ABC 2012 – One for the Records!

The Three Rivers of Success—Innovation, Efficiency and Sustainability was the theme of the 28th Annual Blow Molding Conference in Pittsburgh, Pennsylvania, the site of the unique joining of three diverse river systems—the Allegheny, Monongahela, and Ohio Rivers.

The two-day, jam-packed conference held Oct. 8th and 9th, included technical-business overviews; updates to industrial and automotive materials and applications; packaging machinery advancements; extrusion blow, co-extrusion and injection blow molding technology, packaging sustainability and recycling developments, various barrier technology presentations and numerous “Plastic 101s” by leading industry experts.

A highlight of this year’s event included a riverboat dinner cruise where attendees dined, enjoyed the sights from the top deck, and joined with the Division in honoring Donald C. Graham, founder of The Graham Group, with the 2012 Lifetime Achievement Award given by the SPE Blow Molding Division.

“The quality of the presentations and blow molding improve each year” said Calvin Becker, Technical Service Application Development at Eastman Chemical Company. “I think there is great value in attending and staying connected to the blow mold industry.” This fact was clearly evidenced by the record turn-out of attendees and additional technical sessions bringing the conference to a full two days of information and education.

Continued on page 3
The 28th SPE Annual Blow Molding Conference brought a record number of sponsors to Pittsburgh. Over 55 sponsor companies participated in the exhibits playing a key role in maintaining the success and continued growth of the event and offered over 300 attendees the opportunity to meet with existing suppliers, clients and prospective customers. The feedback on the presentations, the organization and on our special award ceremony - which we combined with a boat cruise and dinner - was very positive.

Furthermore we are glad to announce that our open board positions are filled. We welcome John Sudgen, David Calderone, George Rollend, Ken Carter, and Mohammad Usman to the BOD. They join us right in time to support us in planning our 2013 events.

The first activity will be our participation in the ANTEC in Cincinnati, Ohio on April 21-25, 2013 during which also the Pinnacle and the Communications Excellence Awards will be given. The Pinnacle Award recognizes those SPE Sections and Divisions that have successfully created and delivered member value during the year in the areas of organization, technical programming, membership, and communication. The Communications Excellence Award recognizes Sections, Divisions, and Special Interest Groups that carry out highly effective communications within their groups and, optionally, with other parts of the Society during the course of one SPE year. Our Blow Molding Division has successfully been awarded with the Gold Pinnacle over the past years as well as with the Communications Excellence Award and we will continue to keep this challenge.

After finishing our budgeting for next year, we are actively soliciting topics for the ANTEC and our Annual Blow Molding Conference which will take place in Atlanta, Georgia on October 8-9, 2013. This event will encompass the latest technologies, processes, resins and trends around the blow molding industry. We hope you will support us as well as this year with paper submissions and sponsorships.

During our past ABC we invited the SPE national to come and talk about the benefits of beginning a SPE membership and about their experience as a member. One presentation that I could especially relate to was the one from Tim Womer who talked about mentoring and how we should all do our part. From personal experience - I worked for some great companies that well supported my efforts with the SPE and professionally - one of my most memorable mentors was Jim Abbiati. Jim mentored me into further management responsibilities, he taught me to structure quarter goals and value creation - “never easy” but achievable - and was always there to advise.

As Tim Womer did during our conference I would also like to encourage other leaders in our industry to further promote individuals.

After this busy year I wish all of you peaceful and relaxing holidays. My fellow board members and I will be pleased to welcome you all again during our next year’s events and wish you a healthy, prosperous and peaceful new year.

With Best Regards,
Benjamin Lopez
SPE Blow Molding Division Chairman
This year’s conference also brought a record number of sponsors to Pittsburgh. Over 55 sponsor companies participated in the exhibits playing a key role in maintaining the success and continued growth of the event offering over 300 attendees the opportunity to meet with existing suppliers, clients and prospective customers. “This was the first time we exhibited and sponsored this event” said Robert Schiavone, Global Marketing Director of R&D/Leverage. “We felt it was well organized and well attended and now plan on continuing this event as part of our marketing mix next year!” New sponsor Maguire Products, Inc. offered a similar reaction. “I found this event to be a great opportunity to network with many professionals in the industry” stated Frank Kavanagh, Vice President of Sales.

The Division continues to work toward growing our membership, and gratefully acknowledges this year’s conference sponsors, guest speakers and attendees. “Pittsburgh was great!” exclaimed Deirdre Turner, ABC Conference Coordinator. “But I’m also looking forward to returning to Atlanta for ABC 2013!”
Creating Opportunities  Acting Responsibly

The human population is rapidly expanding worldwide, yet drinking water is becoming scarcer. That’s why Bayer, in cooperation with National Geographic, is supporting research projects on treating, distributing and tapping new sources of water, while also promoting the economical use of this valuable resource. This is just one of 300 examples in which Bayer is demonstrating its commitment to corporate social responsibility. We are active in around 150 countries and aim to do our part as a good corporate citizen in solving social problems and tackling global issues through a combination of our commercial and technical expertise and the commitment of our staff.

Globally, we invest more than $67 million annually in education and research, the environment and nature, health and social needs, and sports and culture. Bayer aims to improve people’s prospects for a better future and to this end also has become the first private partner of the United Nations Environment Programme (UNEP) which raises awareness of environmental protection among young people and trains them in this subject.

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Our SPE D30 Division Goals for 2013:

- Research and structure education opportunities for the blow molding industry
- Promote these education opportunities to our industry and students
- Support these education programs technically and financially
- Organize a ANTEC technical conference including an interactive careers session
- Organize a ABC conference with presentations on the latest technology and trends, coupled with training sessions
- Find ways to promote, increase and retain membership
- Gain industry interest to participate and support our program through call for papers, technical support and sponsorship
- Update our Policy Manual with responsibilities
- Make our financial planning format on QuickBooks
- Organize a beta training center and program (target program offering 1st quarter 2013 and class to start late 4th quarter 2013)
- Implement a broad member interest and mentor program to promote the different board positions
- Further promote the Student Design Contest
- Qualify for the SPE rebate and awards
- Promote the ABC Part’s Competition program
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The Uniloy team also knows you need advanced molds and tooling, exceptional aftermarket support, container development services, and the know-how to bring your ideas to life – quickly, profitably, and with a global perspective.
Three students were recognized at the 2012 ABC for their Student Design Contest entries. The student's entries were presented in poster format at the 2012 ABC and they were recognized during the Blow Molding Division’s annual awards program on Tuesday evening.

A brief summary of each entry follows. Their complete design competition entries can be found at www.http://blowmoldingdivision.org/.

**Pat Scullion** from Penn State Erie Behrend was awarded first place in the competition. His winning entry was entitled “Acoustic Toy Guitar Body”.

Isometric and Cross-sectional Views of the Guitar Body

Pat chose ABS resin for this design. He utilized CAE programs to design the part and perform finite element analysis (FEA).

Side and Top Deflection Determined using ANYYSIS
Bob Emmett was awarded First Runner-up in the upperclassman category. His winning entry was “Traffic Light”. Bob is entering his senior year at Penn State Erie Behrend. Bob chose a UV stabilized PP resin for the Traffic Light shell. The design schematic is shown below:

Design Schematic and Lens Opening Dimensions
Bob ran several FEA simulations to show that the Traffic Light could be designed to withstand environmental conditions under use. Here is an example illustrating how the part could withstand wind speeds of 100 MPH.

Equivalent Stress and Total Deformation Modeled using ANSYS (100 MPH wind speed)
Tamara Rader was awarded First Runner-up in the underclassman category. Her winning entry was “Lily Pitcher”. Tamara is entering her junior year at Pennsylvania College of Technology. Tamara chose a UV stabilized HDPE resin for the part. She chose a tapered cylindrical design using outer ribs for reinforcement and to provide an anti-slip function. She finalized her design using Autodesk Inventor.

The SPE Blow Molding Division has held its Student Design Competition annually since 2001, and has selected 20 different entries for recognition. The Division offers a monetary prize to a student or group of students who submit winning entries and an additional travel allowance is offered to the winners so they can present their proposal in a poster presentation at either a SPE Annual Blow Molding Conference or ANTEC. Those wishing to participate in the 2013 Design competition can do so by following the submission instructions at http://blowmoldingdivision.org/designcontest-writeup.html
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ABC 2012 Sponsor Highlights

R&D/Leverage's technical and beverage-specific expertise helped a visionary entrepreneur successfully launch his "now-why-didn't-I-think-of-that!" product in only a few short months, shattering the limitations of popular wine packaging and positioning the company for eventual national distribution.

Stacked Wine LLC (www.stackedwines.com) was conceived by creator and company co-founder Matt Zimmer, who sought a stylish, portable and recyclable, packaging solution for informal consumption, be it tailgating or in the backyard. A design team envisioned and sketched a practical and easily-stored four-pack of stem-less wine glasses that vertically stacked to form the equivalent of one full 750ml bottle of wine. Each individual serving was to communicate the look and feel of a real wine glass and deliver the durability of plastic. A foil seal would preserve the wine's freshness within each single serving and an overwrap would deliver brand messaging and consumer product information. The compact, stacked format would also appeal to shelf-space starved retailers and would allow 30 percent more cases per truckload than other format options.

"R&D/Leverage was highly recommended by an industry source," Zimmer said. "We needed expertise into how to commercialize our vision. And with so many launches in our industry, time was of the essence, since we compete against standard bottled wines and boxed wines, which are increasingly popular."

According to Jeff Beason, Project Engineer, R&D/Leverage, his team tweaked the customer's initial product sketches and delivered a manufacturable design with the snap-together feature that was a key to enhanced consumer and trade functionality. The design was completed and approved in just three weeks. "Critical to the success of the stacking design was the creation of a snap-together feature that involved precise undercuts." It was a challenge, and we got it done -- and quickly," Beason said. "Thanks to the technical support of R&D/Leverage," state Zimmer, "we commercialized a breakthrough concept loaded with consumer and trade appeal.

Müller presented an overview in gradation technology at the recent ABC 2012 in Pittsburgh. This process permits fading out or fading in of a uniquely colored top layers on bottle surfaces that is now being used for personal care packaging by several leaders of this industry. The personal care industry has shown an increasing interest in differentiating the appearance of plastics packaging. Not only has the shape of personal care bottles played an important role, but also the colors or color schemes

Wolfgang Meyer, President of W. Müller explained how Gradation technology applies a discontinuously extruded top or gradation layer over a continuously extruded background layer. The fading in and fading out is precisely controllable via extrusion of the gradation layer from a small accumulator. Displacement from the accumulator determines the start and the length of transition of the gradation layer.

Gradation technology can be a two-layer process, especially for transparent bottles out of clarified PP or co-polyester. If the use of regrind is required, a third or fourth layer is added in order to maintain color consistency of the background layer. Extrusion heads for gradation technology can be retrofitted on existing blow molding machines. A unique feature offered by W. Müller allows the use of gradation heads for regular two-layer co-extrusion. A copy of Wolfgang's presentation, along with those of other industry speakers, was included on the ABC 2012 usb drives distributed to all conference attendees.
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Up to $500 per person is available to attend an SPE Blow Molding Conference, an SPE Seminar in Blow Molding, or other program applicable to blow molding.

Eligibility Criteria:

1. The employee must be a full-time employee of one of our member companies (having at least one current member of the SPE Blow Molding Division).
2. The employee’s job function must be blow molding related.
3. The employee’s academic training must not be higher than Associate Degree.
4. The employee must have company recommendation and support.
5. Costs exceeding $500 will be the responsibility of the employee or employer.

How to enroll:

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2. Include a letter of support from your company.
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  - OSSBERGER Pressblower injection blow molding machines.
  - AOKI Stretch blow molding machines (Northeast USA).
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Contributions to the Blow Molding Division Education Committee

CKS Packaging contributed $1000 to our general education fund

Kautex Maschinenbau contributed $500 to our general education fund

Graham Engineering Corporation contributed $2000 for the Continuing Education Grant Program

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Minutes of Oct 8, 2011 Board of Directors Meetings at the ABC 2012

Committee Meetings October 8, 2012

BOD Meeting held at the Sheraton Station Square Hotel, Pittsburgh, PA

AI = ACTION ITEM

Executive Committee met from 7:40 – 8:25 am.
Attendees: Ben Lopez, Jamie Pace, Gary Carr, Terry Glass, Surendra Agarwal, John Rathman, Geoff Ward, Jeff Light, Lew Ferguson, Bob Jackson, George Hurden, David Calderone, Mark Heitker

Discussed BOD status and open positions including the Student Design Completion and Web Site Chairs. Marketing Committee will review proposals for our website.

Discussed need for changing officer and chair holders. Suggestion to designate co chairs to aid transition into new positions.

Discussion on Education initiatives, time requirements for Student Design Contest coordination, and a Beta site for technical training program. Propose asking David Calderone and Bob Delong to work together with a subcommittee to have the initial program in place by fall of 2013.

Our annual business meeting will be at ANTEC 2013.

AI Jeff Light – Organize a committee to assist with the Pinnacle Award and Communications Award submission. The Division is now more involved with SPE leadership activities. We need to be more proactive to qualify for the SPE rebate.

AI John Rathman – 3 Honored Service Award nominations to be submitted by the end of Oct.

Discussed five new candidates for the BOD.

Terry reported Quicken program is now being used for the treasurer’s records.

AI Scott Steele & Finance Committee – Provide guidance on Quicken report formats.

Prepare proposed 2013-2014 budget proposals prior to the Winter BOD meeting.

AI Terry Glass – Transfer the 2011-2012 Excess of the Prudent Reserve in the Operating Fund to the Grant Fund (Manning & Napier Fund)

AI John Rathman – Solicit interest and supporting documentation for 2013 Lifetime Achievement Award nominees. Four prospective nominees were mentioned.

Discussed our Division’s goals and update ideas. Goal for future ABC’s to include 500 attendees, a spouse program, and need to grow additional convertor and brand owner participation.

Continued on next page
AI Lew Ferguson – Prepare membership promotion package.

Education Committee: met from 8:30 – 11:45 am
Attendees: Geoff Ward, Ben Lopez, John Rathman, Dale Klaus, Mike Hall, David Calderone, Mark Heitker

New scholarship recipient is Harry Koshulsky from Penn College of Technology.

Kautex has pledged $4000/yr for the next 4 years for education support.

Student Design Contest had excellent quality projects this past year. David Calderone volunteered to assume this sub committee chair.

The 2nd installment of a $8000 School Grant has been issued to assist with purchase of a new die head for Penn State Eire’s lab Bekum blow molder.

We are paying for the travel and registration for 16 students and faculty at the ABC 2013 from Penn State Eire and Penn College of Technology.

Beta training site – Reviewed matrix of 5 potential training sites.
Made first pass review of the 2013-2014 Disbursement and Grant Fund budget worksheets.
Discussed solicitation ideas for additional educational sponsors. Need to put together a solicitation packet. Need a sponsor for the PlastiVan at ABC 2013.
Discussed plans for the beta blow molding training program.

Technical Program Committee met from 11:45 – 1:00 pm
Attendees: Surendra Agarwal, Mike Hall, Cal Becker, George Hurden, Gary Carr, Randy Moynihan, Ben Lopez, Jeff Light, Ron Puvak, Geoff Ward, Bob Jackson, John Rathman, Jamie Pace, Dale Klaus, Terry Glass, Lew Ferguson, Don Peters, Don Wiseman, John Sudgen, David Calderone, Mark Heitker

Reviewed ABC 2011 – growth of the conferences is continuing.
Reviewed ABC 2012 plans – The Pittsburgh section has provided active involvement providing good support.
Discussed the spouse program and dinner cruise. Growth in hotel rooms booked, 54 exhibitors (20% more than last year), 284 registries so far, and $94,000 revenue.

Suggestion made to return to Pittsburgh in 2015.
Atlanta is the location for ABC 2013 – Oct 8-9th.
ABC 2014 will be back in Chicago.
ANTEC 2012 review - Good papers but the Careers in Blow Molding session had a conflict with the Student Poster review.
ANTEC 2013 plans – No blow molding papers submitted yet with deadline approaching.
**AI Randy Moynihan** – Distribute ANTEC paper submissions for review by these volunteers: Ben Lopez, Dan Wiseman, Surendra Agarwal, Mark Heitker, George Hurden, and John Sudgen
ANTEC 2014 will be in Las Vegas.
Reviewed ABC 2012 logistics and schedule for board members. Reminder to nominate the “best” papers for use at the ANTEC 2013.
BOD toured the ABC 2012 facilities.
Reviewed SPE Meeting Anti-Trust Guidelines
**ABC 2012 sponsors** - Deirdre Turner presented the report. $94,076 revenue. The Pittsburgh Section solicited 2 sponsors.
Board of Director's Meeting October 8, 2011

AI = ACTION ITEM

- Call to order at 1:05 pm
  BOD Members present: Ben Lopez, Jeff Light, Gary Carr, Ron Puvak, Geoff Ward, John Rathman, Dale Klaus, Jamie Pace, Randy Moynihan, Cal Becker, Terry Glass, Lew Ferguson, Surendra Agarwal, Bob Jackson, George Hurden, Mike Hall, Gerry Hobson, and Mark Heitker
  BOD Members Excused: Scott Steele, Henry Vogel, Piaras de Cléir
  Guests: Dan Wiseman, John Sudgen, Dave Calderone, Don Peters

- Introductions & Welcome Guests – Ben Lopez

- State of the Board – Ben Lopez
  Reviewed the Organization Chart. Announced 2 new Sub Committee Chairs: Website - John Sudgen, Sponsorship - Jamie Pace, and Student Design Competition – David Calderone.

- Review of last Meeting’s Minutes & Action Items, and Annual Business Meeting Minutes – Mark Heitker
  Motion to approve ANTEC BOD meeting minutes with no revisions – Bob Jackson, 2nd Surendra Agarwal, approved by BOD majority.
  - Motion to approve Annual Business Meeting minutes with no revisions – Jeff Light, 2nd Surendra Agarwal, approved by BOD majority
  - Reviewed status of action items from the last BOD meeting at ANTEC 2012.
  - Passed current roster around for updates.

AI John Rathman – Order BOD Service Plaques for members who don’t have one.
  - Approved Minutes, updated action item list, and updated roster to be distributed.

- Treasurers report – Terry Glass
  Reviewed report.
  Records are now being maintained with Quicken software.

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Continued on next page
Last fiscal year records to be reviewed tomorrow by the Audit Committee.
SPE annual report and tax return to be completed by Nov 15th.
Report and prior year fund ledgers to be distributed.
Motion to approve the Treasurer’s report by Bob Jackson, 2nd by Surendra Agarwal – approved by majority of BOD

Al Terry Glass - SPE annual report and tax return to be completed by Nov 15th.
1st pass review of the proposed 2013-2014 Disbursement and Grant Fund budgets.
Discussion of the future of the Grant Fund and growth in the Manning & Napier Fund.
Plan to transfer the excess of the 2012-2013 Prudent Reserve in the Operating Fund to the Grant Fund (M&N Fund) to increase the balance of our education support endowment.
Reviewed examples of the new Quicken reports.
Reviewed the schematic showing the division’s financial accounts and the transactions between them.

- Councilors report review – Secretary read Scott Steele’s report
  Discussion on SPE Webinars and if we should participate - Little interest.
  National Parts Competition - Need more info.
  Use of National’s conference coordination services - No
  TopCon in China - Support with papers and moderators only. No financial commitment.
  SPE Connect - No interest in supporting.
  National Website – Continue with our own website
- Motion to approve the Councilor’s report by Jeff Light, 2nd by Geoff Ward – approved by majority of BOD

Event management discussion. Keep our involvement at the same level as in past.
Discussion on how we can involve the automotive blow molding community.
Polyolefin’s Conference in Houston – Interest in participation.

Continued on next page
AI Terry Glass – Organize the Division’s participation at the SPE Polyolefin’s Conference. SPE India conference, TopCon China, SPE Euro are looking for papers.

- **Nominations** –
  Reviewed BOD status and nominations for open positions. John Sudgen, David Calderone, George Rollend, Ken Carter, and Mohammad Usman are candidates. All five were elected to the BOD after this meeting. The voting record, updated 2012 Elections Slate, and revised Organization Chart to be distributed.

- **Education Committee – Geoff Ward**
  New scholarship recipient is Harry Koshulsky from Penn College of Technology.
  Kautex has pledged $4000/yr for the next 4 years for education support.
  Student Design Contest had 3 awards this year. Excellent projects submitted this past year from PSU Eire and Penn College of Technology. Proposal to produce a mold and part with a future winning entry. The 2nd installment of a $8000 School Grant made to assist with purchase of a new die head for Penn State Eire’s lab Bekum blow molder.
  Beta training site – Need a location for initial program. Calhoun College appears to have the facilities and resources but lacks a blow molding machine, an alternative is to use a simulator. David Claderone agreed to head up a new training sub committee including Mike Hall, Dale Klaus, and Bob Delong to put together a training program.
  Education report to be distributed.
  - Motion to approve the Education report by Surendra Agarwal, 2nd by George Hurden – approved by majority of BOD

- **Awards Sub Committee – John Rathman**
  Don Graham is the 2012 Lifetime Achievement Award recipient.
  Lew Ferguson and Mark Barger are new 2012 Honored Service Members.

- **Marketing Committee – Gary Carr**
  Reviewed ABC attendees and demographics.

Continued on next page
After ABC 2013 plan to interview attendees and conduct a post conference survey.
Discussion on how to ensure a strong draw at our ABC.
Developing a data base of contacts for future ABCs.
Part’s Display – Only 2 parts this year. Considering a part’s competition with awards.
Discussed updated announcement distribution for the Part’s Competition including posting on the website. Report to be distributed.

- **Membership Sub Committee – Lew Ferguson**
  - Static growth in division membership
    - **AI Lew Ferguson** – Prepare membership promotion package – a toolbox.
    - **AI Lew Ferguson** – Develop a plan to target processors and end users
  Report to be distributed.

- **Website subcommittee – John Sudgen**
  - **AI Ron Puvak** – Obtain webmaster proposals.
  - **AI Bob Jackson** – Obtain report on the progress of the website redesign.
  Discussed future sites for the ABC.
  - Motion to approve the Marketing reports by Bob Jackson, 2nd by George Hurden – approved by majority of BOD

- **New Business**
  - **Amend the Division’s Policy manual**
    - From Section B page 6
    - 5. ELECTION OF DIRECTORS
      New: As the close of each fiscal year, the terms of one-third of the total number of elected Directors shall expire. Directors are elected each year. The Council Representative is elected every three years. (see Division Procedures Manual). They shall be elected by secret mail ballot to the Division membership as provided by the Bylaws with at least two candidates recommended but not required if insufficient candidates are nominated for each position to be filled.
      Approved by >2/3 majority of the BOD.
      Don Peter nominated for Board Emeritus Status by Bob Jackson – Approved by >2/3 majority of the BOD.
    - Discussion on training activities.
      Winter BOD meeting to be held in Atlanta March 4-5, 2013 at the Crown Plaza Ravinia, the site of ABC 2013.
      - **AI Ben Lopez** – Obtain BOD input to update Division’s goals by year end.
      - **AI Ron Puvak** – Order BOD shirts for new board members.
      - **AI Mark Heitker** – Send out the updated Division Policy Manual with the recent revisions to all BOD.
      - **AI Ron Puvak** – Post updated BOD pictures on our website and update contact information using the most recent roster.
      - **AI Terry Glass** – Transfer last year’s accumulated interest ($722) from the now closed SPE Investment Fund (part of the Grant Fund) to the Disbursement Fund.

      Mark Heitker reviewed the new action item list generated during this meeting.

**ADJOURNMENT:**

3:50 pm Motion to adjourn Bob Jackson, 2nd by Surendra Agarwal – Approved by BOD
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