



The Standard



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Managing Editor and Publisher

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Letters to the Editor

The Standard welcomes letters from members and subscribers. Letters should clearly state whether the author is expressing opinion or presenting facts with supporting information. Commendation, encouragement, constructive critique, suggestions, and alternative approaches are accepted. If the content is more than 200 words, we may delete portions to hold that limit. We reserve the right to edit letters and papers.

Information for Authors

The Standard publishes papers on the quality of measurements and the measurement of quality at all levels ranging from relatively simple tutorial material to state-of-the-art. Papers published in *The Standard* are not referred in the usual sense, except to ascertain that facts are correctly stated and to assure that opinion and fact are clearly distinguished one from another. The Editor reserves the right to edit any paper. Please single space after sentences and use Times New Roman, 12 pt font.

TABLE OF CONTENTS

Chair's Corner.....	3
2009 NCSLI Conference Report.....	4
Communication Hardware Obsolescence in the Cal Lab	9
MQD Treasurer's report	10
MQD minutes from July teleconference call	11
MQD 2009 ~ 2010 budget	14
The Learning Curve	15
MQD Officers and Committee Chairs	18

FROM THE DESK OF THE EDITOR/PUBLISHER

The front cover: A photo of our new pop-up display at the MQD booth during this year's NCSLI Workshop & Symposium in San Antonio, Texas.

It is super easy to put up and take down (I've done both) and has a case that allows it to be taken as check luggage on planes, in the trunk of a good sized car, or wheeled through the lobbies of your favorite meeting facility. Thanks go to Dilip (who is sitting with yours truly in the photo) for making the time and taking the diligence to get us the most bang for our buck. We are also purchasing a slightly smaller model for local section and regional meetings that we will be supporting in the future where it was impractical to send/set up a booth in the past.



Thank you to all who stopped by the MQD booth at this year's NCSLI conference. It was nice to see old friends and meet new ones. We gave away two signed copies of *The Metrology Handbook* from the booth, and to my recollection, had one of the largest traffic flows in recent memory. I hope we were able to answer all your questions and we look forward to seeing you at MSC 2010 in March at Pasadena in California. Please stop by our booth, or attend one of our sessions or tutorials and say hello.

And last but certainly not least, we will be publishing a special edition of [The Standard](#) at the end of the year (I still need to get #60). It will contain all 60 columns of *The Learning Curve*. It will be in addition to the quarterly edition of [The Standard](#) that will be published in December, 2009.

The Standard is published quarterly by the Measurement Quality Division of ASQ; deadlines are February 15, May 15, August 15 and November 15. Text information intended for publication can be sent via electronic mail as an attachment in MS Word format (Times New Roman, 11 pt). Use single spacing between sentences. Graphics/illustrations must be sent as a separate attachment, in jpg format. Photographs of MQD activities are always welcome. Publication of articles, product releases, advertisements or technical information does not imply endorsement by MQD or ASQ. While *The Standard* makes every effort to ensure the accuracy of articles, the publication disclaims responsibility for statements of fact or opinion made by the authors or other contributors. Material from *The Standard* may not be reproduced without permission of ASQ. Copyrights in the United States and all other countries are reserved. Website information: MQD's homepage can be found at <http://www.asq.org/measure>. © 2008 ASQ, MQD. All rights reserved.

CHAIR'S CORNER

By Jay L. Bucher



As my predecessors have said before me: "It is my distinct pleasure to serve as the Chair of the Measurement Quality Division" for the 2009/2010 year. The leadership and support we received from Woody Niemann has been outstanding. Thanks, Woody, for not only taking the helm, but steering us in the right direction. And congratulations on being selected to the Max J. Unis award, MQD's highest honor.

Communication Hardware Obsolescence in the Calibration Laboratory

By Christopher L. Grachanen

Recently I had a primary calibration system's computer and IEEE488 communication card give up



the ghost. This calibration system is used to maintain standard resistors and calibrate customer resistors in our primary standards laboratory. The system was procured in the early 1990's and ran under Windows 95 operating system. The calibration system has given years and years of faithful service without any real problems. At a minimum, the calibration system was engaged once a week running our automated standard resistor maintenance program. So now the saga begins.

THE LEARNING CURVE

By Phil Painchaud



This is the fifty-ninth installment in a continuous series of tractates originally charted to be on the general subject of Metrology Education. We have since November 1992 been writing these essays in the format of open letters to our most lenient Boss, the Managing Editor of this, the official journal of the MQD. With increasing frequency we have found it necessary to deviate from our charted subject. However this time; we are pleased to say that we are again back on track. We shall, as promised, continue, and complete, our analysis of the 'White Paper' originally presented in Column 55, which analysis we started in Column 56.

The NCSLI Conference Report (July 26-30, 2009)

By Jay Bucher

This year's National Conference of Standards Laboratories (NCSL) International Workshop and Symposium in San Antonio, Texas, may not have had as many attendees as in years past, but the enthusiasm and dedication within the metrology community was present and well accounted for. This could be seen by the active participation in the sessions and workshops.

Dilip Shah and I both conducted tutorial workshops, and the participants were as animated and involved as ever, with some attending several of the workshops offered by the various organizations. The conference center was located next to the NCSLI headquarters hotel and made for easy access throughout the week. Yes, we had the high temperatures, but an active air conditioner in all facilities more than compensated.





MQD's new roll-up display... with an area for messages or video projections.



**Phil Graham (above) and Diane Jones-Albright
receiving their signed copies of
*The Metrology Handbook***





**Carol Singer
receiving her much deserved
Award of Appreciation**





The Learning and Development planning meeting (Dilip attended and is taking the photo above)

The Successful Outreach & Committee Fair session— our own Chris Grachanen sitting in the front row, with Terry Conder making his presentation (below)





**Photo taken during our quarterly teleconference call meeting.
Around the table, left to right,
Chris Grachanen, Jay Bucher, Heather Wade
and Graeme Payne. Dilip Shah is taking the photo.**

MQD TREASURER'S REPORT

Jun 2009

Per Jun 2009 Bank Statement

MQD continues to have a strong balance sheet (Statement of Financial Position) with over \$171,000.00 combined checking and saving account balances.

Commercial Checking Account Ending Leger Balance:	\$91,698.15
Money Market Saving Account Ending Balance:	\$79,608.04

For the twelve months ended June 30, 2009

Membership Revenue:	\$29,277
Investment Income:	\$457
Royalties Income (July to April)	\$3,935
Total revenues for all sources	\$33,669
Budgeted MQD Expenses:	\$16,977

ASQ's corporate annual financial audit was completed in Aug 2009 with no discrepancies noted.

Respectfully Submitted,
Christopher L. Grachanen

**Minutes from August meeting
Held during the 2009 NCSL International
Workshop & Symposium
San Antonio, Texas
July 29th, 2009**

In attendance: Dilip Shah, Jay Bucher, Chris Grachanen, Heather Wade, Graeme Payne
In attendance by phone: Leta Thrasher (ASQ Admin), Mike Boothe (ASQ-MQD Secretary)

This copy of minutes were recorded by Heather Wade.

4:15pm, meeting called to order by Jay Bucher.

Treasurer's Report

Chris Grachanen reports \$91,698.15 in account as of last statement. Checking account is off by \$1. Leta Thrasher requests the bank sheet & audit by August 15, 2009. Jay will get those to Mike Sumich for completion. There is a \$10,000 obligation for NCSLI/ASQ-MQD DVD. This also includes the Max J. Unis Award. There is \$79,608.04 in the Money Market Fund.

ASQ-CCT

Jay is spearheading the first workshop.

Jay is also proctoring ASQ-CCT exam at NCSLI conference on Friday, July 31, 2009, for which there are 5 candidates registered.

Pilot Survey

Restriction for volunteers limits volunteers in number & in depth of experience (i.e., volunteers are restricted to only those who have participated in workshops).

Chris Grachanen is seeking survey announcement to be sent to ASQ-MQD & NCSLI mailing lists, seeking survey volunteers.

ASQ Coins

Two coins are requested to be sent to the gentleman who has already paid for them. Jay Bucher will forward the contact information to Leta.

Website

Jay reports new website through ASQ. He's working with Val at ASQ, and is the new website liaison for MQD's website.

Regional Counselors

Jay Bucher found no requirements to have Regional Counselors. Jay Bucher motions for removal of "Regional Counselors" from ASQ-MQD. Dilip Shah seconds the motion. All agree in favor, none against motion.

ASQ-MQD Booth

New ASQ-MQD display booth arranged for by Dilip Shah. It is a banner-type. It is light (30 lbs) and easy to set-up, tear-down, and ship. Dilip is given an "At-A-Boy" for display. Dilip requests from Leta an asset number for the display. Dilip to forward display information to Leta.

(Continued on page 10)

(Continued from page 9)

Announcements

Mike Boothe is new Secretary of ASQ-MQD

Elias Monreal is the new Voice Of Customer "VOC"

Brandon Downing is to be the ASQ-MQD Historian and has been sent information for archiving.

New Member Recruitment

Jay Bucher requests that in the interest of attracting new members to ASQ-MQD that all but the last 4 issues of The Standard be posted on the ASQ-MQD website. Jay will send pdfs of 1993 to 1998 articles.

Measurement Science Conference 2010 (MSC)

MSC 2010 in Pasadena, California. In attendance representing ASQ-MQD will be Jay Bucher, Dilip Shah, Chris Grachanen, and Graeme Payne. Jay Bucher motions for ASQ to support ASQ-MQD attendance at MSC. Dilip seconds the motion. All agree in favor, none against motion. To receive MQD support, attendees must provide booth duty and attend the quarterly teleconference call.

Other Upcoming Conferences & Workshops

- December 2009: next ASQ-CCT workshop
- August 29, 2009: next ASQ Leadership Conference (Jay attending)
- May 23, 2010: WCQI, in St. Louis
- o Abstracts due August 3, 2009: If abstracts accepted, then ASQ-MQD will support
- ✦ Dilip submitting abstract
- ✦ Graeme also wants to submit an abstract.
- ✦ September 11-13, 2009: "Ideas Into Action" in Milwaukee, WI (Jay attending)
- ✦ October 16-19, 2009: "Ideas Into Action" in Denver, CO

Support of ASEE (American Society for Engineering Education)

ASQ-MQD supports ASEE with NCSLI & MSC. Jay Bucher motions to continue support with booth, personnel (at May or June conference) and/or documents. Graeme seconds the motion. All agree in favor, none against motion.

ASQ-MQD Fellows

Graeme Payne seeks interest for Division members with more than 5 years participation to be nominated as "Fellows". Questions presented: Are they interested in being nominated? Are they interested in completing the paperwork involved? Dilip Shah mentions that there is a Fellow-mentoring process. Deadline for nominations is December 31, 2009.

Member Reports

Heather Wade – nothing to report

Mike Boothe – requests a copy of meeting minutes & reports because of his poor-quality phone connection for this conference call.

Jay Bucher welcomes Sunday E. Lijofi, ASQ-CCT from Lagos, Nigeria.

Sunday E. Lijofi requests the primary use of SI units instead of English units on the CCT (due to SI use internationally). Jay Bucher agrees and supports this request.

4:45pm, Dilip Shah motions to adjourn meeting. Graeme Payne seconds the motion.

(Continued on page 11)

(Continued from page 10)

Post-meeting discussions:

Office of Personnel Management has accepted “Metrology” job description. Hopefully this will be able to be launched into SOC in 10 years.

There are remarks that it should be remembered that ASQ certification is recognized worldwide.



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ASQ Measurement Quality Division 2009-2010 Budget

ACCOUNT DESCRIPTION	ADMIN	Pubs	Conference (NCSLI)	Conference (MSC)	Conference (ASQ Regional, Division)	DAC	Conference (WCQI)	Total
REVENUE								
Dues	\$20,000.00							\$20,000.00
Retail Sales								\$ -
Advertising	\$400.00							\$400.00
Conference								\$ -
Investments								\$ -
Interest	\$1,500.00							\$1,500.00
Royalties	\$3,500.00							\$3,500.00
Other								\$ -
TOTAL REVENUE	\$25,400.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$25,400.00
EXPENSES								
Printing and Production	\$300.00							\$300.00
Cost of Sales								\$ -
Promotional Items (including MQD shirts for booth duty)	\$250.00		\$300.00	\$300.00	\$300.00		\$300.00	\$1,450.00
Committees (Standards)	\$3,500.00							\$3,500.00
Postage and Shipping			\$350.00	\$350.00	\$200.00		\$350.00	\$1,250.00
Contract and Professional								\$ -
Meetings and Meals			\$350.00	\$350.00	\$350.00	\$200.00	\$350.00	\$1,600.00
Travel			\$3,500.00	\$3,500.00	\$3,000.00	\$1,000.00	\$3,500.00	\$14,500.00
Supplies								\$ -
Max Unis Award for 2009 (\$500 + travel)	\$1,000.00							\$1,000.00
Max Unis Award for 2010 (\$500 + travel)	\$1,000.00							\$1,000.00
Joe Simmons Scholarship (2009-2010)	\$3,000.00							\$3,000.00
Joint sponsorships (NCSLI Training DVD)	\$10,000.00							\$10,000.00
Telephone (teleconferences)	\$600.00							\$600.00
Partner Payments (Division and other Prof. Associations)								\$ -
Other								\$ -
TOTAL EXPENSES	\$19,650.00	\$ -	\$4,500.00	\$4,500.00	\$3,850.00	\$1,200.00	\$4,500.00	\$38,200.00
NET INCOME/(LOSS)	\$5,750.00	\$ -	\$(4,500.00)	\$(4,500.00)	\$(3,850.00)	\$(1,200.00)	\$(4,500.00)	\$(12,800.00)

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