficient in developing and implementing quality systems are needed on the VCAP committee.

DRAFT AGENDA OF THE SPECIFICATIONS AND TOLERANCES COMMITTEE

310-1 G-S.1. Identification; Built-for-Purpose Software Based Devices, and Appendix D; Definition of Not-Built-for-Purpose Device

1. SMA recommends that the Committee adopt the “Not Built for Purpose” definition.
2. The SMA opposes the proposed Measuring Sector table G-S.1. since the table perpetuates the “Built for Purpose” “Non Built for Purpose” thinking.
3. SMA appreciates the Conference taking our recommendation. However, on further consideration, SMA proposed the following revisions, underlined and stricken, to the current wording of Handbook 44:

G-S.1. Identification. - All equipment, except weights and separate parts necessary to the measurement process but not having any metrological effect, shall be clearly and permanently marked for the purposes of identification with the following information:

- (a) **the name, initials, or trademark of the manufacturer or distributor;**
- (b) **a model designation that positively identifies the pattern or design of the device;**
- (c) *the model designation shall be prefaced by the term “Model,” “Type,” or “Pattern.” These terms may be followed by the term “Number” or an abbreviation of that word. The abbreviation for the word “Number” shall, as a minimum, begin with the letter “N” (e.g., No or No.). The abbreviation for the word “Model” shall be “Mod” or “Mod.”*

[Nonretroactive as of January 1, 2003]

(Added 2000) (Amended 2001)

[Note: Prefix lettering may be initial capitals, all capitals or all lower case.]

- (d) *except for equipment with no moving or electronic component parts and software-based not built-for-purpose devices, a nonrepetitive serial number;*
[Nonretroactive as of January 1, 1968]
- (e) **for not built-for-purpose, software-based devices the current software version designation;**
- (f) *the serial number shall be prefaced by words, an abbreviation, or a symbol that clearly identifies the number as the required serial number; and*
[Nonretroactive as of January 1, 1986]
- (g) *the serial number shall be prefaced by the words “Serial Number” or an abbreviation of that term. Abbreviations for the word “Serial” shall, as a minimum, begin with the letter “S,” and abbreviations for the word “Number” shall, as a minimum, begin with the letter “N” (e.g., S/N, SN, Ser. No, and S No.).* ***[Nonretroactive as of January 1, 2001]***
- (h) **For devices that have an NTEP Certificate of Conformance (CC) Number or a corresponding CC addendum number, the NTEP CC shall be prefaced by the terms “NTEP CC,” “CC,” or “Approval.” These terms may be followed by the term “Number” or an abbreviation of that word. The abbreviation for the word “Number” shall, as a minimum, begin with the letter “N” (e.g., No or No.).**

[Nonretroactive as of January 1, 2003]

The required information shall be so located that it is readily observable without the necessity of the disassembly of a part requiring the use of any means separate from the device.

(Amended 1985, 1991, 1999 and 2000)

G-S.1.1. Software-Based, Not Built-For-Purpose Devices. ~~For not built-for-purpose, software-based, devices, the following shall apply~~ **Marking Location Requirements.:** All marking requirements identified in G-S.1. Identification shall be applied in the following manner

(a) the manufacturer or distributor and the model designation shall be continuously displayed or marked on the device (see note below), or

(b) the Certificate of Conformance (CC) Number shall be continuously displayed or marked on the device (see note below),

(c) all remaining required information in G-S.1. Identification. ~~(a), (b), (c), (e), and (h)~~ shall be permanently marked or continuously displayed. Alternatively, a clearly identified view only System Identification, G-S.1. Identification, or Weights and Measures Identification, shall be accessible through the “Help” menu. ~~Required information includes that information necessary to identify that the software in the device is the same type that was evaluated.~~

Note: ~~Clear instructions for accessing the remaining required information shall be listed on the CC. Required information includes that information necessary to identify that the software in the device is the same type that was evaluated.~~

[Nonretroactive as of January 1, 200X]

G-S.1.2. Remanufactured Devices and Remanufactured Main Elements. - All remanufactured devices and remanufactured main elements shall be clearly and permanently marked for the purpose of identification with the following information:

(a) the name, initials, or trademark of the last remanufacturer or distributor;

(b) the remanufacturer’s or distributor’s model designation if different than the original model designation.

[Nonretroactive as of January 1, 2002]

Add a new definition for “built-for-purpose” devices as follows:

built-for-purpose device. Any main device or element which was ~~manufactured~~ with the intent that it be used as, or part of, a weighing or measuring device or system.

310-2 G-N.3. Compatibility of Indicators and Weighing or Measuring Elements

The SMA believes that the item is not sufficiently developed for weighing applications and should be referred to the Weighing Sector for development.

Scale Code

320-1 S.1.12. Manual Gross Weight Entries and UR.3.9. Use of Manual Gross Weight Entries

SMATC Recommendation:

1. The SMA supports the WWMA proposal for S.1.12.
2. The SMA recommends that the proposal for UR.3.9 item (1) be split into two separate items for clarity.

UR.3.9. Use of Manual Gross Weight Entries. – Manual gross weight entries are permitted for use in the following applications only:

(1) on a point-of-sales system interfaced with scales when credit is given for a weighed item; ~~on point-of-sale systems interfaced with scales.~~

- (2) ~~or~~ when an item is pre-weighed and marked with the correct net weight;
- (2 3) when a device or system is generating labels for standard weight packages;
- (3 4) when postal scales or weight classifiers are generating manifests for packages to be picked up at a later time; and
- (4-5) on livestock scale and vehicle scale systems that generate weight tickets to correct erroneous tickets.

Rationale: Clarity. Also, item 2 as rewritten will allow the use for devices other than POS systems.

320-2 S.6.4. Railway Track Scales

SMA supports this item but we take no position on the NEWMA proposal for Table 4.

320-3 S.6.4.3. Section Capacity Prefix and Table S.6.3.a. Marking Requirements

SMA supports this item.

320-4 N.1.3.4.1. Weight Carts

SMA has no position this item.

320-5 N.1.5. Discrimination Test

SMA supports this item.

320-6 Table 3 Parameters for Accuracy Classes; Footnote 5 Grain Hopper Scales

SMA opposes this item.

Rationale: It introduces another application into Table 3. SMA prefers Table 3 not to be used for application requirements.

320-7 Appendix D; Definition of Counter Scale

SMA opposes this item. SMA recommends the withdrawal of this item and that it be sent back to the Weighing Sector for OIML harmonization considerations.

Automatic Weighing Systems Code

324-1 Tentative Status of the Automatic Weighing Systems Code

SMA supports WWMA recommendation to keep the item informational.

Multiple Dimension Measuring Devices Code

358-1 Tentative Status of the Multiple Dimension Measuring Devices Code

SMA supports the Northeastern and Western Weights and Measures Associations' recommendation that the item remain an informational until a work group can review the code requirements.

Note: These positions were developed from the draft of the S&T Committee Agenda available to SMA at the time of its Fall Meeting, Nov 5-8, 2004. There may be some minor adjustments of item numbering when SMA reviews the final Publication.

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