



Society of Plastics Engineers

BLOW MOLDING DIVISION

Vol 2015 Edition 1

PITTSBURGH



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INNOVATING, EDUCATING AND SUSTAINING THE FUTURE OF BLOW MOLDING

Sheraton Station Square Hotel
300 West Station Square
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The Sheraton Station Square Hotel in Pittsburgh, PA will be the site of the 2015 Annual Blow Molding Conference. Pittsburgh has a state-of-the-art airport with non-stop service to hundreds of cities across the U.S. and around the world. Many plastic related businesses and manufacturing sites are within driving distance of Pittsburgh making this an ideal location for the ABC.

Make plans now to attend this premier forum for the blow molding industry!

Get Started Early. Oct. 12th from 1:00 - 4:30pm.

Start your conference experience early by attending comprehensive mini-sessions featuring instruction focusing on the technology, processes, troubleshooting and methodologies of blow molding. Led by industry experts, these sessions will provide invaluable tips, suggestions and solutions!



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a member*

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Blow Molding
Division*



SOCIETY OF
PLASTICS ENGINEERS

Chairperson's Message



Dear Members and Associates,

As my term as Chair of the Division comes to an end later this month I'd like to use this platform to publicly thank my Executive Committee and the entire Board of Directors for their unwavering support, teamwork and dedication to this Division's goals and purpose. Over the course of the past two years much has been accomplished and the tracks for continued growth and success are firmly in place for continuance.

As some of you may know, much hard work and effort has culminated in the establishment of an ongoing blow molding educational curriculum conducted by the Blow Molding Division in conjunction with Calhoun College in Alabama. Several classes have already been held and the reviews by participants as well as their employers has been exceedingly positive. The opportunity for blow molding businesses to send their machine operators to a professionally run, hands-on, multi-day class lead by true industry leaders can only help their businesses grow and prosper. For more information regarding upcoming classes, please email us at blowmoldingdivision@gmail.com.

In addition to the successes this Division has had with the educational endeavor, we've had solid growth in our own annual technical conference or ABC over the past two years. Growth can be measured by many perspectives and as those of you that have attended our program have provided feedback in terms of the continued uptick in the quality of papers, attendees, sponsors, hosting venues, as well as the natural flow of the, full 2 day, event. This achievement could not have been realized without the commitment to the blow molding process by each and every one of us and certainly each ABC Chair, Co-Chair and Deirdre Turner's invaluable dedication to making sure every detail is covered.

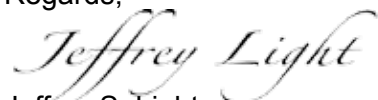
Another area in which the Division has excelled is in our support of SPE Annual technical conference (ANTEC), being held in conjunction with NPE again this year in Orlando, FL the week of March 23rd. It seems like each year the Blow Molding Division has more high quality presentations to offer. On Wednesday the 25th starting at 1:30PM in room number S330E we will be hosting 6 Technical Papers covering many topics specific to the blow molding process. Also at ANTEC, the Blow Molding Division has been awarded the opportunity to submit four blow molded parts for consideration into the SPE's Global Parts Competition – "Plastics for Life" event. Our Entries include the Esky 135 Quart Cooler submitted by Hawkeye Preferred Tooling Group, the Foam Core Parking Block, submitted by Pinnacle Plastics Products, the 400 ml Precision Products Bottle submitted by Amsler Equipment, Inc. and the Stack Wine, submitted by R&D Leverage. I encourage all attending NPE to register for ANTEC and take advantage of the opportunity to learn more about what's coming down the pike for the future of our industry.

During the course of the proceedings, the Blow Molding Division will again be recognized in having been awarded both the Pinnacle Gold and Communication Excellence awards. These honors recognize this Board's level of commitment to successfully creating and delivering member value after having been reviewed in four categories as well as having met additional criteria in implementing effective communication practices. Congratulations to the entire Board for their collective commitment.

As we soon turn our focus to "post-ANTEC" goals, I'm pleased to share that this Board has already been hard at work laying the foundation for ABC 2015, which will be held in Pittsburgh, PA October 12-14, at the Sheraton Station Square. Given the theme of ABC 2015 – The Three Rivers of Success – Innovation, efficiency and sustainability it should come as no surprise that we'll again be hosting a plethora of industry leaders to address "new" topics as well as seasoned educators and pioneers to share innovations and improvements that could benefit all that participate. So please REGISTER TODAY by visiting our new and improved website @ www.blowmoldingdivision.org.

Again, thank you to all the Directors for their support and dedication to our common cause over the past two years and a sincere best wishes to the incoming Chair, Mr. Jamie Pace. I hope your term is as enjoyable and fulfilling for you as this Board has helped to make my own. Cheers!

Regards,



Jeffrey S. Light
2013-14 SPE Blow Molding Division Chair
SPE Senior Member



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ABC 2015 Blow Molded Parts Competition Entry Form

Entry Deadline: October 2, 2015
Shipment Deadline: Oct. 11, 2015

As the premier event for the blow molding industry, the Annual Blow Molding Conference showcases the latest advancements and innovations in blow molding design and applications. This year, the SPE Blow Molding Division invites all conference attendees, speakers and sponsors to participate in the **Third Annual Blow Molded Parts Competition**.

Product Entry Submission Form

Submitter / Attendee*: _____

Submitter Company Information*: _____

Part Name*: _____

Manufacturer / Blow Molder: _____

Designer / Other Contributors: _____

Mold Maker / Toolmaker: _____

Material Supplier / Resin Type: _____

Address*: _____

City: _____ State: _____ Postal Code: _____ Country: _____

Telephone*: _____ Mobile Phone*: _____ Fax*: _____

Email*: _____

Submitter signature and Release of Liability*: _____ Date: _____

Product Category: please check one
 Packaging: Food Beverage Pharmaceutical Packaging Other
 Industrial: Automotive / Transportation Consumer Goods Industrial Other

Shipping Information:

SPE Blow Mold Conference
 PART COMPETITION
 Sheraton Station Square Hotel
 300 West Station Square
 Pittsburgh, PA 15219
 Hotel Contact: Ms. Christine Engel
 Tel: (412) 803-3871

Parts should be shipped no more than 2 business days in advance of event. Shipments will be delivered to the conference registration area outside of the exhibit hall. Each entry should be shipped with a completed return bill of lading form.

Submission Instructions:

Email the following to parisonsblowmolding@gmail.com

- Completed and signed entry and release form
- Display and judging information form
- Product image in a jpg format

The image and description should be suitable for publication. A separate entry form, description and photo will be required for each submission.

Contact: Lew Ferguson, Chair, Blow Molded Parts Competition
 Email: parisonsblowmolding@gmail.com Tel: 313-506-4637



ABC 2015



BLOW MOLDED PARTS COMPETITION

Part Name:

Submitter / Company:

Part Description

[1 to 3 sentences]



Part Features / Benefits:

[include novel features of the part like, design, manufacturing, material application, parts consolidation, commercial implications, sustainability, safety, cost savings – up to 12 bullet points]





Photo of the Part:

▶ Please send a JPEG picture of the part as a separate file.



ABC 2015 Blow Molded Parts Competition Guidelines

1. Parts may be entered by any conference attendee, speaker or sponsor (up to two parts per participant)
2. All entries must include a plastic form utilizing the blow molding process in some portion of the product.
3. All submissions must be new to the market starting commercial production within the last two years and made from production tooling.
4. Parts must be able to fit on display table. If you wish to display a part large than 48 inches, please contact Lew Ferguson, parts Competition Chair at parisonsblowmolding@gmail.com to discuss.
5. A completed entry form, display and judging information form and a photo for each part must be sent to the Parts Competition Chair by **Oct. 2, 2015**.
6. A Display Form will be provided by the Parts Competition Committee using information contained in the entry form.
7. The Judging Committee may consolidate parts in categories, if fewer than 4 parts are submitted in a category.
8. No electric power connections are provided. If needed, power may be arranged through the hotel by contacting meeting services at 773-693-4444.
9. No business cards, marketing materials, laptop presentations, etc. may accompany the part in the display area. The display is intended to be an exhibit to encourage discussions and technology exchange. No sales or marketing activities in this area will be permitted; however, there are conference sponsor opportunities to do so (visit www.blowmoldingdivision.org)
10. All shipments must follow the mailing label format as indicated in Shipping Information on the application.
11. Submitters will be responsible for collecting, unpacking and setting up their parts in the Parts Competition area located outside the ABC 2015 Exhibit Hall. Set-up hours are Mon., Oct. 12th from 8:00-5:00 p.m. **All displays should be set-up by 5:00 p.m. on Oct. 12th**. For more information about shipping and retrieving your parts, please contact Ms. Christine Engel, Sheraton Station Square at (412) 803-3871.
12. Submitters will be required to pack and prepare their parts for outgoing shipment by 5:00 p.m., Wed., Oct. 14th which marks the conclusion of the Blow Molding Conference. The SPE Blow Molding Division is not responsible for any unclaimed parts after ABC 2015 concludes.
13. The Blow Molding Division winners will be announced at ABC 2015 Awards Reception and Program on Tues., Oct. 13th at the Sheraton Station Square Hotel.

RELEASE OF LIABILITY

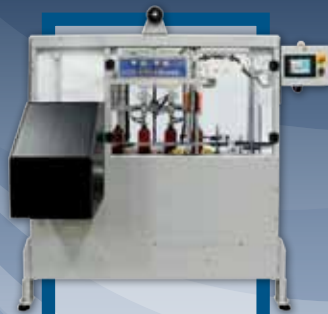
Submission of an entry releases from liability, indemnifies and holds harmless the Society of Plastics Engineers Blow Molding Division, Directors, volunteers, employees or agents representing or related to The Society in part or whole. This release is for any and all liability for property losses and/or damage occasioned by, or in connection with any activity or accommodations for this event. Submission of an entry further agrees to abide by all the rules and regulations promulgated by the SPE Blow Molding Division and/or its affiliate groups or vendors throughout this conference event.

RELEASE OF PUBLISH

Submitters and individual category winners may receive publicity in trade journals or other publications. Submission of an entry constitutes acceptance of said publicity and confirms that the submitter has secured the necessary approvals to participate in the Blow Molded Parts Competition and to be featured in any subsequent publicity.



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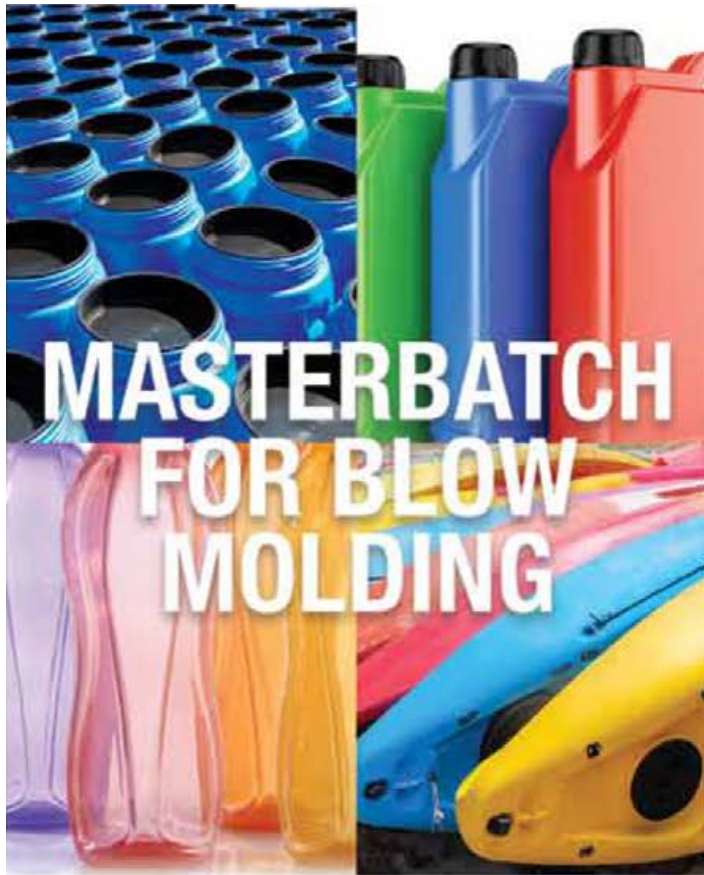
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2015 Division Sponsor Highlights

Agr introduces new capability in its Pilot Profiler™ system to manage CO₂ and water loss in PET bottles

Agr International recently introduced a new capability for its Pilot Profiler™ in-the-blowmolder thickness management system which can now monitor shelf-life for CO₂ or water loss at the point of production by incorporating a version of the M-RULE container performance model. This provides plant managers with a continuous status of the predicted shelf-life performance as well as the capability to proactively manage critical bottle parameters to maximize the shelf-life of containers in production.

This new feature is the result of the combination of two proven products: Agr's Pilot Profiler thickness management system and the M-RULE® Container Performance Model. These components have been integrated to provide an on-line tool that can not only effectively monitor material distribution to a very fine degree as needed for the successful production of ultralight bottles, but also monitor the shelf-life performance of those bottles at the same time.

By monitoring the material distribution of the blown container as well as shelf-life performance characteristics, the Pilot Profiler along with Process Pilot automated blowmolder control system are able to account for subtle changes in the process affecting shelf-life and other performance factors that would normally go undetected by the operator. This prevents the process from drifting out of control before the operator's next quality sample, averts the loss of precious little processing margin and provides operators with a means to maximize shelf-life performance of bottles in production.



Agr International Inc., develops and manufactures a full line of laboratory and on-line testing/quality control devices for containers and similar products for the plastic and packaging industry. The Agr headquarters and main manufacturing facility is located in Butler, PA, USA.

Creative Blow Mold Tooling and Big 3 Precision form strategic partnership.

Creative Blow Mold Tooling (Lee's Summit, MO) and Big 3 Precision (Centralia, IL) have announced the formation of a strategic partnership to create Centers of Excellence (CoE) for the design and manufacture of injection blow and injection stretch blow molds (IBM/ISBM), as well as the design and manufacture of extrusion blow molds.

With over 30 years of experience building extrusion blow mold (EBM) tooling, Creative Blow Mold Tooling designs and builds EBM tooling from idea to 3D design engineering and development to superior consumer packaging for some of the largest brand owners in North America. Using Computational Fluid Dynamics simulation technology, Creative can improve mold performance and customers' ROI, while bringing innovative packaging solutions to the marketplace.



Both companies have relationships that process on both platforms and this partnership will allow both companies to better and more broadly serve their respective customer base.

"Creative is an ideal company for Big 3 Precision to partner with because of its outstanding extrusion blow molding capabilities, something that Big 3 Precision has not been supplying to its customers," said Clinton Hyde, Vice President of Sales & Engineering for Big 3 Precision. "Now, through this partnership our customers can also order extrusion blow molds from us and receive the expert engineering and manufacturing that Creative has been providing for 30 years."

The goal of the partnership and the CoE is to help existing customers with speed to market through increased product development and support. Big 3 and Creative also intend to use the CoE concept to help balance engineering and manufacturing capacity, increase efficiencies and further reduce lead times for customers. The partnership will allow customers to source tooling on complementary platforms through a known and trusted business partner. For some customers, access to the CoE will allow them to more quickly and efficiently expand their existing capabilities to other platforms.

2015 Division Sponsor Highlights

Eurotherm celebrates 50 year anniversary. Eurotherm by Schneider-Electric is a global supplier of measurement and instrumentation for process and machine control applications. For 50 years, Eurotherm has built an international reputation for developing premium quality, "fit for purpose" products and plastics solutions. Eurotherm brand controllers have long been recognized for leading innovation in the plastics processing, automation and machine controls market.

"Every one of the solutions we provide is drawn from a comprehensive family of configurable process control, data management, and scalable products and systems" said Steve Schroeder, from Eurotherm. Steve added "In those 50 years of supplying MACO Control Systems for plastics only applications to OEMs and end users, we have built a reputation for quality and longevity unmatched in our industry."

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R&D/Leverage® Injection Mold Making Services Selected by the Innovators at Replenish Bottling. Innovation-driven Replenish Bottling, creators of a bold new format for plastic spray bottles and containers – truly reusable bottles designed for consumer mixing – turned to R&D/Leverage for its injection mold building expertise when it was time to scale up from initial pilot molds.

According to California-based Jason Foster, Founder and "Chief Reuser" of Replenish, his team met the R&D/Leverage team at a trade show in Florida, and the rest, as they say, is history. "At that point, we had made some tools, but nothing had been scaled up," Foster said. "From the inception of our partnership with R&D/Leverage, it was clear that they recognized and were excited about the potential of our new category, and that their expertise is second-to-none. Together, we are changing what a bottle can be."



R&D/Leverage's Project Manager Dave Taylor noted the immediate chemistry between the two teams. "We can handle everything from unit tools to 144-cavity production molds" he said, "and, in this case, we wanted to pioneer a new packaging category with Replenish. We were totally up for the challenge and were ready to partner with them to help commercialize their breakthrough vision." Replenish, through its partnership with R&D/Leverage USA, today continues its mission to eliminate waste and save money. The company's goals, which include the marketing of its efficient, affordable and scalable refill system across brands and product categories, are being reached. "Most products we buy are 90 percent water [95-99% actually, but that's neither here nor there], with only a small amount of active ingredients," said Replenish's Foster. "Our reusable bottling platform, created thanks to our true partnership with R&D/Leverage, helps us reach brand owners from household products to consumer beverages. It is a win for us, brand owners, retailers and consumers – and the planet."

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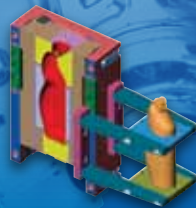
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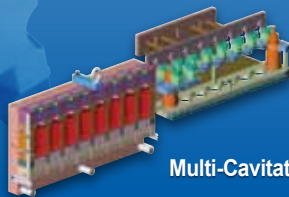
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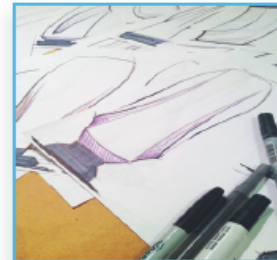


With Us, Ideas Take Shape

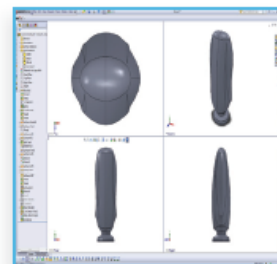
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Annual Blowmolding
Conferences at:

<http://www.4spe.org/pfn>
user name: ABC Guest
password: plastics

CREATIVE BLOW MOLD TOOLING

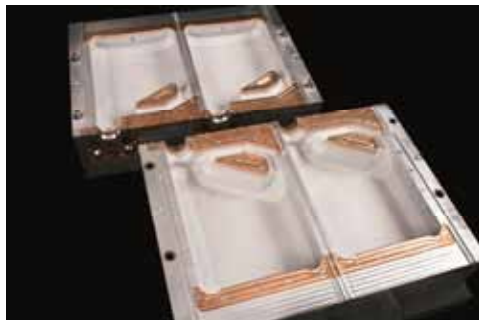
From Idea to 3D Design Development...



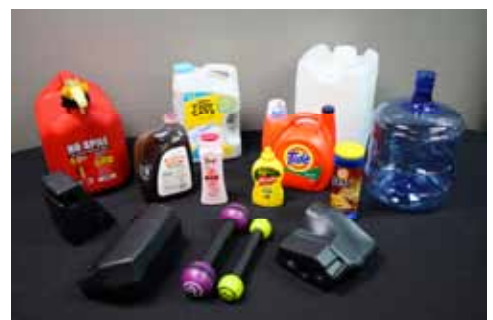
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Fundamentals of Blow Molding

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Outline Day 1

- Safety
- Types of machines used
- Melting and screws
- Learn to speak HDPE
- Startup and shutdown
- Troubleshooting
- Melt fracture
- Controlling oxidation/burn
- Programming
- Tooling adjustment

Outline Day 2

- Troubleshooting continued
- Parison adjustments
- Safety features
- Start-up procedures (specific to machine)
- Tail length and bottle weight adjustment with programmer and RPM
- Cycle adjustment and effect on overflow volume

The SPE Blow Molding Division has partnered with Calhoun Community College's Workforce Solutions division to conduct blow molding technical training. Classes were conducted in October 2014 and February 2015 with attendees from Alabama, Tennessee, Georgia, North Carolina, Missouri, Texas, and Washington. The two day course was held at Calhoun's campus in Decatur, Alabama. The equipment for the training was provided by Jackson Machinery, Wittmann Battenfeld, Inc., and Invensys Eurotherm. HDPE resin was provided by Ineos O&P, USA. David Calderone and Bob DeLong developed the curriculum and were the instructors for the course.

Continued on next page

Feedback from course attendee:

“The class was excellent in terms of the subject material presented. It was very clear that both Bob and David are experts in blow molding. Moreover, they articulated the material in a manner that made it easy to comprehend.”
Peter Martin, Univation Technologies

The next classes are scheduled for June 15-16, and September 14-15, 2015.

For more information go to:

<http://www.blowmoldingdivision.org/fundamentals-of-blow-molding-seminar/> or
https://www.calhoun.edu/workforce_development/workforce_solutions/industrial_technologies.aspx



Blow Molding Lab



Blow Molding Classroom

The Blow Molding Division’s Continuing Education Grant Program cosponsored by Graham Engineering was used to assist attendees of this course from Cox Container and Arch Plastics Packaging. For more information on this grant program see:

<http://www.blowmoldingdivision.org/scholarships-workplace-training/>



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Calhoun Community College - Aerospace Training Center

June 15 - 16, 2015 and September 14 - 15, 2015

DAY ONE

- SAFETY
- TYPES OF MACHINES USED
- MELTING AND SCREWS
- LEARN TO SPEAK HDPE
- STARTUP AND SHUTDOWN
- TROUBLESHOOTING
- MELT FRACTURE
- CONTROLLING OXIDATION/BURN
- PROGRAMMING
- TOOLING ADJUSTMENT

Optional Group Dinner

DAY TWO

- TROUBLESHOOTING CONTINUED
- PARISON ADJUSTMENTS
- SAFETY FEATURES
- START-UP PROCEDURES
(Specific to machine)
- TAIL LENGTH AND BOTTLE WEIGHT
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www.blowmoldingdivision.org/fundamentals-of-blow-molding-seminar



David Calderone is president of Alternatives 4 Plastics, a common sense and hands-on consulting firm for the plastic blow molding industry. David has been in the blow mold industry for 45 years and was a plant manager by the age of 25. David's career began on the floor packing and over time, becoming an operations manager overseeing a 300 employee plant with three unions in the facility. Mauser Group, Consolidated Container, Clearglass Containers and Liqui-Box are just a few of the bigger corporations David has worked for. His career includes many start-to-finish projects with large companies such as J&J, Zimmer Patient Care, Corning, and several medical companies and cosmetic companies like Victoria's Secret, Bath & Body Works, and Crabtree & Evelyn.

As a co-owner in the fast growing business of personal care containers, David managed the operations. Later the company was purchased by one of the top 10 ranked blow molding companies in the country, and is still in operation today.

David interacted closely with the State's Industrial Development Boards while building two green field plants from start to finish. He even served on one of the Industrial Development Boards after building a plant in their area.

David presently serves on the Society of Plastics Engineers Blow Molding Division Board of Directors and is Chair of the Division's Training Sub-Committee.



Bob DeLong's career in plastics started in R&D at Hercules Powder in 1956, working on applications for the then-experimental Polypropylene. He blew the world's first PP bottles using a hand-operated machine built by Plax. In the 1960's, Bob led Celanese's (now Ineos) customers on processing techniques during the milk container's explosive growth period. Operator training was a key ingredient as the dairies moved to self manufacture, and this was the beginning of his teaching and consulting. Bob also taught semester courses in blow molding in Newark College of Engineering's associate degree program.

Bob spent 21 years as a senior consulting engineer at Solvay's Tech Center in Houston, active in all aspects of HDPE and PP blow molding. This included resin formulation, molds and tooling, field service, and training. End-uses ranged from household chemicals to multi-layer atmo gas tanks to extra large parts such as septic tanks.

A long time member of the SPE, he became a senior member in 1969, elected a Fellow of the Society in 2002, and received the Blow Molding Division's Lifetime Achievement Award in 2004. Bob served on Blow Molding Division's Board from 1995 until 2006, and is a frequent presenter at the Annual Blow Molding Conference. Bob is published in *Modern Plastics*, *Canadian Plastics*, *Plastics Technology*, as well as in several molding handbooks.

A member of the SPE since 1957, he became a Senior member in 1969, elected a Fellow of the Society in 2002, received the Blow Molding Division's Lifetime Achievement Award in 2004, and was inducted into the SPE's Plastics Hall of Fame in 2015.

This course has been initiated by the Society of Plastics Engineers Blow Molding Division in conjunction with Calhoun Community College. It is designed to give a better understanding of the Plastic Blow Molding process in North America. This course is designed for both students as well as those currently employed within or around a plastics blow molding business.

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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.

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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).
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**BOD Winter Meeting held at The Westin Tampa Bay
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Committee Meetings February 17, 2015

Executive Committee (met from 7:00 –9:00 am)

Attendees: Jeff Light, Ben Lopez, Dr. Geoff Ward, Jamie Pace, Cal Becker, Gary Carr, Terry Glass, Mark Heitker, Dr. Surendra Agarwal, Scott Steele, Ron Puvak and Brian Spence. Excused George Rollend

Topics Discussed:

- Review finances under the new National Account
- D30 Budget Shortfalls
- Review BOD Slate 2015 and beyond
- BOD Attendance and Participation
- Evaluation of self-assessment form and individual performance requirements
- Reviewed updated D30 Policy manual
- Jeff reminded us all the importance of meeting attendance and of our attendance policy
- Strategic Planning Group for 5 yr. plans
- Need for additional Co chairs
- Move financial reporting to calendar year

Board of Director's General Session Meeting February 18, 2015

□ **Call to order at 11:00 am**

BOD Members present: Jeff Light, Terry Glass, Ben Lopez, Gary Carr, Dr. Geoff Ward, John Rathman, Randy Moynihan, Lew Ferguson, George Hurden, Jamie Pace, Mark Heitker, Cal Becker, Dr Surendra Agarwal, Dale Klaus, Ron Puvak, John Sugden, Gerry Hobson, Mike Hall, Bob Jackson, David Hayward, Brian Spence, Piaras de Cléir, Scott Steele and Ken Carter

BOD Members Excused: George Rollend, Mohammad Usman, David Calderone and Henry Vogel

Board Candidates/Visitors: Don Maines, Rama Etekallapalli, Kathy Birchmeier, Dan Patek and Deirdre Turner

SPE National Visitors: Dick Cameron SPE President elect

□ **Introductions & Welcome to the BOD – Jeff Light**

1. Welcome all Board Members
2. Reviewed SPE Meeting Anti-Trust Guidelines
3. Welcomed board candidates and SPE National Visitor

□ **BOD Agenda / Motions**

1. A Motion by Ben Lopez to increase the D30 Board of Directors from 29 to 32 Members for previous visitors. 2nd by Jamie Pace unanimous approval by Board majority.
2. A Motion to accept board candidates Rama Etekallapalli, Kathy Birchmeier and Don Maines to the D30 Board of Directors by Ben Lopez, 2nd by Jeff Light, unanimous approval by Board majority. Welcome new board members!
3. A vote for the election BOD Slate for the expiring 2012- 2015 BOD slate
 - A motion to approve the 2015 – 2016 BOD Slate without revision by Gary Carr, 2nd Surendra Agarwal, approved by BOD majority.
4. Approval of the 2015 – 2016 Budgets for the Operating Disbursements and Grant Funds
 - A motion to approve the 2015 – 2016 Budget by Mark Heitker, 2nd Geoff Ward, approved by BOD majority.

Continued on next page

5. A vote to not transfer end of year fiscal funds which was deferred at the end of 2014, until the 2015 winter meeting.
 - A motion to approve not to transfer deferred end of year fiscal funds by Terry Glass 2nd Mark Heitker, approved by BOD majority
6. A vote to approve the proposed revisions to the D30 Policy Manual
 - A motion to approve the revisions to the D30 Policy manual by Mark Heitker 2nd Piaras de Cleir, approved by BOD majority

□ **Review of last Meeting Minutes & Action Items – Cal Becker**

1. Approved Meeting Minutes from 2014 ABC, reviewed and updated action item list, plus updated roster are attached.
 - A motion to approve the BOD ABC 2014 meeting minutes with no revisions by Mark Heitker, 2nd Surendra Agarwal, approved by BOD majority.

□ **SPE National Attendance and Communication**
Dick Cameron Discussed the following topics:

1. The updated National website & The Chain <http://www.4spe.org/>
2. SPE National tactical steps to reaching our strategies for SPE globally.
3. National Budgeted \$80k in the black and ended the year ~ \$100 K due to web advertising
4. Agreed that student fees for attending the ABC shouldn't be counted as conference revenue
5. Suggested reading the book "Race for Relevance" 5 Radical Changes for Associations September 3, 2013
6. The addition of Russ Broom has improved the National organization

□ **ABC 2014 TPC and Marketing Review/Report-**

Information Provided By Brian Spence, George Rollend and Dr. Surendra Agarwal

1. Reviewed the TPC and Marketing report
2. Several good ideas presented by Brian Spence to grow D30
3. Several hours of the BOD meeting was used for planning the 2015 ABC

- A motion to approve the TPC and Marketing reports by Brian Spence, 2nd David Hayward, approved by BOD majority

□ **Treasurer's report – Terry Glass**

1. Reviewed the treasurer's report
 - Discussed the desire to go to calendar year budget
 - Payment to National will be in 30 – 60 days
 - A motion to approve the Treasurer's report by Ken Carter, 2nd Bob Jackson, approved by BOD majority

□ **Councilor's report – Scott Steele**

- A motion to approve the Councilor's report by Lew Ferguson, 2nd Gerald Hobson, approved by BOD majority

□ **Education Committee – Dr. Geoff Ward**

Education Committee Discussions

- Division Training & Calhoun College Update
- Scholar Program Updates
- Corporate Sponsors Update
- Disbursement Budget Update

❑ **Awards Sub Committee – John Rathman**

1. Need 2015 suggestions for Lifetime Achievement Award
2. Hall of Fame Recipient Bob DeLong to be awarded at ANTEC
3. Update the honored service member spreadsheet

❑ **Parts Competition Sub Committee – Lew Ferguson**

1. The blow molded parts competition was reviewed
2. Discussed the desire to grow this program.
 - A motion to approve the Education Report without revision by John Rathman
2nd ,Randy Moynihan - approved by BOD majority

❑ **New Business**

1. Two BOD at a time will be drawn from a hat to provide Technical Articles for Division Newsletters
2. Cal Becker to submit a draft of action Items to Board
3. Many thanks to those that attended and contributed to the start of the 2015 Year!

❑ **ADJOURNMENT:**

2/18/2015 3:00pm Motion to adjourn by Jeff Light,
2nd by Gary Carr – approved by BOD

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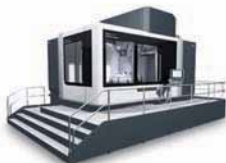
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September 2014

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Contributions to the Blow Molding Division Education Committee

Kautex Maschinenbau

contributed \$4000 to our general education fund

ALPLA

contributed \$4000 to our general education fund

Graham Engineering Corporation

contributed \$2000 for the Continuing Education Grant Program

CKS Packaging

contributed \$1000 to our general education fund

Nissei ASB

contributed \$1000 to our general education fund

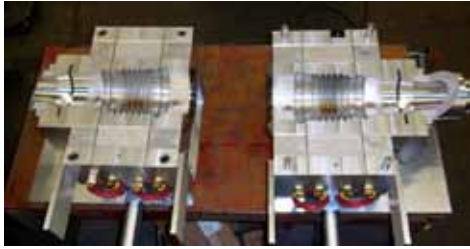
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Jamie Pace
Nissei ASB Company
125 Westlake Pwky, Suite 120
Atlanta, GA 30336
Ph: 404/969-3105 Fax: 404/696-9009
Cell: 404/502-4508
E-mail: j.pace@nissei-asbus.com

PAST CHAIRPERSON



Benjamin Lopez
Kautex Maschinenbau GmbH
Kautexstrasse 54
Bonn, Germany 53229
Ph: 0049/170 7850887
FX: 0049/228 489 404 Cell: 517/402-6346
E-mail: benjamin.lopez@kautex-group.com

FINANCE CHAIRPERSON, COUNCILOR



Scott Steele
Plastic Technologies Inc.
1440 Timberwolf Drive
PO Box 964
Holland, OH 43528
Ph: 419/867-5403 / 867-5400
FX: 419/867-7700 Cell: 419/392-2711
E-mail: s.steele@plastictechnologies.com

SECRETARY



Cal Becker
Eastman Chemical Co.
137 Regional Park Dr.
Kingsport, TN 37660
Ph: 301/606-2544
E-mail: cjbecker@eastman.com

TREASURER



Terry Glass
Braskem America
550 Technology Drive
Pittsburgh, PA 15219
Cell: 979/236-3617
E-mail: Terry.glass@braskem.com

TECHNICAL PROGRAM CHAIRPERSON



Surendra Agarwal
Creative Group of Industries
501, Embassy Center
Nariman Pt., Mumbai 400005
Ph: 91-22-4078-0000 FX: 91-22-4078-0023
Cell: 91-98-2091-2457
E-mail: surendra@creativeplasticindia.com

EDUCATION CHAIRPERSON



Geoff Ward
Agri Industrial Plastics
301 N. 22nd Street
Fairfield, IA 52556
Ph: 641/472-4188 FX: 641/472-7120
E-mail: geoff.ward@agriindustrialplastics.com

MEMBERSHIP SUB-COMMITTEE CHAIR



Henry Vogel
Heise Industries
196 Commerce St.
E. Berlin, CT 06023
Ph: 860/828-6538 Cell: 610-349-0164
E-mail: henryv@heiseindustries.com

MARKETING CO-CHAIRPERSONS



Gary Carr
Bekum America Corp.
1140 W. Grand River
Williamston, MI 48895-0567
Ph: 517/655-7135 FX: 517/655-4121
Cell: 517/881-5764
E-mail: gcarr@bekumamerica.com

George Rollend
DAK Americas, LLC
38 Green Road, Amherst, NH 03031
Ph: 603/672-6403 Cell: 302/547-1054
E-mail: grollend@dakamericas.com

NEWSLETTER EDITOR



Ron Puvak
Plastic Technologies Inc.
1440 Timberwolf Drive
Holland, OH 43528
Ph: 419/725-5613 Cell: 419/708-1486
E-mail: r.puvak@plastictechnologies.com

AWARDS SUB-COMMITTEE CHAIR



John Rathman
Chevron Phillips Chemical Co. LP
Plastics Technical Center, Room 155
Highways 60 & 123
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Ph: 918/977-4879 Fx: 918/977-7599
Cell: 918/327-9378
E-mail: rathmjr@cpchem.com

WEBSITE SUB-COMMITTEE CHAIR

John Sugden
The Dow Chemical Company
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Dave Calderone
Alternative 4 Plastics LLC
2218 Kadyday Way, Murfreesboro, TN 37128
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Ken Carter
Deere & Company
One John Deere Place, MTIC
Moline, IL 61265
Ph: 309/765-3765 Cell: 608/432-9457
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Mark Heitker
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205 PTC/BTC, Highways 60 & 123
Bartlesville, OK 74004
Ph: 918/661-0640 Fax: 918/661-0311
Cell: 918/440-4090
E-mail: MOYNIRH@cpchem.com



Piaras de Cléir
Kraft Foods
555 S. Broadway
Tarrytown, NY 10591
Ph: 914/425-6218 Fax: 914/425-6218
Cell: 914/656-2969
E-mail: pdeclair@kraft.com

Board of Directors



Mike Hall
Kyoda America Industries Co.
850 Progress Center Ave.
Lawrenceville, GA
Ph: 770/237-0364 Cell: 706/799-1761
E-mail: mike@kyodoamerica.com



George Hurden
Kautex Machines Inc.
201 Chambers Brook Road
North Branch, NJ 08876
Ph: 908/252-9350 Cell: 203/605-3305
E-mail: George.Hurden@Kautex-Group.com



Lewis Ferguson
Parisons
9900 Sunset Drive
Stone Harbor, NJ 08247
Ph: 609/368-7230 Cell: 313/506-4637
E-mail: parisons@aol.com

Mohammed Usman
Ford Motor Co.
Ph: 313/805-9797
E-mail: musmad@ford.com



Dale Klaus
Quality Custom Molding
209 W. Main
Linn, MO 65051
Ph: 573/897-4166 Fax: 573/897-3482
Cell: 314-223-5483
E-mail: dklaus@qualitycustommolding.com

Brian Spence
ProTech, LLC
Cell: 919/475-0692
E-mail: Bspence@protech-LLC.com



Bob Jackson
Jackson Machinery, Inc.
3830 Highway H
Port Washington, WI 53074
Ph: 262/284-1066 FX: 262/284-5466
Cell: 414/828-3830
E-mail: bobJ@jackson-machinery.com

David Hayward
Silgan Plastics
1858 Meca Way
Norcross, GA 30098
Ph: 770/243-5201 Cell: 678/772-9458
E-mail: d.hayward@silganplastics.com



Gerald Hobson
Hobson Consulting LTD
21721 Wildwood Place
Shell Rock, IA 50670
Ph: 319/885-6564 Cell: 319/230-0994
E-mail: ghobson@hobson.com

John Headrick
NAMPAC
4101 Lake Boone Trail, Suite 201
Raleigh, NC 27607
Ph: (905) 751-1828 FX: (905) 751-2390
E-mail: john.headrick@nampac.com

EMERITAS



Robert DeLong
Blasformen Consulting
4914 Maple Terrace
Kingwood, TX 77345
Ph: 281/360-5333
E-mail: done7106@earthlink.net

Don Peters
Phillips Chemical-Retired
154 PTC, Highway 60 & 123
Bartlesville, OK 74004
Ph: 918/661-3117 FX: 918/662-2220
E-mail: judopeters@aol.com



Robert Slawska
Proven Technology, Inc.
5 Woodshire Way
Hillsborough, NJ 08844
Ph: 908/359-7888 or 908/759-2407
Fax: 908-359-1006
E-mail: rslawska@aol.com

Affiliated Members

Deirdre Turner
42 Regal Drive
Rochester Hills, MI 48037
Ph: 248/505-5136
E-mail: dturner@earthlink.net

Jon Ratzlaff
Chevron Phillips Chemical Co. LP
Plastics Technical Center
Highways 60 & 123
Bartlesville, OK 74004
Ph: 918/661-3127
E-mail: RATZLJD@cpchem.com

Active Members



Jonathan A. Meckley
Penn State Erie
Burke Center - School of Engineering
5101 Jordan Road, Erie, PA 16563
Ph: 814-898-6147 Fax: 814-898-6006
Cell: 814-572-2934
E-mail: jmeckley@psu.edu

Timothy W. Womer
TW Womer and Associates, LLC
262 East River Road
Edinburg, PA 16116
Ph: 724/355-3311
E-mail: Tim@TWWomer.com



Mark Barger
The Dow Chemical Company, Inc.
200 Larkin Center
1605 Joseph Drive
Midland, MI 48674
Ph: 989/636-1263 FX: 989/636-0194
Cell: 989/906-2083
E-mail: mabarger@dow.com

Gary S. Henneberry
265 Shreve St.
Mt. Holly, NJ 08060
Ph: 609/261-3221 Cell: 609/850-1853
E-mail: Henneberryg@comcast.net



Mridula (Babli) Kapur
The Dow Chemical Company
Basic Plastics R&D
2310 N. Brazosport Blvd, B-1470-D
Freeport, TX 77541-3257
Ph: 979/238-5684 Fax: 979/238-0488
Cell: 979/665-1611
E-mail: mkapur@dow.com

Jack McGarry
MBK/Blow Molding Machinery, LLC
6 Towpath Way
New Hope, PA 18938
Ph: 215/630-2892 FX: 215/862-4963
E-mail: beige2@aol.com



Daryle Damschroder
D2 Blow Molded Solutions
930 Ohio Ave.
Elmore, OH 43416
Ph: 419/862-3134 Cell: 419/680-4234
E-mail: ddamschroder@woh.rr.com

