SOCIETY OF PLASTICS ENGINEERS
BLOW MOLDING DIVISION

OFFICERS
Chairperson
Ben Lopez
Chairperson Elect
Jeff Light
Secretary
Mark Heitker
Treasurer
Terry Glass
Councilor
Mark Barger
Past Chairperson
Scott Steele

COMMITTEE CHAIRPERSONS
Education
Geoff Ward
Marketing
Gary Carr
Jeff Light
TPC Chairperson
Surendra Agarwal
ABC Conference Coordinator
Deirdre Turner

The Pittsburgh Sheraton Station Square will be the site of the 28th Annual Blow Molding Conference featuring technical presentations in packaging, medical and industrial applications covering such topics as technological innovations, materials, advancements in design, safety and sustainability.

You don’t want to miss this event dedicated solely to the blow molding industry where you can expect to:
- Discover the techniques and applications that will impact your bottom line and allow you to benchmark your operations.
- Learn about the latest advancements and innovations from industry experts.
- Attend Mini-Session featuring comprehensive instruction in technology, troubleshooting and methodologies.
- Participate in this unparalleled networking platform with leading manufacturers, industry peers, prospective customers and colleagues.

For more ABC 2012 information, see flyer on page 4-5

Exhibit Opportunities are available!
Highlight your company’s profile at the conference and support the SPE Blow Molding Division. Your sponsorship dollars provide educational grants to students, help recruit new members to the Division and support the Annual Blow Molding Conference. For Sponsor levels and registration, see pages 9-10

Be part of the New Commercial Blow Molded Parts Display ABC 2012!
Attendees will have an opportunity to network and be an interactive part of the knowledge base at a special exhibit featuring new commercial blow molded parts. Each registered attendee, speaker or sponsor may display one Blow Molded part.
See registration form on page 11
Dear SPE Members, Associates and Friends,

I hope you all had a good start into the New Year. 2012 will be an interesting year for our industry with the NPE presenting the lastest developments, trends and with the SPE complementing the event with its Annual Technical Conference ANTEC, offering a more detailed insight into the different technologies.

The ANTEC will take place in Orlando, FL from April 2nd to April 4th with numerous presentations and training sessions. You can find the detailed program on our website http://www.npe.org/Calendar/CalendarPublic.cfm?CalendarID=21207&navItemNumber=7300

Later this year, our Annual Blow Molding Conference (ABC) will be held in Pittsburgh, PA from October 9-10. The attendance and sponsorships have a great outlook. You will find a preliminary program in this newsletter, as well as our formal Board Meeting Minutes and Planning Notes.

As we prepare for the 2012 season my fellow board members and I reevaluate our past performance and structure our 2012 goals. We will keep our main focus on education and evaluating different options from universities and technical institutions.

Our board members are in the process of outlining many topics for an interesting ANTEC and the Annual Blow Molding Conference. These events will encompass the lastest technologies, processes, resins and trends around the plastics industry, including a “Career in Blow Molding” presentation/panel discussion during the last session at ANTEC. We invite you to attend our presentations, participate in our 101s and to support us with our call for papers and sponsorships for upcoming conferences and newsletters.

Students and entry level participants are very welcome to these conferences to get an inside look at the blow molding technologies, educational opportunities and industry contacts. Blow molding is a unique process offering any challenges and future opportunities with high technology requirements. Blow molded products are and will remain a part of everyday life in packaging, automotive, medical and industrial applications. We invite you to join the blow molding community in the future and contribute with your ideas for new developments to our future success.

We appreciate the industry support to further educate and promote blow molding. In order to enhance the technical context to the SPE Blow Molding Division Newsletter we would welcome technical reviews that can be shared with our blow molding community and we also invite convertors to participate in the SPE blow molded article display.

Your active and or financial assistance to successfully continue the SPE activities is very welcome. Equally important is your input on the conference and recommendations for future events.

We would be glad to meet all of you during the ANTEC in April and/or the ABC in October!

With Best Regards,
Benjamin Lopez
SPE Blow Molding Division Chairman

Unique
Unrivalled
Unparalleled
That’s Uniloy

Today’s manufacturer needs more than just machinery; they need productivity, innovation, and efficiency. That’s what Uniloy delivers with our comprehensive abilities to supply machinery, turnkey systems, molds and tooling – even help with part design. Learn why Uniloy’s been a trusted partner to the plastics industry for five decades.
Plastic Technologies, Inc. (PTI) recognized worldwide as the preferred source for taking your projects from concept through commercialization for the plastic packaging industry.

- Complete package design
- Package development
- Rapid prototyping
- Pre-production prototyping
- Material evaluations
- Engineering support

www.PlasticTechnologies.com

The global thought and technology leader in plastic packaging™
The Pittsburgh Sheraton Station Square will be the site for the 2012 Annual Blow Molding Conference. The conference will feature industry speakers presenting segments in packaging, medical and industrial applications. From resin developments to machinery innovations to automation, design and safety, no topic will be missed. Attendees of past ABC conferences have expressed their enthusiasm regarding the breadth and depth of information they were exposed to during this event.

Why Pittsburgh?
• Easy access
• Beautiful exciting downtown location on three majestic rivers
• Cost effective relative to other big cities
• State-of-the-art airport with non-stop service to hundreds of cities across the U.S.
• Many plastics related businesses and manufacturing sites within driving distance from Pittsburgh
• Excellent weather in Fall
• Lots entertainment options
• 30 Million residents within 400 miles
• Less than 4 hour drive from major population enters

Local Companies
• Bayer
• Medrad
• Phillips-Respironics
• Heinz
• Austins Products
• Conair
• Cannon
• Valspar
• PPG
• MSA
• SAE Headquarters
• Penn State University Behrend
• Nova Chemicals
Highlight your company’s profile at the conference and support the SPE Blow Molding Division. Your sponsorship dollars provide educational grants to students, help recruit new members to the Division and support the Annual Blow Molding Conference — an unparalleled networking platform for current and prospective blow molding professionals.

**EXPANSION OF OUR “PLASTICS 101’S MINI-SESSIONS**

These comprehensive mini-sessions featured 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 for such areas as:

- Continuous Extrusion
- Accumulator Head
- Extrusion Blow Molding
- IBM
- Medical Device Prototyping
- Medical device design and development
- Stretch Blow (reheat)
- Polyolefins and PET 101’s
- Design for Blow Molding
- Co-Extrusion and Engineered Polymers

**TRANSPORTATION**

The Sheraton Station Square Hotel is located 30 minutes from Pittsburgh International Airport (PIT)

If you are interested in presenting a topic at this year’s conference, please click here for a Speaker Abstract Form. You can review the Speaker Guidelines and Presentation Requirements here.

**AWARDS**

The SPE Blow Molding Division's annual awards will be presented at dinner, which will recognize student scholarships and student design winners. A special segment of the evening will be dedicated to the Division’s Lifetime Achievement Award.

**CONFERENCE VENUE**

*Sheraton Station Square Hotel*

300 W Station Square Dr

Pittsburgh, Pennsylvania 15219

Kick back and relax at Pittsburgh's only riverfront hotel, the Sheraton Station Square Hotel. Just steps away from downtown corporate and retail centers and adjacent to over 30 shops, restaurants, and nightclubs, it’s never been easier to connect with family, friends, and colleagues at the renowned Station Square. For the comfort of our guests, we are a 100% non-smoking hotel.
Maximize production capacity with up to 24 parisons
Go multilayer to protect environment and packaged goods
Use our in-house sampling capability of up to 7 layers
Benefit from our experience with more than 1000 heads in the Americas

More information: www.mullerheads.com · +1 (413) 787-0664
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
Celebrating 30 years of excellence in container automation

Proco Take out Systems
Automatic Deflashers
Robot Case-Packers
Multipak Palletizers
Leak Testers
Flame Treaters
Spout Insertion Machine

Proco provides innovative cost effective automation solution.

Call us today 905-602-6066
Visit us at www.procomachinery.com
info@procomachinery.com

The most powerful blowmolding quality management system just got better!

One system for:
- Closed-loop Blowmolder Control
- Material Distribution Measurement
- Defect Detection

Agr International, Inc.
Phone: +1-724-482-2163
www.agrintl.com

Now with vision-based defect detection
SPONSORSHIP REGISTRATION FORM

Sponsorship (please indicate level)

___Diamond Sponsor - $2,500      ___Platinum Sponsor - $1,000       ___Gold Sponsor - $400
(alternative April 15th, Platinum Rate increases to $1500)

Please print company information exactly as it should appear in all publications

Company Name _______________________________________________________________________________
Contact Name__________________________________________________________________________________
Contact Title___________________________________________________________________________________
Address_______________________________________________________________________________________
City/State/Zip/Country___________________________________________________________________________

Phone_____________________________________ Fax________________________________________________

Email_________________________________________________________________________________________

Please provide the appropriate contact person to coordinate invoicing and all other details for your company's participation:

Name_________________________________________________________________________________________
Title__________________________________________________________________________________________
Phone_____________________________________ Fax___________________________________________
Email_________________________________________________________________________________________

Electricity required:    ___yes     ___no      (if yes, a maximum of one duplex or 2 sockets will be provided)

Method of Payment:

___Check enclosed (payable to SPE Blow Molding Division), send to:
SPE Blow Molding Division, c/o Mr. Terry Glass, Braskem America, 550 Technology Drive, Pittsburgh, PA  15219

Visa/MC/AMX No: _____________________________________________________________________________
Name on card_____________________________________ Exp._____________________________________
Vcode (3-digit code on back of card; for AMX, 4-digit code on front of card)__________________________

Please complete form with payment info. and email to Deirdre Turner, Conference Coordinator at dturner@earthlink.net. A paid receipt will be sent once payment has been processed. Questions? Contact Deirdre Turner at (248) 505-5136 or by email.

www.blowmoldingdivision.org
# Sponsorship Opportunities

<table>
<thead>
<tr>
<th>Sponsorship opportunities</th>
<th>Diamond Sponsor</th>
<th>Platinum Sponsor</th>
<th>Gold Sponsor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recognition as Conference presenting sponsor, with prominent signage at event</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sponsorship recognized at all Blow Molding Division activities</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td><strong>Marketing benefits</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 Division electronic format newsletter ads. Newsletter is placed on division’s website</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(<a href="http://www.blowmoldingdivision.org">www.blowmoldingdivision.org</a>)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ad posted on Blow Molding Division website with hotlink to your company's website</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>One tabletop exhibit space in ABC 2012 Conference Exhibits ($600 value)</td>
<td></td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>One hospitality sponsorship at ABC 2012 with corporate recognition ($1200 value)</td>
<td>✔</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Provides for (1) booth person and (2) complimentary registrations ($1190 value) to ABC 2012.</td>
<td></td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Provides for (1) booth person and (1) complimentary registration ($595 value) to ABC 2012.</td>
<td></td>
<td></td>
<td>✔</td>
</tr>
</tbody>
</table>
ATTENDEE BLOW MOLDED PARTS DISPLAY REGISTRATION FORM

ABC is providing another opportunity for attendees to network and be an interactive part of the knowledge base at a higher level. A display area (separate from the Conference Sponsorship Exhibition Area) will be established to exhibit new commercial blow molded parts. Each registered attendee, speaker or sponsor may display one Blow Molded part.

The Attendee Parts display area will include several six foot tables with linens.

- The Blow Molded part must be new to the market within the last two years.
- Parts must be able to fit on display table. If you wish to display a part large than 48 inches, please contact Lew Ferguson, Division Board Member at parisons@aol.com to discuss display of larger parts.
- Mold makers may display a picture [up to 8X10] of the mold with the part.
- No business cards, marketing materials, laptop presentations, etc. may accompany the part in the Attendee Parts Display area. No sales or marketing activities in this area will be permitted in this area. The displays are intended to be an exhibit to encourage discussions and technology exchange. Conference Sponsorship is available where you can promote your company and product directly in the Sponsor Exhibit Hall. (click here for more details: www.blowmoldingdivision.org)

An 8X10 sign will be provided by the Conference Coordinator based on the information provided below including a description of the part and such details as the molder/converter, toolmaker, material supplier, resin type, etc. Provide only the information you want on the sign. The sign will be displayed on the table next to the part.

Name of Part: ________________________________________________________________________________________________

Category: (i.e. Industrial, Automotive, etc.): _________________________________________________________________________

Manufacturer / Blow Molder: ____________________________________________________________________________________

Mold Maker / Toolmaker: _______________________________________________________________________________________

Material Supplier / Resin Type:___________________________________________________________________________________

Designer / Other Contributors:___________________________________________________________________________________

Features: [up to 25 words describing part features and unique attributes]: _________________________________________________
___________________________________________________________________________________________________________
___________________________________________________________________________________________________________

Participant Information
Please provide the appropriate contact person to coordinate invoicing and all other details for your company’s participation:

Name____________________________    Title_________________________Company____________      _____

Phone__________________________ Fax_______________________ Email____________________________

RELEASE OF LIABILITY

The undersigned agrees and does hereby release from liability and to indemnify and hold 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. The undersigned 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.

Name of Participant: _______________________________Company: _________________________ Date: __________

Signature: ___________________________________________ Do you want the part returned? Yes ___ No ___

Please complete form and Email as an attachment to Deirdre Turner, Conference Coordinator, at dcturner@earthlink.net.

Questions? Contact Deirdre Turner at (248) 505-5136 or by email.
BARR Inc. World Leader in Screw Design

Delta Engineering
Solutions for the Blow Moulding Industry

- palletizing
- bagging
- quality control
- conveying
- takeout systems
- finishing
...

Delta Engineering Inc. 1256 Oakbrook Drive, Suite E Norcross, GA
Tel. 678-250-6356 www.delta-engineering-usa.com

©2012 SPE Blow Molding Division
Polyethylene

In a highly unusual fashion PE manufacturers finally secured the much delayed 5-cent per pound price increase nomination during the month of December. Resin manufacturers securing a price increase after many months of flat or decreasing market pricing is not unusual, what is surprising is the that it occurred in the final month of the calendar year. Not since 1985 have PE producers been successful in implementing an increase in the final month.

The primary causes for the upward market movement can be attributed to low pellet inventory throughout the entire chain coupled with rising ethylene feedstock costs. Converters historically destock when prices are on the decline and anticipate the opportunity to increase their inventory positions when their informational sources and historical market patterns tell them “it’s time to beat the pending increases.” December 2011 proved to be an atypical year as after 7 consecutive months of flat or decreasing PE pricing, resin suppliers operated at reduced production rates to meet deceased orders so as not to be holding higher priced inventory themselves. As a result, a shortage of fresh pellets was realized within the market when converters placed their orders for December material. Low supplier inventory coupled with sharp rises in the spot ethylene market, where many pellet producers had to shop for feedstock to meet the spike in orders, resulted in converters having no option but to pay the additional nickel or risk not running their machines.

As of the writing of this article, the PE market appears to be headed even higher in 2012. The trend of higher spot ethylene has continued and has been forecast to carry over to the contract market. This scenario is expected to be the case for the next several months as a higher than usual percentage of ethylene production steam cracker assets, more than 10, are scheduled for normal maintenance, or turnarounds, for the front half of the year.

PE manufactures failed in their renewed attempt to secure an also much delayed increase in the amount of 6-cents and remain in hot pursuit in February. In addition, those producers that had not released notification of their 7-cent nomination in late 2011 did so early in 2012. These increases of 5, 6 and 7 cents were released for all grades of PE, whereas additional increase nominations were declared for lesser amounts for LDPE. LDPE has become the tightest of all blow molding grade PE materials given unexpected production outages at several locations. That stated, it is not surprising that PE manufacturers have either been forced, or elected, to declare Force Majeure or operate under Sales Control or Allocation procedures. The chart below displays the generally accepted market wide monthly and annual market movements for the past few years.
Polypropylene

Ask virtually any polypropylene buyer one simple question, “What’s PP going to do this month?” and the answer will likely be, “Follow Monomer.” However, which monomer grade: refinery, chemical or polymer should be a considered. Each of these grades carries a different market attraction and thus, value. Simple economics dictates that as the purity level is increased, so is the market price. Monthly market movements of each sector do not always mirror each other for numerous reasons although the trend line usually does.

Given polymer grade is the most refined of the three monomers generally tracked, it is essential to understand that as the market price of the less refined commodities changes, the cost structure to achieve polymer grade does not. The purpose of understanding that there is separation of markets is important as converters time their purchases. Wild swings in monomer costs are a familiar trend over the past several years affected by the cost of natural gas and oil, both base materials for monomer, as well as the markets for intermediate derivatives including alkylation values to producing gasoline. This reality coupled with the more favorable economics of olefin crackers using more light feeds, i.e. natural gas vs. oil, which produces less propylene influences the cost structure of the manufacture of refinery grade and thus the rise in price.

In addition to the affecting factors above is the matter of off-line production, similar to the scenario detailed within the polyethylene section of this article, is simple supply and demand economics. Given that numerous natural gas steam crackers are set for turnaround during the first half of the year the propylene market is already bracing for the tightening of supply within the monomer market. With the light feed supply reduction, polypropylene manufacturers are forced to turn to monomer made from the heavy feed, oil, at the same time the alkaline values for the production of gasoline builds are the US are on the rise.

“The above text and charts reflect month over month market price movements off baseline with the data points reflecting general market knowledge and should not be viewed or used to signify the actions or pricing levels of any one individual or organization. Comments or questions can be forwarded to jeff@a-toppolymers.com.”
AHEAD of the CURVE

- PET for extrusion blow molding
- Excellent clarity for high-gloss containers with handles
- APR recognized for recycling with clear PET

Call Auriga Polymers Inc. at +1 980 233-8235 for more information

You can access past proceedings of the Annual Blowmolding Conferences at:

http://www.4spe.org/pfn

user name: ABC Guest
password: plastics
Whether you need to create the look of high-end polished aluminum or frosted glass, or analyze options to reduce your total bottle cost, Ampacet is your resource.

Ampacet provides many choices for process additives, resin replacements, and functional additives such as CrystalClear™ UVA for PET that protects contents from UV without yellowing.

In addition to engineering-in function, Ampacet works to ensure that your product will pop off the shelf by offering the latest in colors and textures that command consumer’s attention.

For more information – and great tasting popcorn – call Doug Brownfield at 800-888-4267.
Main Entrance to Exhibit Hall

Glass wall runs full length of this side and overlooks Ohio River

Diamond Level
Tabletop Displays Only / No pop-ups

Exhibit Space includes: 1 - six foot table; skirted w/ table linen, 2 chairs, AC (at exhibitor’s request) Please note: only the main entrance doors will open into the exhibit area. All other entrances will be closed and unobstructed.

Exhibit/Display Materials can be shipped no more than two days in advance of event. Mailing label must clearly indicate:
SPE Blow Mold Conference, Attn: Gina Griffiths
Sheraton Station Square, 300 West Station Square Drive
Pittsburgh, PA 15219, Tel: 412.803.3871
W. Amsler Equipment Inc.

PET Reheat Stretch Blow Molding Machines
All-Electric, Canadian-Built

* 1-6 cavities up to 9,000 BPH
* 15 minute changeovers
* FLAT OVALS & WIDE MOUTH JARS
* use competitor molds

We also build:
* high speed bottle inspection units
* automatic & semi-automatic palletizers

Visit our production showroom just north of Toronto!

www.amslerequipment.net
Phone: 905-707-6704  Fax: 905-707-6707

YOUR EXPERIENCED PARTNER IN ONLINE
PLASTIC CONTAINER INSPECTION

ALPS
Leak Testing Equipment

The current population of ALPS leak testing machines is assuring the integrity of more than 50 billion containers a year.

www.alpsleak.com
The Blow Molding Division of the Society of Plastics Engineers and Graham Engineering Corporation co-sponsor a program for continuing education of blow molding industry workers. By making financial resources available to Blow Molding Division member companies, this program will assist more people in obtaining continued education in blow molding and improve their job-related skills.

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:

1. Submit a request to the Blow Molding Division at the following address:
   Agri Industrial Plastics
   Attn: Geoff Ward
   301 N. 2nd St
   Fairfield, IA 52556
   geoff.ward@agriindustrialplastics.com
2. Include a letter of support from your company.
3. You will be notified of acceptance before the event that you wish to attend.
Fuel your brain

SPE FastTrack training program
Produced by Plastic Technologies, Inc.

May 7-10, 2012
Crowne Plaza Atlanta Airport
1325 Virginia Avenue
Atlanta, Georgia 30344

To register or for more information:
www.ptifasttrack.com
1-419-867-5424

Do you want to be up-to-date on the latest technology? Can your company benefit from the latest plastic materials and processing knowledge? Then the SPE FastTrack training program is the place you need to be. Produced by industry thought-leader Plastic Technologies, Inc., the program offers different study tracks (injection molding, blow molding, thermoforming and new technology) for basic, intermediate and advanced levels. (Or you can pick and choose to customize your own course study.)

Track 1: Injection molding
Instructors: Robert Beard, Len Czuba, Suhas Kulkarni

Track 2: Extrusion
Instructors: Dan Cykana, Pravin Shah, Tim Womer

Track 3: Blow molding
Instructors: John Bower, Scott Steele, Michelle Stevens

Track 4: Thermoforming
Instructors: Robert Browning, Don Hylton

Track 5: Part design for industrial and medical applications
Instructors: Len Czuba, Vishu Shah

Track 6: Mold fundamentals and advanced injection molding
Instructors: Bob Dealey, Larry Schmidt

Track 7: Blow mold design, part quoting, fits and thermoforming optimizations
Instructors: Robert Beard, Gerald Hobson, Tim Womer

Track 8: Managing innovation, sustainability and bio polymers
Instructors: Bonnie Bachman, Edwin Tam

©2012 SPE Blow Molding Division

Industrial design, consumer research, and prototyping, to manufacturing and validation—all from one company. Ideas move faster. Inspiration flows from one process to the next. Teams are aligned and working toward one goal. The result is better products made faster than ever before. For more information, contact us:

USA 816-525-0353
Europe +44 (0) 1623 556287
www.rdleverage.com

Structural Brand Development | Mold Manufacturing

FOOD & BEVERAGE | HOME & PERSONAL CARE | HEALTHCARE
Let your ideas flow.

Eastman Aspira™ copolyester EN117 combines a unique collection of attributes — clarity, gloss, strength, and design freedom — enabling the development of attractive, ergonomic packaging.

Sam Glover
Eastman Chemical Company
Market Development Manager
Food, Beverage, and Consumer Packaging
Specialty Plastics Business Organization
P. 317.594.3596 | C. 423.967.5001
sglover@eastman.com
www.eastmancustomcontainers.com

Visit us at booth #25 during the Annual Blow Molding Conference, Oct. 5-6, Atlanta, GA.
Ixef® polyarylamide

ADVANCED FUEL BARRIER PLASTIC FOR SMALL ENGINE FUEL TANKS

- Simplified 2-layer and 3-layer blow molding
- Inner barrier layer eliminates expensive additives and coatings
- CARB compliant
- Easy, low-cost conversion of existing equipment
- Lower equipment costs than EVOH with better performance
- Compatible with continuous and accumulator blow molding processing

To learn more, visit www.solvayadvancedpolymers.com

SOLVAY Advanced Polymers
MORE PLASTICS WITH MORE PERFORMANCE™

---

BLOW MOLDS

2 - WEEK DELIVERY
BEST QUALITY
LOWEST PRICES

ALL MOLDS ARE SAMPLED
BEFORE DELIVERY

Tel: (847) 671-6182
Fax: (847) 671-9276
E-mail: RAODESIGN@AOL.COM
Chicago, Illinois
www.raodesign.com

©2012 SPE Blow Molding Division
Components For Plastic Processing Equipment

High-Quality, Quick-Turn Band & Cartridge Heaters

Infrared Lamps & Cassettes for:
- Resin Dryers
- Shrink Tunnels
- Curing

Precision Melt Pressure and Melt Temperature Measurement for Extrusion Processes

www.buschelectronics.com/blowmolding (855) 835-6691

American Tool & Engineering, Inc.

- Complete tool design from start to finish
- Machined & Cast aluminum molds
- On-time delivery
- Weekly progress reports

For more information contact us at:
(641) 816-4921 sales@atemold.com

Dedicated to building quality molds for the Blow Molding, Thermoforming & Pressure Forming Industries
A breakthrough for molding small, wide-mouathed containers.

Superb mass production capability and flexibility.
As PET containers continue to gain favor over glass and other plastics, the market demand for small, wide-mouthed containers is increasing. To meet this demand, ASB created the ASB-150DPW. A versatile machine ideally suited for mass production of containers with thread diameters up to 94mm, it optimizes productivity—yet lowers power consumption and increases energy efficiency. With unparalleled quality and output, the ASB-150DPW is meeting the evolving needs of the PET container market.

NISSEI ASB COMPANY
125 Westlake Parkway Suite #120, Atlanta, Georgia 30336 U.S.A.
TEL: (404) 696-7750, FAX: (404) 696-0009
http://www.nissei-asbus.com (USA)
http://www.nissei-asb.co.jp/en/ (Head Office)

SPECTRUM PLASTICS GROUP
“Quickly turning engineering concepts into high quality products.”

Expert Rapid Prototyping, Additive Manufacturing, Quick-Turn Tooling & Molding, Injection Molding and Contract Manufacturing

Quality Certifications
ISO 9001:2008
cGMP 21 CFR, Section 820 Compliant
ISO 13485:2003

ITAR Compliant & State Department Registered
Minnesota (HQ) Connecticut Colorado New York

sales@spectrumplasticsgroup.com | spectrumplasticsgroup.com
Keep Your Reputation Safe. Ask for MoldMAX® by Name.

Authentic MoldMAX® tooling alloys have been helping injection and blow molders for more than 30 years.

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Alloy</th>
<th>Hardness</th>
<th>Typical Applications</th>
<th>A Mold Must:</th>
<th>Brush Performance Mold Alloys Provide:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MoldMAX HH®</td>
<td>Copper Beryllium</td>
<td>40 Rc</td>
<td>Injection &amp; blow molds</td>
<td>Transfer heat rapidly</td>
<td>Uniform cooling</td>
</tr>
<tr>
<td>MoldMAX LH®</td>
<td>Copper Beryllium</td>
<td>30 Rc</td>
<td>Injection &amp; blow molds</td>
<td>Transfer heat uniformly</td>
<td>Uniform cooling</td>
</tr>
<tr>
<td>ProTherm™</td>
<td>Copper Beryllium</td>
<td>30 Rc</td>
<td>Injection &amp; blow molds, hot runner</td>
<td>Be extremely durable</td>
<td>Excellent hardness, wear resistance, non-galling</td>
</tr>
<tr>
<td>MoldMAX XL®</td>
<td>Copper Nickel/Tin</td>
<td>30 Rc</td>
<td>Injection molds</td>
<td>Be easily fabricated</td>
<td>Faster machining rates than steel tools</td>
</tr>
<tr>
<td>MoldMAX V®</td>
<td>Copper Nickel/Silicon</td>
<td>28 Rc</td>
<td>Injection &amp; blow molds</td>
<td></td>
<td>Lower mold fabrication costs</td>
</tr>
</tbody>
</table>

All MoldMax® products are high performance alloys specifically designed for the plastic processing industry. These alloys offer a unique combination of thermal conductivity and strength that provides important benefits in the molding process. Play it safe. Specify MoldMAX® premium mold and tooling alloys from Materion Brush Performance Alloys. Don’t settle for inferior imposters.

Brush Performance Alloys
www.materion.com/BrushAlloys
Committee Meetings October 11, 2011

Executive Committee met from 8:30 – 9:25 am.
Attendees: Ben Lopez, Scott Steele, Mark Barger, Gary Carr, Terry Glass, Surendra Agarwal, Geoff Ward, Jeff Light, Mark Heitker

Discussed BOD status. Need candidates for councilor as Mark Barger is term limited. Proposed conducting an electronic election. Succession plans for BOD positions reviewed vs. the status of each board member’s interests as recorded in the recent survey. Now on a 2 year cycle for some of the officer positions. Nominate Jeff Light as candidate for Chair Elect - motion passed to present nomination to the BOD for a vote.

Need to move ahead on the website upgrade.

Reviewed the Finance Committee’s action items concerning the Grant Fund investment in the SPE Investment account and possible consolidation of the Operating Fund and Disbursement Fund into one online account, deferred to the Finance Committee for further study.

Four BODs have been nominated for HSM – Lew Ferguson, Jon Meckley, Mark Barger, and Mark Heitker. Audit Committee composed of Ben Lopez, John Rathman, and Mark Heitker formed to audit the 2010-2011 treasurers’ records later today.

AI Terry Glass – Prepare proposal for the Finance Committee on consolidation of the Operating Fund and Disbursement Fund into one online account.

AI Scott Steele – Organize Finance Committee conference to discuss the proposed online accounting proposal and review the Grant Fund investment in the SPE Investment account.

Marketing Committee met from 9:45 – 11:00 am

Continued on next page
Education Committee met from 9:45 – 11:00 am
Attendees: Geoff Ward, Ben Lopez, Mark Barger, John Rathman, Dale Klaus, Mark Heitker

Reviewed Education Committee Report draft.
Only one CFS Memorial scholarship has been awarded this year. Need for new education sponsors.
Discussed school grant request from Penn State Eire for assistance with purchase of a new die head for one of their Bekum machines.

AI Mark Heitker – Discuss with Paul Herring if Pittsburg State could be a site for a blow molding training program.

AI Mark Barger – Contact Donna Davis to determine if future possibility of scholarship support from the Exxon-Mobil Foundation.

AI Mark Heitker – Obtain speaker approval for video taping of selected 101’s during the Thursday morning sessions.

Awards – John Rathman Four BOD have been nominated for HSM
Made a first pass on the draft Disbursement Budget for upcoming fiscal year.

Technical Program Committee met from 11:10 – 11:45 pm
Attendees: Surendra Agarwal, Gary Carr, Ben Lopez, Jeff Light, Ron Puvak, Geoff Ward, John Rathman, Jamie Pace, Dale Klaus, Terry Glass, Henry Vogel, Babli Kapur, Piaras de Cléir, Scott Steele, Cal Becker, Mark Barger, Henry Vogel, Lew Ferguson, Gerry Hobson, Mark Heitker
Guests: Bob & Velma Slawska, Bob Delong

ABC 2011 projecting > 300 attendees. Great sponsorship success – kudos to the committee. 1st year for the 4 hour EBM training course. Thanks to Ron for excellent ABC promotion and for sending out 18,000 flyers.

Reviewed ABC 2012 plans for Pittsburgh to be held October 9-10th. Co Chairs will be Ron Puvak, Jeff Light, Jon Meckley, and a rep from the Pittsburgh section.

Atlanta is the recommended location for ABC 2013.

ABC 2014, discussed a number of prospective locations.

Continued on next page
ANTEC 2012 – April 2–4 along with the NPE. Co chairs are Randy Moynihan and Babli Kapur. Only one paper submitted so far. Deadline is Oct 19th.

ANTEC 2013 in Cincinnati – Chair is Babli Kapur. Need a co chair.

ANTEC 2013 in Las Vegas – Need volunteers for co chairs.

*Adjourn for lunch*

---

**Board of Director’s Meeting October 11, 2011**

AI = ACTION ITEM

- **Call to order at 1:45 pm**

  BOD Members present: Ben Lopez, Scott Steele, Jeff Light, Mark Barger, Gary Carr, Ron Puvak, Geoff Ward, John Rathman, Dale Klaus, Jamie Pace, Babli Kapur, Henry Vogel, Cal Becker, Terry Glass, Lew Ferguson, Surendra Agarwal, Bob Jackson, Gerry Hobson, Piaras de Cléir, Mike Hall, Mark Heitker

  BOD Members Excused: Randy Moynihan

  BOD Members Absent: Daryle Damschroder

  Guests: Lesley Kyle, Bob Slawska, Bob Delong, Don Peters, Klaus Mischkowski, Deidre Turner, Kyle Grodzinski

- **Welcome & Non compete notice – Ben Lopez**

- **State of the Board – Ben Lopez**

  Jeff Light is Chair elect. (Confirmed by 2/3 vote at BOD dinner meeting on Oct. 11th)
Review of last Meeting’s Minutes and Action Items – Mark Heitker
- Motion to approve minutes with no revisions – Ron Puvak, 2nd Bob Jackson, approved by BOD
Reviewed status of Blow Molding book – Bob Jackson reported disagreement with Wiley on the scope. Wiley wants a testbook, the BOD’s view is to portray Sam Belcher’s achievements.
Reviewed status of action items from the last BOD meeting at ANTEC 2011.
Defer action on status of Grant Fund reserves in the SPE Investment Fund until the winter meeting.
- Minutes, updated action item list, and updated roster presented.

Sponsorship subcommittee report – Jeff Light & Deirdre Turner
Greatest ever ABC sponsor response. Kudos to Deirdre and Jeff. Surendra recommended special award.
Report was reviewed.

Technical Program Committee (TPC) – Surendra Agarwal
Reviewed ABC plans. Predick > 300 attendees. Updated program is attached.
ABC 2012 plans and general discussion for Pittsburgh venue.
ABC 2013 Motion to return to Atlanta – Mark Barger, 2nd by Bob Jackson – approved by majority of BOD
ABC 2014 Discussion on possible locations.
ANTEC 2012 – April 2–4 along with the NPE. Co chairs are Randy Moynihan and Babli Kapur.
ANTEC 2013 in Cincinnati – Chair is Babli Kapur. Co chairs are Scott Steele and Ben Lopez.
ANTEC 2013 in Las Vegas – Need volunteers for co chairs.
- Motion to approve TPC report by Bob Jackson, 2nd by Henry Vogel – approved by majority of BOD
TPC Report was reviewed

Kautex Machines Inc.
201 Chambers Brook Road
North Branch, NJ 08876
Phone: 908-252-9350

Your Single Source Supplier of Extrusion Blow Molding Machines and Turn-Key Systems for

- Packaging (consumer and industrial)
- Technical parts
- Automotive products (fuel tanks, filler pipes, ducts etc.)
- Up to seven layers including 3D and suction blow molding

Your Future in Plastics
Treasurers report – Terry Glass
Reviewed report. Prior year’s financial records to be audited later today. SPE annual report and tax return to be completed by Nov 15th.

Report and prior year & year current fund ledgers were reviewed.
- Motion to approve the Treasurer’s report by Gerry Hobson, 2nd by Surendra Agarwal – approved by majority of BOD

Councilors report review – Mark Barger
Council update. Discussed POAM.
AI for the entire BOD – Send feedback to Mark Barger - Where/How do we adapt for 2020.

SPE National update – Lesley Kyle
ANTEC 2012 – Paper submission deadline extended to end of this week. Can submit an abstract and outline to hold spot

AI Ben Lopez  – Notify Lesley is we need space for a BOD meeing at the ANTEC. Rooms at the convention center are no cost.

There will be a student job fair at the ANTEC on Wednesday. Discussion on how we can expand our activities at the ANTEC. Student posters, papers, contests, and tutorials add programming value.

AI Ron Puvak  – Send ABC 2012 proposal to Lesley to get on the schedule to avoid overlap with other conferences.

National is reevaluating TopCon revenue split based on what services are used. A fee for service model is proposed and being tested with the Thermoforming Division.

AI Ben Lopez  – Send our ideas on the fee for service model to Lesley.

Discussion on how to raise our visibility and reach younger members. National can do press releases on award recipients, ANTEC presenters, educational programs, pick a topic a month, and promotions on LinkedIn.

Continued on next page

Selling Technology, not just Steel

R&B Plastics Machinery LLC designs and builds a full range of blow molding and single-extrusion equipment. We’ve served the industry over 32-years with new machines an rebuilds/upgrades. Call us for technical solutions, including process-analysis for improved quality. Capabilities include:

- **24/7 field support**: R&B’s field-service crews serve North America with experience in hydraulics, mechanical, electrical and processing functions. Replacement screws available.
- **Over 475-years’ plant-floor experience**: R&B’s technicians know how to get production running. Cross-training of staff gives you capable machine specialists.
- **Prototype lab machines for mold tests**: Reduced costs on material, energy, time. Our sister company, Monroe Mold, is 30-minutes south for consultations on blow molds and machine tooling. Employees have over 250-years combined experience – hands-on knowledge works for you.
- **R&B’s centralized location is convenient**, just south of Ann Arbor, MI and 50 -minutes west of Detroit. Ask how we can modernize your older machines to improve line efficiencies.

**Call 734-429-9421, #113 or #120 for Parts/Service**

R&B Plastics Machinery

Building Partnerships with Customers

[www.rbplasticsmachinery.com](http://www.rbplasticsmachinery.com)
Nominations – Scott Steele
Next Councilor, the BOD recommends Scott Steele, Motion by Bob Jackson, 2nd by Surendra Agarwal. From our Policy Manual – “The Council Representative is elected every three years. They shall be elected by secret mail ballot to the Division membership as provided by the Bylaws with at least two candidates for each position to be filled.”
AI Ben Lopez – Identify 2nd candidate for Councilor election
AI Scott Steele – Contact Tricia McKnight to set up an electronic election prior to the next ANTEC. Mike Hall nominated to fill empty seat on the Board of Directors - Motion by Bob Jackson, 2nd by Jamie Pace. Approved by BOD

Education Report – Geoff Ward
Discussed scholarship program. Received 2nd year education support contributions from CKS Packaging and Kautex.
Student Design Contest winning entry posters being presented at the ABC.
AI Geoff Ward – Follow-up with Jon Meckley on the school grant request for a new die head for their Bekum blow molder.
- Motion to approve the Education report by Gerry Hobson, 2nd by Dale Klaus – approved by majority of BOD
AI Dale Klaus – Contact Plastics training program in North Carolina to determine status of blow molding machine.
Bekum is building a new 121S machine for Ferris State’s lab.
AI Mark Barger – Contact Bob Spiers at Ferris State to see if interest in a training program. Reviewed the Education Committee’s draft for the 2012 – 2013 Disbursement Fund budget.

Marketing Committee – Gary Carr
ABC 2011 update.
Report was reviewed

Newsletter subcommittee report – Ron Puvak
Need content. Deadline for next issues is November 25th.

Membership subcommittee report – Lew Ferguson
Problems with obtaining data from SPE national website.
AI Lew Ferguson – Issue report to BOD once website is functioning properly.

Website subcommittee report – Babli Kapur
Babli, Ron, and Deidre are finalizing the new web layout. Need for high resolution pictures.
AI Babli Kapur – Post ABC papers on the 4SPE.org web site. Obtain speaker release forms first.
- Motion to approve the Marketing reports by Surendra Agarwal, 2nd by Geoff Ward - approved by majority of BOD

New Business
AI Bob Jackson – Obtain nomination paperwork for the proposed 2012 LTA nominee.
AI Lew Ferguson – Organize Parts Display program for ABC 2012
AI Ben Lopez – Determine Winter BOD meeting location and date
Mark Heitker reviewed the new action item list generated during this meeting.

ADJOURNMENT:
4:55 pm Motion to adjourn Surendra Agarwal
2nd by Geoff Ward – Approved by BOD
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

PAST CHAIRPERSON / FINANCE CHAIRPERSON
Scott Steele
Plastic Technology 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

CHAIR ELECT / MARKETING CO-CHAIR
Jeffrey S. Light
A-ToP Polymers, Inc.
47 Rockingham Road
Windham, NH 03087
Ph: 603/835-4366 Fax: 401/486-9523 Cell: 401/486-3250
E-mail: jeff@a-toppolymers.com

SECRETARY
Mark Heitker
INEOS Olefins & Polymers, USA
Technical Center
1230 Independence Parkway South
LaPorte, TX 77571
E-mail: mark.heitker@ineos.com

TREASURER
Terry Glass
Braskem
550 Technology Drive
Pittsburgh, PA 15219-3111
E-mail: Terry.glass@braskem.com

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

TECHNICAL PROGRAM CHAIRPERSON
Surendra Agarwal
Kraft Foods
1749 Henley Street
Glennieville, IL 60025
E-mail: sagarwal@kraft.com

EDUCATION CHAIRPERSON
Geoff Ward
Agri Industrial Plastics
301 N. 22nd Street
Fairfield, IA 52556
E-mail: geoff.ward@agriindustrialplastics.com

MARKETING CHAIRPERSON
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

MEMBERSHIP CHAIRPERSON
Lewis Ferguson
Parisons
9900 Sunset Drive
Stone Harbor, NJ 08247
Ph: 609/368-7230  FX: 609/368-7229 Cell: 313/506-4637
E-mail: parisons@aol.com

WEB SITE CHAIRPERSON
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

NEWSLETTER EDITOR
Ron Puvak
Plastic Technology Inc.
1440 Timberwolf Drive
Holland, OH 43528
Ph:419/867-5400 Cell: 419/708-1486
E-mail: rpuvak@plastictechnologies.com

AWARDS SUB-COMMITTEE
John Rathman
Chevron Phillips Chemical Co. LP
155 Plastics Technical Center
Highways 60 & 123
Bartlesville, OK 74004
Ph: 918/661-3431 Fax: 918/662-2220 Cell: 918/327-9378
E-mail: rathmjr@cpchem.com

______________________________________________________________

Bob Jackson
Jackson Machinery, Inc.
3830 Highway H
Port Washington, WI 53074
E-mail: bobJ@jackson-machinery.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

Randy Myoinian
Chevron Phillips Chemical Co. LP
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

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

©2012 SPE Blow Molding Division
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

Board of Directors

Kyle Grodzinski  
PlasBM Machinery Corp.  
5-150 Hollidge Blvd. Suite 144  
Aurora, Ont. L4G 8A3 Canada  
Cell: 416/276-2605  
E-mail: kyle@plasmbm.com

William R. Galla  
Sabic Innovative Plastics  
7924 Eastbrooke Trail  
Poland, OH 44514  
E-mail: William.Galla@sabic-ip.com

George Hurden  
Kautex Machines Inc.  
201 Chambers Brook Road  
North Branch, NJ 08876  
Ph: 203/605-3305  
E-mail: george.hurden@kautex-group.com

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

Jon Ratzlaff  
Chevron Phillips Chemical Co. LP  
Plastics Technical Center  
Highways 60 & 123  
Bartlesville, OK 74004  
Ph: 918/862-3134  
Cell: 419/680-4234  
E-mail: ddamschroder@woh.rr.com

Michael Hall  
Kyoda America  
Lawrenceville, GA  
Ph: 770/237-3304  
Cell: 706/799-1761  
E-mail: mike@kyodaamerica.com

Active Members

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

Kyle Grodzinski  
PlasBM Machinery Corp.  
5-150 Hollidge Blvd. Suite 144  
Aurora, Ont. L4G 8A3 Canada  
Cell: 416/276-2605  
E-mail: kyle@plasmbm.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

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

Darryl 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

Gary Henneberry  
Polylene  
265 Shreve St.  
Mt. Holly, NJ 08060  
Ph: 609/351-9369  
Fax: 609/499-6369  
E-mail: gary.henneberry@polyone.com

Karl H. Bruning  
KB InterTec, LLC  
1642 Pontchartrain  
Okemos, MI 48864  
Ph: 517/381-2343  
Fax: 517/381-2343  
E-mail: KBBrun@aol.com

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

Don Peters  
Phillips Chemical  
154 Phillips Technical Center  
Bartlesville, OK 74004  
Ph: 918/661-3117  
Fax: 918/661-3177  
E-mail: judopeters@aol.com

Eric Holmberg  
FGH Systems Inc.  
10 Prospect Place  
Denville, N.J.  
Ph: 973-625-8114  
Cell: 973/610-5132  
E-mail: fghsystems@hotmail.com