



# The Gage

FALL 2012

*American Measuring Tool Manufacturers Association*

Look at Some of the Ways AMTMA Can Help Your Business and You:

- Network Among Your Peers & Keep Abreast of Industry Trends
- AMTMA annual meetings
- Technical Services, Including Round Robin Programs and Educational Workshops.
- Business Surveys
- Regulatory Support
- Human Resources Support

## President's Message - STEVE PIKE

Mitutoyo America Corporation



Greetings from the President's corner. I trust all is well within our AMTMA family.

It's hard to believe that 2012 is almost over. I have had the good fortune to travel to various trade shows and attend our own AMTMA and ISA association meetings. I have participated in large, national distributors sales meetings/shows and even visited some AMTMA member's business locations. The question of "How's business?" always comes up. Most everyone responds, "2012 business is going well", but there still seems to be some uncertainty remaining.

I wonder why? Current conditions and trends should give us many reasons for optimism. Some thoughts are found below.

Manufacturing related jobs are posted all around the country and skilled positions are difficult to fill. "Re-shoring" is the new expression that describes the process of companies bringing back work that was previously "outsourced" off shore. The expected cost savings (if any), were far less than originally expected.

The automotive industry, which is responsible directly or indirectly for about 50% of our metalworking industry sales, is on the rise. Domestic auto manufacturing is up and Detroit is beginning to flourish once again. Foreign auto makers are continuing to invest in the USA. Our southeastern states are the greatest beneficiary with companies like Toyota, Nissan, Honda, Subaru, Kia, Volkswagen, Mercedes, BMW and others located there. These existing plants along with their Tier 1 & 2 suppliers are nearly at production capacity and are to expand. Audi may be next to start production in the US.

Our aerospace and defense related industries, with Boeing, Pratt & Whitney, GE, Rolls Royce, Raytheon, Lockheed-Martin, Airbus (USA), Sikorsky Helicopter along with many others are very busy and have contracts that will keep production strong for many years in the future.

Energy related business from exploration to production is seeing some of its busiest times in recent memory. We also enjoy renewed business from the production of power generation systems from traditional stationary turbines to wind and other new, alternative energy sources.

Medical device manufacturing is thriving today and shows no sign of slowing.

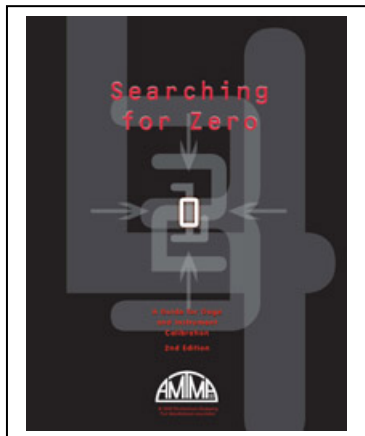
Hi-Tech, R&D, and new startup companies are once again on the rise. The list goes on and on. Maybe I was just to believe, but after visiting and speaking with a variety of people during my travels this year it appears that US manufacturing has a rosy future across many industries and in all areas of the country. We should all be confident that our AMTMA member companies will play a large part in supporting this continued growth. I look forward to seeing you soon.

Optimistically yours,

Steve

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## Support the AMTMA



## New AMTMA officers for 2012 / 2013

President: Steve Pike, Mitutoyo America Corp.

Vice President: Blain Mead, Master Gage and Tool Co.

Secretary: Ron Barry, Ulrich Metrology

## New Board Members

Congratulations to the following three members that were elected to serve on the AMTMA board of directors for the next three years.

Steve Popovic- Cleveland Specialty Inspection

Hill Cox- Frank Cox Sales

Dawn Stamberger- PMC Mercury

Thanks to the following members that are coming off the Board for all their efforts for the past three years.

Richard Vallance- Glastonbury Southern Gage

Steve Pike- Mitutoyo America Corp.

Hill Cox- Frank Cox Sales

## Membership Awards

Osborn Products Co.

25 Years as a AMTMA member

Zero Check

25 Years as a AMTMA member

Thread Check Co.

15 Years as a AMTMA member

Brown & Sharpe Hexagon

15 Years as a AMTMA member

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## Spring Meeting

2013

MARCH 18-20, 2012

Chaparral Suites

Scottsdale, AZ

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## Plan now for the March 2013 Annual Meeting!



Mark your calendar for March 18-20 2013 for the next Annual General Membership meeting of the AMTMA at the Chaparral Suites in Scottsdale, AZ.

Topics are being planned to include Technical sessions and other business topics.

We are also planning on having a plant tour.

Please let me if you have any topics you would like to address at this meeting.



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## AMTMA

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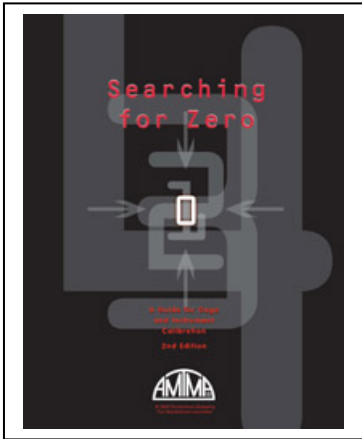
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# ASME B1 Thread Committee Report

## Support the AMTMA



The ASME B1 thread standards meeting was held May 10 – 12, 2011 in Old Scottsdale, AZ. Following is the report on these meetings.

### **B1.1 60° product threads:**

Nothing new to report

### **The revised B1.2**

Review of pressures used for internal Best Ball measurements. It was agreed to leave the table as was, but to define the TPI ranges.

Mike Rose And Karl Bly agreed to develop wording defining the use of “BEST BALL” inspection of thread rings and the criteria for use, acceptance, and rejection thereof. The committee began the review of the wording added for the inspection and gage design for product threads to be plated or coated.

### **B1.5, acme threads:**

no new activity

### **B1.8, stub acme threads:**

will be revised soon

### **B1-9, buttress threads:**

some changes proposed for symbols and wording.

### **B1.20, pipe threads:**

A draft has been submitted to update the B1.20.1 NPT document. The current version is dated 1983.

If you currently have any issues with this current document, this would be a good time to submit them. You can send your comments to me and I will see that they get to the Chairmen.

**Working group on thread gage calibration:** The working Group on Calibration completed the review of Lowell Johnson’s assignment, inspection and calibration of internal and external, segments and rolls.

Al Barrows explained the following tasks that still needed to be done

- Review non-threaded gages in the current B1.2, table 12 items 8-16, table 13, items 8 thru 15 and table 14.
- Wording for progressive set plugs
- Wording for the calibration of the new vs. used gages
- Incorporate table 12,13 & 13 notes from current B1.2 document
- Integration of appendix A from current B1.2 document

**B1.10 unified miniature screw threads:** The B1.10-2004 unified miniature screw thread document is current and available from ASME.

### **ASME SC1.25 Working Group on Uncertainty of measurements**

The April draft included a suggested new topic to be added to the document titled “Uncertainty / Tolerance Rules” dealing with the relationship of the two

Etc. It was agreed that this topic should be included as para.#9.

Section 5.8 respecting the uncertainty factors in lead calibration was discussed at length. The Chair noted that industrial practice regularly used the terms ‘lead’ and ‘pitch’ interchangeably even though ASME standards outline the differences. Similarly, many devices used to measure lead, for example, are measuring pitch but not even doing that in accordance with the definition. These are the reasons for the vagueness of the section.

The Chair agreed to rewrite the section to cover variations of the equipment used based on the type of calibration or test involved.

The Chair advised that he will make the changes noted and submit a new version of the document to members prior to the next meeting.

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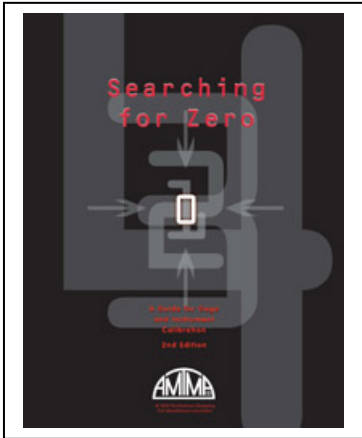
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**NEXT ASME B1 MEETING**

**Support the  
AMTMA**

**October 23-25-2012  
Wyndham Orlando Resort  
8001 International Drive  
Orlando, Florida 32819**



**ANNOUNCEMENTS**

**VPT wins Vermont's BPW Employer of the Year**

Vermont Gage and Vermont Precision Tools Inc., of Swanton was awarded the 2012 Employer of the Year by the Vermont Business & Professional Women. The award was presented to Monica Greene, President and Richard Paquette, Vice President in charge of manufacturing. They accepted the award at the Spring Board meeting of VT/BPW in Plattsburgh, New York on March 31 at the Clinton Community College.

Vermont Precision Tools was recognized for its advancement of women in non-traditional occupations. It boasts a roster of 156 with 57 of those being women. Occupations range from Human Resources and Safety Director, Finance Director, and Production Control Director to positions in production and technical support, purchasing and administration.

Employees are promoted from within the company and the company offers health benefits, family leave, and tuition reimbursement. It partners with the Northwest Technical Center to connect young adults with business through internships and has hired seven young adults in full-time internships during the past few years. The company maintains strong ties to over 20 local organizations through financial aid and volunteer support from its employees.

Monica Greene and Richard Paquette expressed surprise at the award as they felt they were doing business as usual since 1968 with an experienced and diverse workforce and employees who stay for the long term. The award was presented by Marilyn Grunewald from St. Albans and President of VT/BPW.

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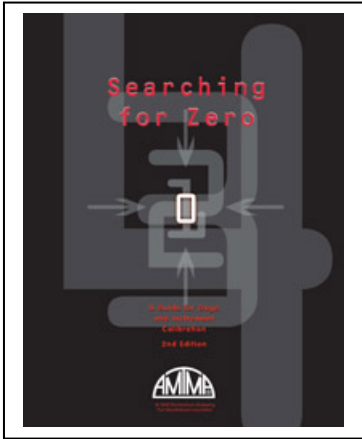
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# OSBORN PRODUCTS COMPANY

Osborn Products of Phoenix AZ. Has announced that they have attained their AS9100 REV C certification for Machining, Grinding, Leadscrews, Calibration and manufacturing of Fixed Limit Gages.

## Support the AMTMA



## QUALITY MAGAZINE

Michelle Bangert returns to Quality Magazine after taking time off for graduate school. Now, armed with a master's degree from City University of New York's Graduate School of Journalism, she writes for Quality, NDT and Vision & Sensors. Michelle is based in New York, but can often be seen at metrology events across the country. She can be reached at [bangertm@bnpmmedia.com](mailto:bangertm@bnpmmedia.com).



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**Scottsdale, AZ**  
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## NEW AMTMA MEMBERS WELCOME TO OUR NEW MEMBERS

Mr. Ray Stark  
Micro Quality Corp.  
Deerfield Beach, Fl.

Mr. Sam Morey  
U.S. Gage Corp.  
Detroit, MI.

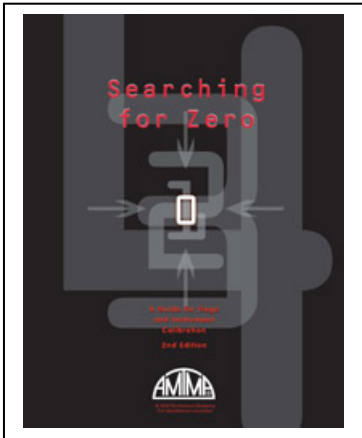
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**MARCH 2012 AMTMA MEETING**

**Support the  
AMTMA**



**Zero Check 25 Year Award**



**Hill Cox – Directors Award**



**Steve Pike – Directors Award**



**Barb Bishop – Presidents Award**

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**Barb's Hot Air Balloon Ride**



**Barb and the Skipper**

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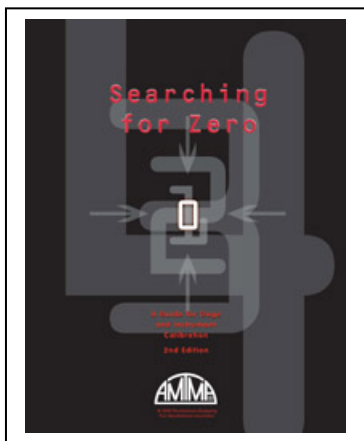
**Meeting Luncheon**



**Meeting Luncheon**



# Support the AMTMA



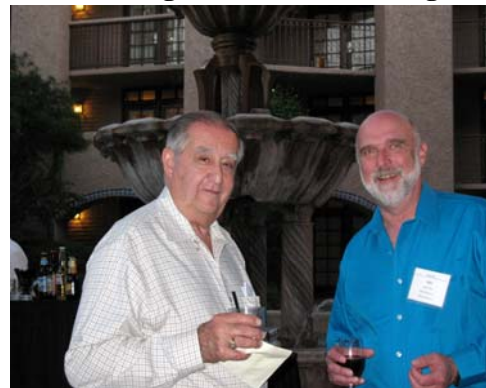
**Meeting Luncheon**



**Working Hard at the Meeting**



**Our Western Cookout**



**Jim Upton - Jim Popovic**

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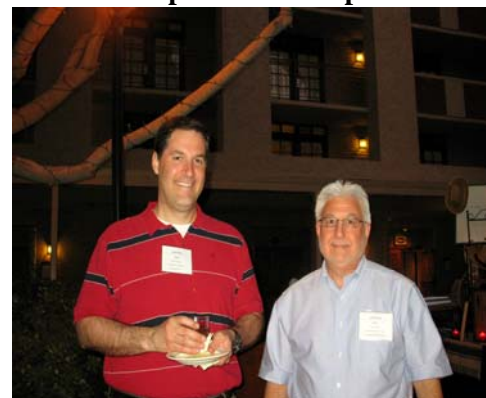
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MARCH 21-23, 2012  
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**John Gehret – Barb Bishop- Steve Popovic  
Wayne Meulendyk**



**Jim Salsbery – Ray Stark**

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**Hill Cox – Larry McLaughlin  
Jim Popovic – Jim Upton**



**Beth Mead – Blain Mead  
Rosalie Mead – John Mead**

