



SOCIETY OF PLASTICS ENGINEERS

BLOW MOLDING DIVISION

Volume 2012 Edition 3



Society of Plastics Engineers Blow Molding Division

PITTSBURGH



ABC 2012



October 9-10, 2012
Pittsburgh, Pennsylvania

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-Sessions 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 pages 12-13

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SPE Blow Molding Division's
2012 Lifetime Achievement Award



DONALD C. GRAHAM

Donald C. Graham founded Graham Engineering in 1960 with no capital in the basement of his rented farmhouse in rural Pennsylvania. Today, the Graham Group manages approximately \$2.5 billion of internal and third party capital and is the anchor sponsor of four investment management businesses including the family investment office, Graham Capital Company located in York, PA and three private equity firms based

in the Philadelphia area, Graham Partners, Inverness Graham and Striker Partners. The Graham Group manages a significant pool of marketable securities along with investments in over 100 private equity, real estate and hedge funds. The Graham Group also maintains direct investments in businesses in diverse industries including packaging, building products, aerospace components, electronics and drainage and irrigation products.

The award will be presented at our Annual Blow Molding Conference banquet at the Sheraton Station Square, Pittsburgh, PA
October 9th - 10th, 2012

Continued on Page 3



Become a member
Join the SPE Blow Molding Division

Chairperson's Message



Dear SPE Members, Associates and Friends,

As our SPE ABC 2012 conference draws near our team and industry have organized a great program and activities in Pittsburgh, PA this fall. We are excited about the overall programs and sponsorship. I would like to thank

everyone for their work and commitment.

I would especially like to thank our former board members Mark Barger, Daryle Damschroder, Kyle Grodzinski, Win Burrington, Mridula (Babli) Kapur and their board sponsor for their dedication and commitment to our industry over many years. With a lot of effort and energy they successfully supported the SPE duties and promoted further plastics education to schools, universities and our industry. We have a good group of board candidates interested in continuing our mission, coupled with two new board positions (Emeritus) for our senior board members to assist and support special activities.

Our industry climate is changing daily – we deal with global mergers, new resins, different meaning of sustainability / recycling and changes in EPA/Global regulations. Our board members have outlined many of these topics in the agenda for an interesting SPE Annual Blow Molding Conference that will take place in Pittsburgh, PA on Oct 09-10, 2012. This event will encompass the latest technologies, processes, resins and trends around the blow molding industry. 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 this conference 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 this event and would be pleased to see many of you joining the blow molding community in the future and contribute with your ideas for new developments to our future success.

I invite all to meet our board members; we welcome your active and / or financial assistance to successfully continue the SPE activities. Equally important is your input on the conference and recommendations for future events.

I would like also to thank all our board members for their work and extra efforts with their board responsibilities and in organizing our conferences throughout the year with our event coordinator. Look forward to work with you and your continued support.

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 at our Annual Blow Molding Conference.

Your input on the conference and recommendations for future events is important to us. Our SPE ABC 2012 program, activities, registration and hotel information is enclosed in this newsletter.

We would be glad to meet all of you during the ABC in October!

With Best Regards,
Benjamin Lopez
SPE Blow Molding Division Chairman

Our SPE D30 Division Goals for 2012:

- Research and structure education opportunities for the blow molding industry
- Promote these education opportunities to our industry and students
- Support these education programs technically and financially
- Organize a ANTEC technical conference including an interactive careers session
- Organize a ABC conference with presentations on the latest technology and trends, coupled with training sessions
- Find ways to promote, increase and retain membership
 - See link <http://www.4spe.org/> membership-rewards
 - SPE National promotion at our ABC
- Gain industry interest to participate and support our program through call for papers, technical support and sponsorship
- Update our Policy Manual with responsibilities (form a temp review committee)
- Make our financial planning format on QuickBooks

2012 Lifetime Achievement Award DONALD C. GRAHAM

Very few people have had the impact on both the OEM blow molding machinery business and blow molding converting business that Mr. Graham has had over the past 45 years. The packaging conversions of liquid laundry detergent bottles, motor oil containers, aseptic dairy packaging, and coextrusion production for either "sandwiching" recycled resins or producing multilayer barrier containers, are just a few examples of applications that the Graham companies helped develop to the benefit of the overall industry.

Graham Engineering built their first Rotary Wheel blow molder in 1968. Since that time, Graham Engineering has built hundreds of blow molding machines including multiple size wheel machines, shuttle machines, accumulator head machines and reciprocating screw and shot pot machines. Under Mr. Graham's leadership, Graham Packaging Company became one of the largest global blow molding converting companies, and that growth has continued since his divestiture of controlling interest of that business to Blackstone in 1998.

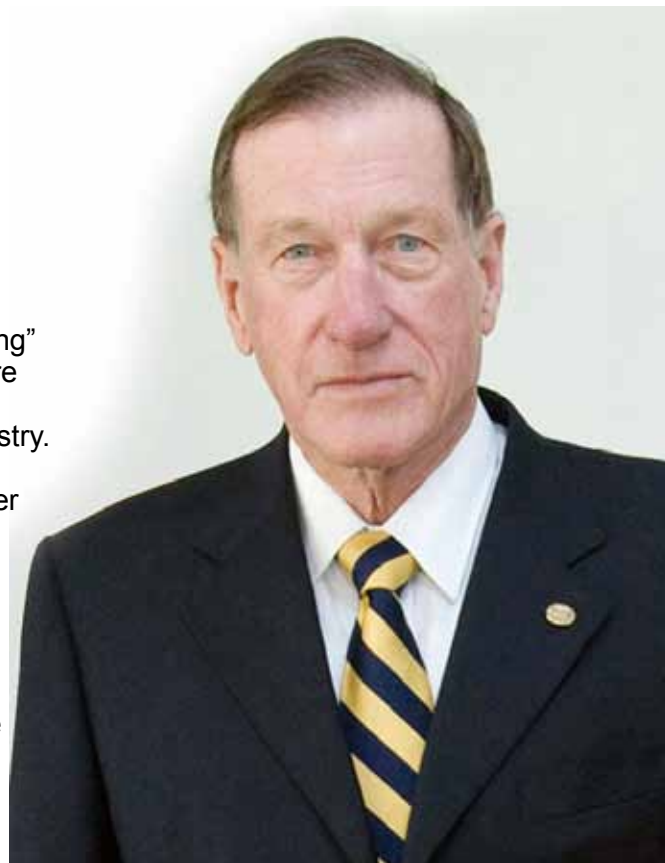
In addition to his business activities, Mr. Graham has been an active benefactor in community, cultural and environmental projects. He has served on boards and committees of numerous academic institutions including the University of Michigan, Babson College, Burke Mountain Academy, York College and Dartmouth College. He has funded several faculty chairs and scholarship programs at these institutions and has funded the Graham Entrepreneurial Leadership Program at Penn State York. He has also received the Benjamin Rush Award from Dickinson College. His community support includes projects such as the Graham Aquatic Center in York, PA.

From the University of Michigan he has received the Alumni Society Medal for extraordinary achievement, has been involved in and supported the Tauber Institute, the Graham Environmental Sustainability Institute, the Sam Graham Trees and Trails, the Graham Nanotech Labs, the Technical Entrepreneurial Studies Program and has supported scholarships and several projects at the Athletic Department. He has served in various capacities at the University including the President's Advisory Group, College of Engineering National Advisory Committee and Honorary Co-Chair for the Michigan Difference Campaign.

Mr. Graham serves as Chairman of the Board of Trustees of the Mpala Wildlife Foundation in Kenya which manages a Scientific Research Centre, Ranch and Wildlife Conservancy, as well as a health clinic and a school for children. He also serves on the African Wildlife Foundation Board. The African Wildlife Foundation's mission is to conserve wildlife, protect land and empower people throughout Africa.

Mr. Graham has been active in many professional organizations, including Young Presidents' Organization, Chief Executive Officers, World Business Council, American Business Council, Recycling Advisory Council and the local Pennsylvania Manufacturer's Association where he was Chairman. He currently serves on over ten Corporate Boards.

Mr. Graham earned his Bachelor's Degree in Mechanical Engineering and his Master's Degree in Industrial Engineering and Business Management from the University of Michigan. Mr. Graham has received Honorary Doctorate Degrees from both York College of Pennsylvania and the University of Michigan.



SPE Pittsburgh Section



The Pittsburgh section had another successful year both financially and content wise. The annual golf outing attracted about 140 for a day of fun and support of our Scholarship program. WE want to thank our sponsors and attendees for their support. Our Board is lead by young professionals who have committed to a successful SPE. We are co-sponsoring the Annual Blow Molding Conference (ABC) in October and expect a record turn out for this wonderful event. The Blow Molding Division has impressed us with their organization and drive to make this event a success. We continue to struggle with increasing membership, but believe that our program and new initiatives by International will help to improve this next year.

Come join us for our monthly meetings and grow your knowledge and meet new friends.

As many will see at the ABC, Pittsburgh is a lovely city with many great attributes, which includes a dedicated Board of Directors looking to enhance the local SPE.

Pittsburgh Section Officers

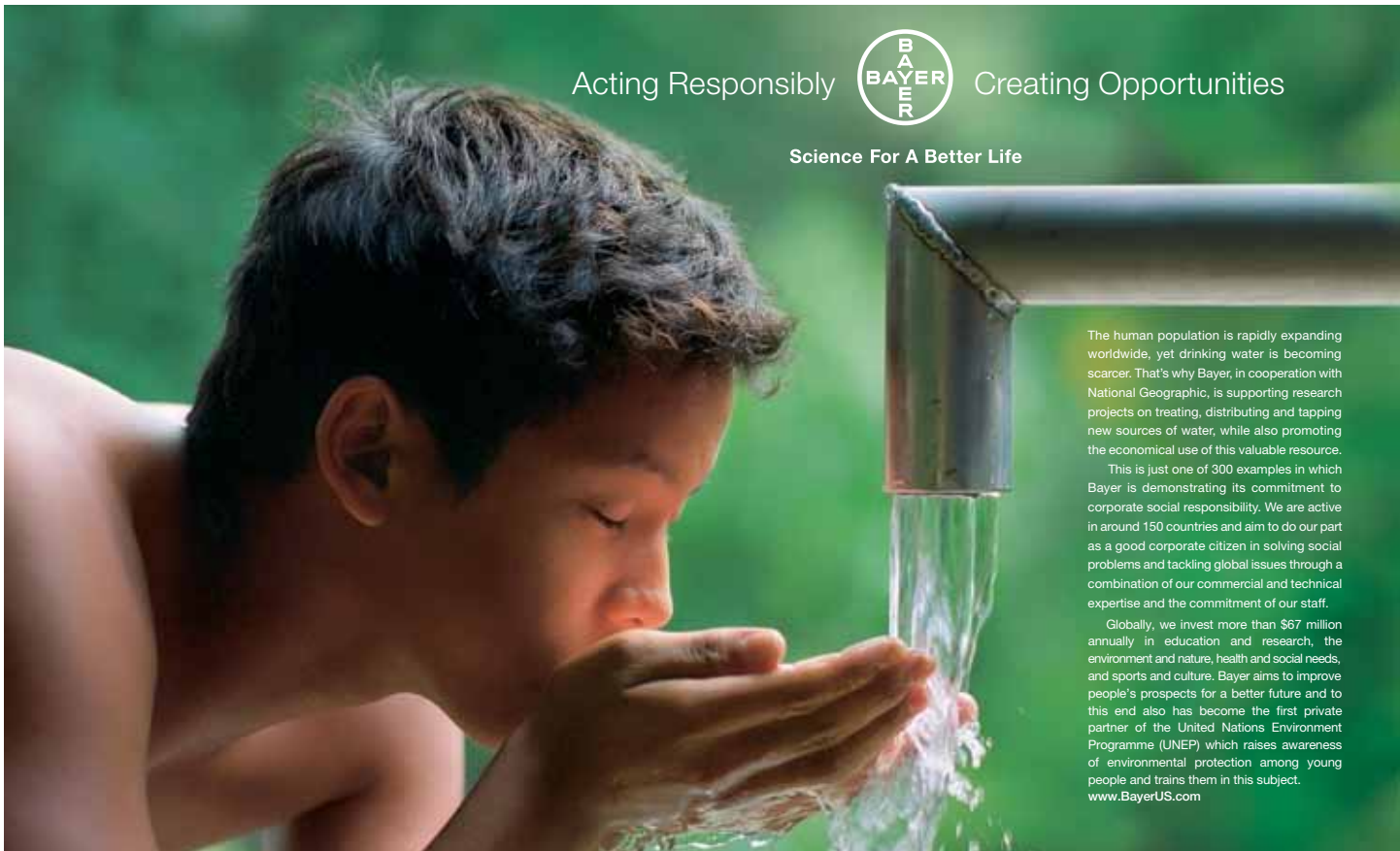
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Acting Responsibly



Creating Opportunities

Science For A Better Life



The human population is rapidly expanding worldwide, yet drinking water is becoming scarcer. That's why Bayer, in cooperation with National Geographic, is supporting research projects on treating, distributing and tapping new sources of water, while also promoting the economical use of this valuable resource.

This is just one of 300 examples in which Bayer is demonstrating its commitment to corporate social responsibility. We are active in around 150 countries and aim to do our part as a good corporate citizen in solving social problems and tackling global issues through a combination of our commercial and technical expertise and the commitment of our staff.

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



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**SPE Blow Molding Division's
2011 Carrie Fox Solin Memorial Scholarship**

Harry P. Koshulsky

is the recipient of the 2012 Blow Molding Division's Carrie Fox Solin Memorial Scholarship. He is a senior at the Pennsylvania College of Technology (PCT) in Williamsport, Pennsylvania, and will graduate in May 2013 with a Bachelor of Science Degree in Plastics and Polymer Engineering Technology.



He started studying plastics as a junior in high school by taking Dual Enrollment College Courses in thermoforming, injection molding, extrusion blow molding, rotational molding and basic machining through the Pennsylvania College of Technology PCNow Program. This program allows high school student to declare a college major and earn credits while still in high school. Harry was able to earn seventeen college credits by the time he graduated from high school. During his senior year, Harry received an advanced mark from NOCTI (National Occupational Competency Testing Institute) for the end-of-program assessment in the computer-aided drafting and design program, for which he received a Pennsylvania Skills Certificate from the Pennsylvania Department of Education.

Upon college graduation, Harry will be the first student to complete the Workforce Leadership Dual Enrollment 2+2+2 program in PCT's Plastics and Polymers Technology Program.

During his summer breaks, Harry works at TE Connectivity, formerly Tyco Electronics, in the Injection Molding Department. His job responsibilities range from the basic operation of three molding presses, inspecting parts for quality assurance, to pulling and setting molds.

Since his freshman year, Harry has been a member of the Society of Plastics Engineers Student Chapter at Pennsylvania College of Technology. In his junior year, Harry served as social chair of the Society of Plastics Engineers Student Chapter and will be a fundraising co-chair in his senior year. Harry volunteers for numerous civic and community organizations, and is a volunteer firefighter for two area fire companies.

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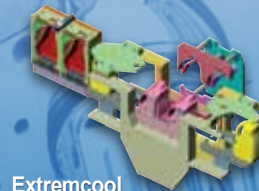
Industrial



Packaging



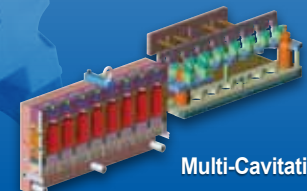
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The Three Rivers of Success—Innovation, Efficiency and Sustainability

28th Annual Blow Molding Conference

October 9-10, 2012

Sheraton Station Square Hotel

300 West Station Square, Pittsburgh, Pennsylvania

MONDAY, October 8, 2012

Time to be determined	Tour and Demos at Braskem America
3:00 pm - 5:30 pm	Exhibitor Check-in and Set-up (Reflections, Waterfront, Admiral Rooms)
5:30 pm - 7:00 pm	Registration, Welcome Reception and Exhibits (Reflections, Waterfront, Admiral Rooms)

TUESDAY, October 9, 2012

7:30 am - 8:30 am	Registration and Continental Breakfast (Reflections, Waterfront, Admiral Rooms)	
8:30 am - 10:15 am	General Session I - (Grand Station I) Moderator: Ben Lopez, Kautex Maschinenbau GmbH	
8:30 am - 8:45 am	Welcome and Chairman's Message - Jeff Light and Ben Lopez	
8:45 am - 9:30 am	Leveraging Sustainability to Drive Consumer Product Innovation Dr. Michael Okoroafor, VP, Global Packaging R&D/Breakthrough Innovation, H.J. Heinz Co.	
9:30 am - 10:15 am	Blow Molding Resins Outlook - Polyolefins & PET Howard Rappaport, Sr. Director Chemical IHS	
10:15 am - 11:00 am	Refreshment Break - Networking and Exhibits - (Reflections, Waterfront, Admiral Rooms)	
11:00 am - 12:30 pm	General Session II - (Grand Station I) Moderator: Jeff Light, A-ToP Polymers, Inc.	
11:00 am - 11:30 am	New OEM Council Joining SPI to Represent Interests of Brand Owners and OEMs William Carteaux, President, CEO, SPI	
11:30 am - 12:00 pm	North American Polyolefins: Incremental Change or Transformation? Impact of the Marcellus Shale Development - Srivatsan Iyer, VP, Finance, Planning and Strategy, Braskem America	
12:00 pm - 12:30 pm	Sustainability in the Plastic industry - Just What Does That Mean? - James Chrise, VP & GM Business Unit Polycarbonates Advanced Resins at Bayer Material Science	
12:30 pm - 2:00 pm	Luncheon (Grand Station 2-5) Moderator: Scott Steele, Plastic Technologies, Inc. Society of Plastics Engineers - The Real Power of Membership Lauren McCarthy, Member Services Liason SPE, Tim Womer, SPE National Past President, & Dick Cameron, Vice President, SPE Executive Committee	
2:00 pm - 3:30 pm	Session 1A - Barrier Options for Packaging - (Fountain View) Moderator: Henry Vogel, Heise Industries	
2:00 pm - 2:30 pm	2:30 pm - 3:00 pm	3:00 pm - 3:30 pm
Innovations and the State-of-the-Art in Barrier Coating Technology -Stephen J. Honchar, Sr. Product Specialist, KHS Corporplast North America, Inc.	Barrier Packaging and Sustainability -Paul Banks, Senior Vice President, Fluoro-Seal International LP	Additives to Improve Regrind Utilization and Recycling in High Barrier Multi-Layer Containers - Dr. Jose Torradas, Senior Technical Consultant, DuPont Packaging

TUESDAY, October 9, 2012 (cont.)

2 : 0 0 P M - 3 : 3 0 P M	<p>Session 1B: Industrial - Fuel Tanks; Today and Tomorrow - (Grand Station I) Moderators: Gerry Hobson, Hobson Consulting & Mike Hall, Kyoda America</p>	
<p>2:00 pm - 2:30 pm Polyamide—An Innovative Material for Fuel Systems - Maik Schulte, Global Applications Dev. - High Performance Materials, LANXESS and Eric Sheppard, NAFTA Applications Development - High Performance Materials, LANXESS</p>	<p>2:30 pm - 3:00 pm Systems to Meet Advanced Developments in Fuel Clean Car Standards-LEVIII - Dr. Mohammad Usman, Mgr. PowerTRain Installations, CAE & Materials and Syed Ahmad, CAE Product Developments Engineer, Ford Motor Company</p>	<p>3:00 pm - 3:30 pm Cost Effective Alternatives for Low Permeability S.O.R.E. Gas Tanks -George Zollos, Market Development Manager, Ticona Polymers</p>
3 : 3 0 p m - 4 : 0 0 p m	<p>Refreshment Break - Networking and Exhibits - (Reflections, Waterfront, Admiral Rooms)</p>	
4 : 0 0 p m - 5 : 3 0 p m	<p>Session 2A - Medical Devices and Packaging - (Fountain View) Moderator: Gary Carr, Bekum America Corporation</p>	
<p>4:00 pm - 4:30 pm Advanced Aseptic B/F/S Technology: Packaging and Devices for Pharmaceutical Appls. - Dr. Michael Spallek, Dir., Appls. Innovations, kocher-plastik Maschinenbau</p>	<p>4:30 pm - 5:00 pm Case Study: High Output, HDPE 50ml Tablet Bottles - Ambrogio Invernizzi, Product Manager, Uniloy Milacron, Italy</p>	<p>5:00 pm - 5:30 pm Producing Hollow Complex Multilayer Medical Parts-Gaetano Donizetti, Principle Engineer, Persico S.p.A.</p>
4 : 0 0 p m - 5 : 3 0 p m	<p>Session 2B - Industrial Processes - (Grand Station I) Moderator: Bob Jackson, Jackson Machinery, Inc.</p>	
<p>4:00 pm - 4:30 pm Die-Shaping for Large Part BlowMolding - Erik Skov, Research Fellow, Newell-Rubbermaid</p>	<p>4:30 pm - 5:00 pm Flat Blow Molded Parts with Improved Properties - Chuck Flammer, Vice President of Sales, Kautex Machines, Inc.</p>	<p>5:00 pm - 5:30 pm Setting Up and Using Parison Control for Industrial Blow Molding - Kim Shipway, Technical/OEM Sales Manager, Invensys Eurotherm</p>
6 : 0 0 p m - 6 : 3 0 p m	<p>Boarding Gateway Clipper Cruise Ship</p>	
7 : 0 0 p m - 9 : 0 0 p m	<p>River Cruise, Dinner and Awards Program</p>	

WEDNESDAY, October 10, 2012

7:30 am - 8:30 am	<p>Continental Breakfast and Exhibits (Reflections, Waterfront, Admiral Rooms)</p>	
8 : 3 0 a m - 1 0 : 0 0 a m	<p>Session 3A - Packaging Recyclability & Sustainability (Grand Station I)</p>	
<p>Panel Discussion Moderator: Scott Steele, Plastic Technologies, Inc.</p> <p>8:30 am - 9:30 am Individual Panelist Presentations of 10 minutes each.</p> <p>9:30 am - 10:00 am Panel Discussion</p>	<p>ASTM and the Former SPI Resin Identification Code System -Dr. Thomas Pecorini, Research Fellow, Eastman Chemical Company</p> <p>End-User Case Study -Dr. Surendra Agarwal, Creative Group India</p> <p>Case Study - Sustainability in Rigid Packaging for the North American Market -Thomas Gallagher, Technical & Innovation at Braskem</p> <p>Converter Presentation - Speaker to be Determined</p> <p>Recycler Presentation - Scott Booth, COO, Envision Plastics</p>	

WEDNESDAY, October 10, 2012 (cont.)

8:30 am - 10:00 am	Session 3B: Industrial Topics - (Fountain View) <i>Moderator: Mark Heitker, Ineos Olefins & Polymers, USA</i>	
8:30 am - 9:00 am Compressed Air Efficiencies -Clayton Penhallegon, Jr., President, Integrated Services Group	9:00 am - 9:30 am Composite Pressure Cylinders - Sean Stephan, Regional Manager, Kautex Machines, Inc.	9:30 am - 10:00 am Advanced Machine Controls to Control Costs - George Hurden, Regional Manager, Kautex Machines, Inc.
10:00 am - 10:30 am	Refreshment Break - Networking and Exhibits - (<i>Reflections, Waterfront, Admiral Rooms</i>)	
10:30 am - 12:00 pm	Session 4A - Packaging Topics - (Grand Station I) <i>Moderator: Piaras de Cleir, Kraft Foods</i>	
10:30 am - 11:00 am Layer and Bottle Weight Control - Alan Landers, Product Manager, Upstream Extrusion, Conair	11:00 am - 11:30 am Accelerating Custom Bottles Using Additive & Subtractive Methods - Greg Healey, Business Development Manager, Dynacept Corporation	11:30 am - 12:00 pm Gradation Technology Attracts Personal Care Applications - Wolfgang Meyer, President, W. MÜLLER USA, Inc.
10:30 am - 12:00 pm	Session 4B - Medical Devices and Packaging - (Fountain View) <i>Moderator: Lew Ferguson, PARISONS</i>	
10:30 am - 11:00 am Equipment for Energy Savings and Efficiency Focusing on Clean Operation for Sophisticated Medical Applications - Holger Trapp, Technical Sales and Distribution, Hesta Blasform- technikrik	11:00 am - 11:30 am Medical Plastics Product Development -Jason Williams, Head, Medical Plastics Center of Excellence at Penn State Erie, The Behrend College	11:30 am - 12:00 pm Polycarbonate Materials for Blow Molding and Applications - Pierre Moulinie, Product Steward, Medical and Food-Contact Products - Polycarbonates, Bayer MaterialScience
12:00 pm - 1:00 pm	Luncheon and Final Exhibits	
1:00 pm - 2:30 pm	Plastics 101 Sessions - (Grand Stations II-V)	
Extrusion Blow Molded Containers & Packaging 101 <i>Moderator: Cal Becker, Eastman Chemical Co.</i>	1:00 pm - 1:45 pm Shuttle Blow Molding Technology - Klaus Mischkowski, Consultant for the Blow Molding Industry	2:00 pm - 2:30 pm Recip Screw Overview - Dale Maddox, Process Engineer, Uniloy Milacron
Stretch Blow Molding: Containers & Packaging <i>Moderator: Jamie Pace, Nissei ASB Co.</i>	1:00 pm - 1:30 pm Single-Stage Stretch Blow Molding - Dan Donovan, Midwest Regional Sales Manager, Nissei ASB Company	1:30 pm - 2:00 pm Two-Stage Stretch Blow Molding - Dan Durham, Director Global Accounts, Plastic Technologies, Inc.
Injection Blow Molding 101 <i>Moderator: Jamie Pace, Nissei ASB Co.</i>	2:00 pm - 2:30 pm Injection Blow Molding, Concept and Possible Applications -Ambrogio Invernizzi, Uniloy Milacron, Italy	
Industrial Blow Molding 101 <i>Moderator: Geoff Ward, Agri Industrial Plastics</i>	1:00 pm - 1:45 pm Overview of Accumulator Heads - Bob Jackson, President, Jackson Machinery, Inc. and Gerry Hobson, Owner, Hobson Consulting	2:00 pm - 2:30 pm 3D Suction Blow Technology - Klaus Mischkowski, Consultant to the Blow Molding Industry
Resins 101 <i>Moderator: Terry Glass, Braskem America</i>	1:00 pm - 1:45 pm Overview of Polyolefins - Terry Glass, Strategic Marketing Manager, Braskem America	1:45 pm - 2:30 pm Overview of PET - Scott Steele, President, Plastic Technologies, Inc.

WEDNESDAY, October 10, 2012 (cont.)

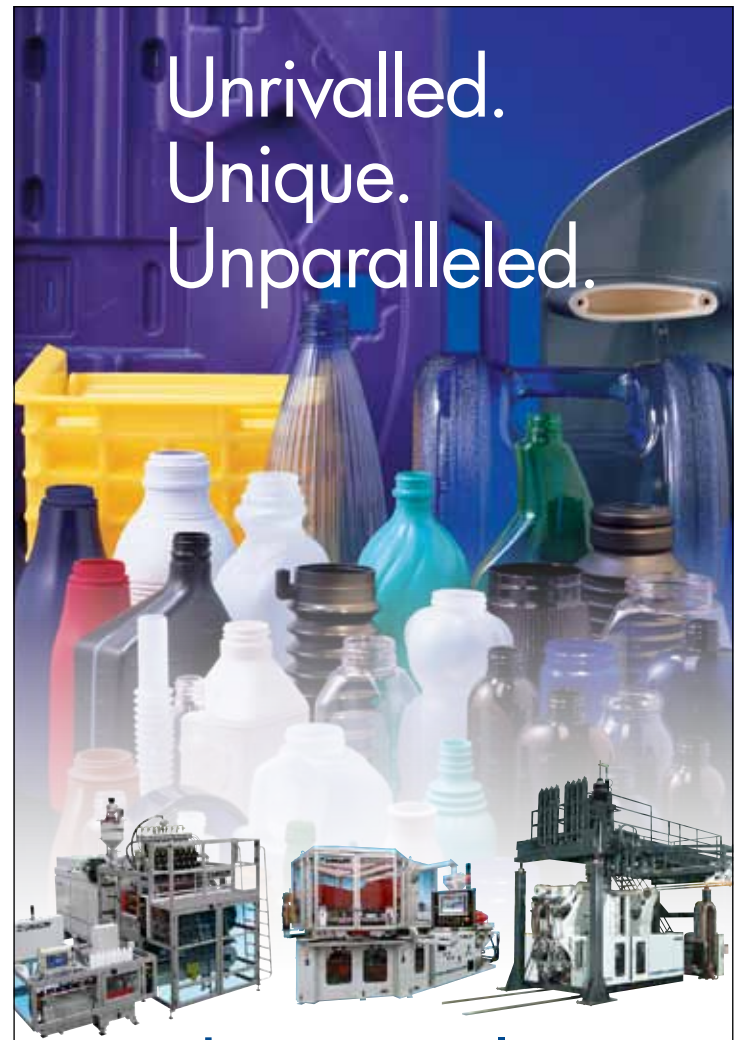
<p>Screw Design 101 Moderator: Surendra Agarwal, Creative Group India</p>	<p>1:00 pm - 2:30 pm Overview of Screw Design - Tim Womer, President, TWWomer & Associates, LLC</p>	
<p>2:30 pm - 3:00 pm</p>	<p>Refreshment Break - Networking and Exhibits <i>(Reflections, Waterfront, Admiral Rooms)</i></p>	
<p>3:00 pm - 4:30 pm</p>	<p>Plastics 101 Sessions (cont.) <i>(Grand Stations III-V)</i></p>	
<p>Molds and Designs 101 Moderator: John Rathman, Chevron Phillips Chemical Co. LP</p>	<p>3:00 pm - 3:45 pm New Die Technologies: Improving Part Quality & Reducing Costs - Dr. Heinz G. Gross, Founder, Gross Kunststoff-Verfahrenstechnik</p>	<p>3:45 pm - 4:30 pm Three-Layer Blow Molding with Recycled Content—Is Retrofitting Existing Equipment Justifiable? - Wolfgang Meyer, President, W. Muller USA, Inc.</p>
<p>Resins 101 (Part 2) Moderator: Ron Puvak, Plastic Technologies, Inc.</p>	<p>3:00 pm - 3:45 pm Bio-Based Materials - Lori Yoder, Director, Material Applications, Plastic Technologies, Inc.</p>	<p>3:45 pm - 4:30 pm Engineering Thermoplastics - Lew Ferguson, PARISONS</p>
<p>Robotics & Secondary Operations Moderator: Randy Moynihan, Chevron Phillips Chemical Co. LP</p>	<p>3:00 pm - 3:30 pm Leak Testing Alternatives for Blow Molded Containers in the 50-250 BPM 'Mid Speed' Range - Scott Heins, Sales Manager, Air Logic Power Systems, LLC</p>	<p>3:30 pm - 4:00 pm Packaging Your Containers: Choices for Packing Empty Bottles - Geert Beerens, Vice President, Delta Engineering, Inc.</p>
<p>Vision Systems 101 Moderator: Mark Barger, The Dow Chemical Company</p>	<p>4:00 pm - 4:30 pm Use of Vision Inspection & Automated Blow Molder Controls to Manage Quality- Georg Wolfe, Chief Technical Officer, AGR International, Inc.</p>	
<p>Medical Materials & Device Design 101 (3:00-4:30 pm) Moderator: Dale Klaus, Quality Custom Molding</p>	<p>3:00 pm - 4:30 pm Material Selection and Design Overview - Len Czuba, Principal, Czuba Enterprises</p>	
<p>5:00 pm</p>	<p>Conference Concludes</p>	



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Society of Plastics Engineers Blow Molding Division

PITTSBURGH



28th Annual ABC 2012 Blow Molding Conference

October 9th & 10th, 2012

Sheraton Station Square, Pittsburgh, Pennsylvania



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 of entertainment options
- 30 Million residents within 400 miles
- Less than 4 hour drive from major population centers

Local Companies

- | | | | | |
|------------------------|--------------------|-----------|---------------------------------|------------------|
| • Bayer | • Heinz | • Cannon | • MSA | • Nova Chemicals |
| • Medrad | • Austins Products | • Valspar | • SAE Headquarters | |
| • Phillips-Respironics | • Conair | • PPG | • Penn State University Behrend | |

SPONSORSHIP AND EXHIBIT OPPORTUNITIES



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)

SPEAKER OPPORTUNITIES



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.

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Society of Plastics Engineers Blow Molding Division

PITTSBURGH



28th Annual Blow Molding Conference
28th Annual Blow Molding Conference
and Exhibits

October 9th-10th, 2012

Sheraton Station Square Hotel
300 West Station Square, Pittsburgh, PA 15219

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 dctumer@earthlink.net.

Questions? Contact Deirdre Turner at (248) 505-5136 or by email

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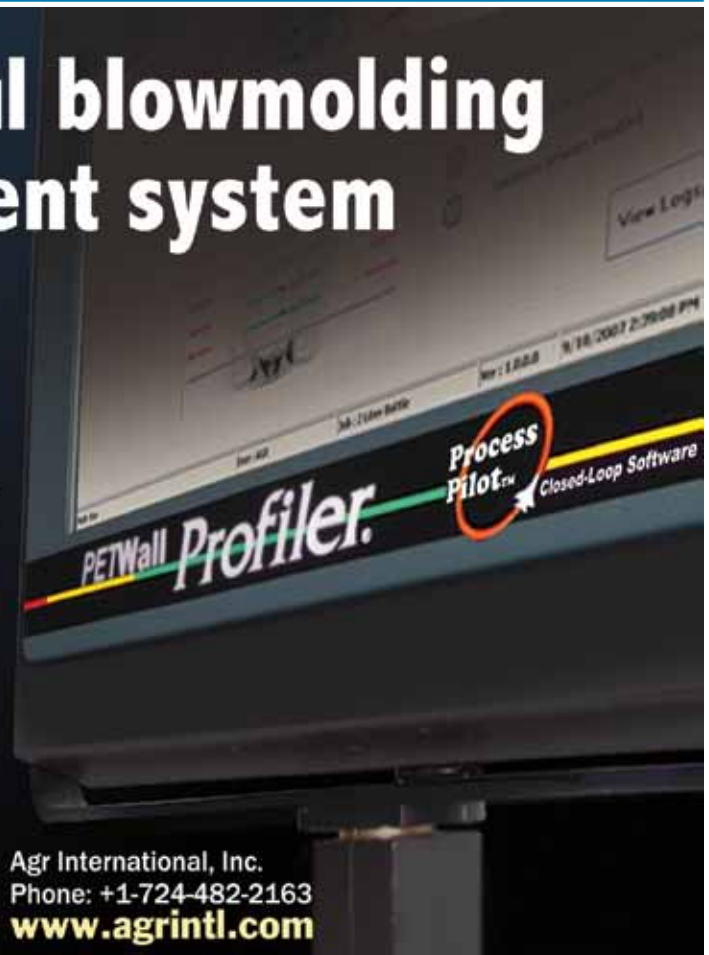
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Marketing benefits			
3 Division electronic format newsletter ads. Newsletter is placed on division's website (www.blowmoldingdivision.org)	One-half page (8 1/2" x 5 1/2")	One half-page (8 1/2" x 5 1/2")	Business card sized advertisement (2" x 4")
Ad posted on Blow Molding Division website with <i>hotlink</i> to your company's website	✓	✓	✓
Conference benefits			
One tabletop exhibit space in ABC 2012 Conference Exhibits (\$600 value)	✓	✓	
One hospitality sponsorship at ABC 2012 with corporate recognition (\$1200 value)	✓		
Two complimentary registrations (\$1190 value) to ABC 2012.	✓		
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ABC 2012 Sponsor Highlights

Blow molding technology leader Uniloy is proud to announce the opening of Uniloy University, a unique, comprehensive industry resource early in the 4th Quarter 2012. The dedicated 15,000 square foot space is located within Uniloy North America's headquarters in Tecumseh, Michigan. This new center of excellence will enable advanced research and development functions including product optimization, resin/materials trials, new container design prototyping, production feasibility studies, and a wide range of exploration from concept to commercialization using blow molding technology. The production lab will include a latest generation UR70 series, as well as one of Uniloy's workhorse 350 Series machines. These machines will be used both for R&D as well as training programs. The lab will also include state-of-the-art auxiliary components for end-to-end production optimization. In addition to the production lab, Uniloy University features a dedicated analytical lab that nearly triples the size of the previous facility. Best-in-class analytical resources will help quantify findings, ensure repeatable tests, and provide insight into test data. The University also maintains customer workspaces with private phone lines and high-speed Internet access so visitors can remain plugged-in and not lose productivity. According to Dave Skala, Uniloy VP and General Manager, "Our goal was to create an environment that fosters blow molding innovation. This new facility was designed from the ground up to meet nearly every conceivable need and give our customers and partners a place to learn and grow the science of blow molding." Uniloy University is just one example of Uniloy's longstanding commitment to innovation. Uniloy originated the lightweight, handled, plastic milk jug in 1963, and its reciprocating blow molding machine has since become the "industry standard," with more than 3,800 in use worldwide. In addition, the company provides a full range of turnkey system services, including container design, mold development and manufacturing, prototyping and preproduction runs, and system commissioning – as well as an extensive parts and service network. The company has facilities in Italy, Germany, Czech Republic, United Kingdom, Mexico, China and India, in addition to the U.S.



Proco Machinery Inc., is a leading supplier of automation systems for the plastics container industry, has launched the industry's first integrated take-out system which incorporates a deflasher and leak testing system for space savings and reduced cost. "Our new technology has taken the take-out system to a new level, providing a reduced footprint and substantial cost savings, since processors don't have to purchase all three machines separately," said John McCormick, president of Proco Machinery. The company's patent-pending Robopik Plus, which is an upgraded version of Proco's original Robopik model, accommodates a wide range of shuttle extrusion blow molding (EBM) machines (including Bekum H style) without modification or adjustment. The Robopik Plus takes the container and transfers it directly from the deflasher where the tail and top flash is removed. In the same station, a special optional spin trimmer is also available to spin off any dome flash that exists. After deflashing, a specially designed articulated vacuum conveyor extends into the



deflasher and retracts with the container in an upright orientation. The container is then leak tested on this same conveyor. The integrated system permits the use of only one set of tooling (unlike two sets required for the previous system) and also facilitates easy changeovers. The Robopik Plus is not limited by shape or size and can handle tottle-type containers with any number of mold cavities. The new system also boasts an upgraded control system with a color touch screen and the capability to store job recipes for easy

recall. Proco Machinery offers the new system globally and is currently working on a number of successful projects at both domestic and global blow molding facilities.

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P

rocess Control Corporation, the leading innovator and manufacturer of auxiliary equipment and systems for the plastic processing industry



has now incorporated regrind and powder feeders for use on all sizes of its popular line of Guardian® Series 2 gravimetric batch blending systems. The feeders are both auger type for use with difficult-to-flow sheet regrind and ground up scrap from spews of off-spec parts, or a wide range of difficulty to feed, powder materials. In most sheet, in-line thermoforming, and molding applications, customers need the capability of feeding up to 50 percent or more of ground scrap back into the process. By



“refeeding” this material back through a Guardian® Series 2 gravimetric batch blending system, the amount of scrap can be controlled and recorded. Conventional gate-feeder designs can jam and bridge over, resulting in feeding inconsistencies that affect system accuracy and performance. Through extensive research and testing, Process Control engineers have optimized the design of the regrind feeder auger to prevent these and other problems that lead to costly process interruptions. By incorporating the popular PF Series powder feeders into our complete line of Guardian® blenders, one or two powder materials can be blended with standard pellets and/or regrind materials at a very economical price. These specialty feeders are now available on all Guardian® Series 2 blender sizes (2.5 5 kg, 12 kg, 18 kg and 25kg) for throughputs of up to 9600PPH and 12 components per blender, and they are available with a variety of auger/gearmotor combinations to accommodate a

very wide range of materials and blend ratios.

R

&D/Leverage’s creativity in mold manufacturing for PET tooling, IBM tooling and Injection molds, as well as unit tool development, testing and validation, is making it possible for Iowa State University (ISU) scientists to develop sustainable horticulture containers—eco-friendly flower pots—in a massive USDA-funded , multi-institutional research program targeting the \$7.12 billion container specialty crop industry. The goal of the program is to develop a commercially feasible bioplastic container design, an alternative to petroleum-plastic containers that can potentially save \$706 million annually, according to researchers. The industry



encompasses bedding plants, fruits and vegetables and containerized shrubs and trees for residential gardening and landscaping. Called “Bioplastic Container Cropping Systems: Green Technology for the Green Industry.” The five-year research program is the largest of its type ever performed. “Bioplastic containers degrade harmlessly when installed with the plant in a garden or landscape” said Dr. James Schrader, Co-PI for the project at ISU.

“Another key benefit of the new-breed containers is the ability to shift from foreign feedstocks to bio-renewables.” “We enjoy challenging the status quo and, in this case, we had been excited about working with bio-resins,” said Jeff Cooper, R&D/leverage’s Engineering Manager—Mold Design and Manufacture. “The key issue wasn’t about dimensions and tolerances but had more to do with the materials being used and their moisture content,” Cooper said. “This was a project that got our creative juices flowing and one that will help us develop solutions for other customers seeking sustainable alternatives.

You can access
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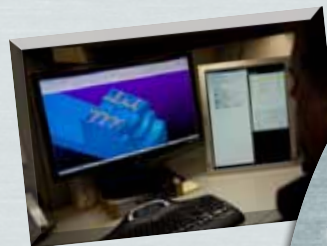
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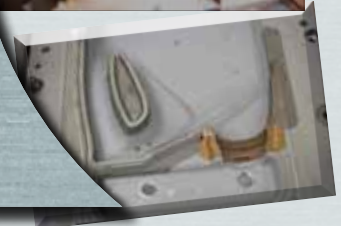
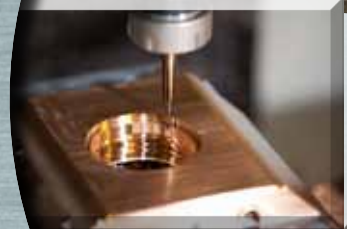
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ABC 2012 Sponsor Highlights

F

inding a high-performance screw for certain blow molding applications is often a challenge. R&B Plastics Machinery is pleased to introduce the Max-Recip Impact Screw, a new line of feed screws specifically designed for high throughputs, low melt temperatures and improved mixing capabilities. Most often used to make dairy bottles and other packaging applications, said Matthew Gifford, Technical Product Manager. "Our customers in the dairy and juice markets repeatedly told us how difficult it was to find feed screws engineered to their needs. Milk processing plants rely on quality containers and on-time delivery, which requires bottle suppliers to run efficient, consistent operations. Tests with our new Max-Recip Impact Screw showed high performance and lower shear for reduced melt temperature," Gifford explained. The new feed screws are made of high quality carbon steel with bi-metallic flight hard-facing and chrome plated for extended production life. This provides long-term durability and performance capabilities, which are critical for manufacturing," he added. The new Max-Recip Impact screws are for replacements/upgrades as well as new machine screws. The Max 350R2 Recip screw (its technical name) was designed by Tim Womer, R&B's Chief Process Consultant. Womer has developed more than 5,000 screw designs as well as numerous patents for blow molding, extrusion, and thermoforming applications. Earlier this year R&B Plastics Machinery introduced the MAX Impact feed screw line for extrusion applications; the Max-Recip design complements those screws with even more features to enhance production throughput for bottles. R&B manufactures extrusion and blow-molding machinery for the plastics industry. "We believe there are good opportunities to better serve these end-use markets with a high-performance reciprocating blow molder screw custom-designed to provide consistent results at maximum throughput," Gifford said.



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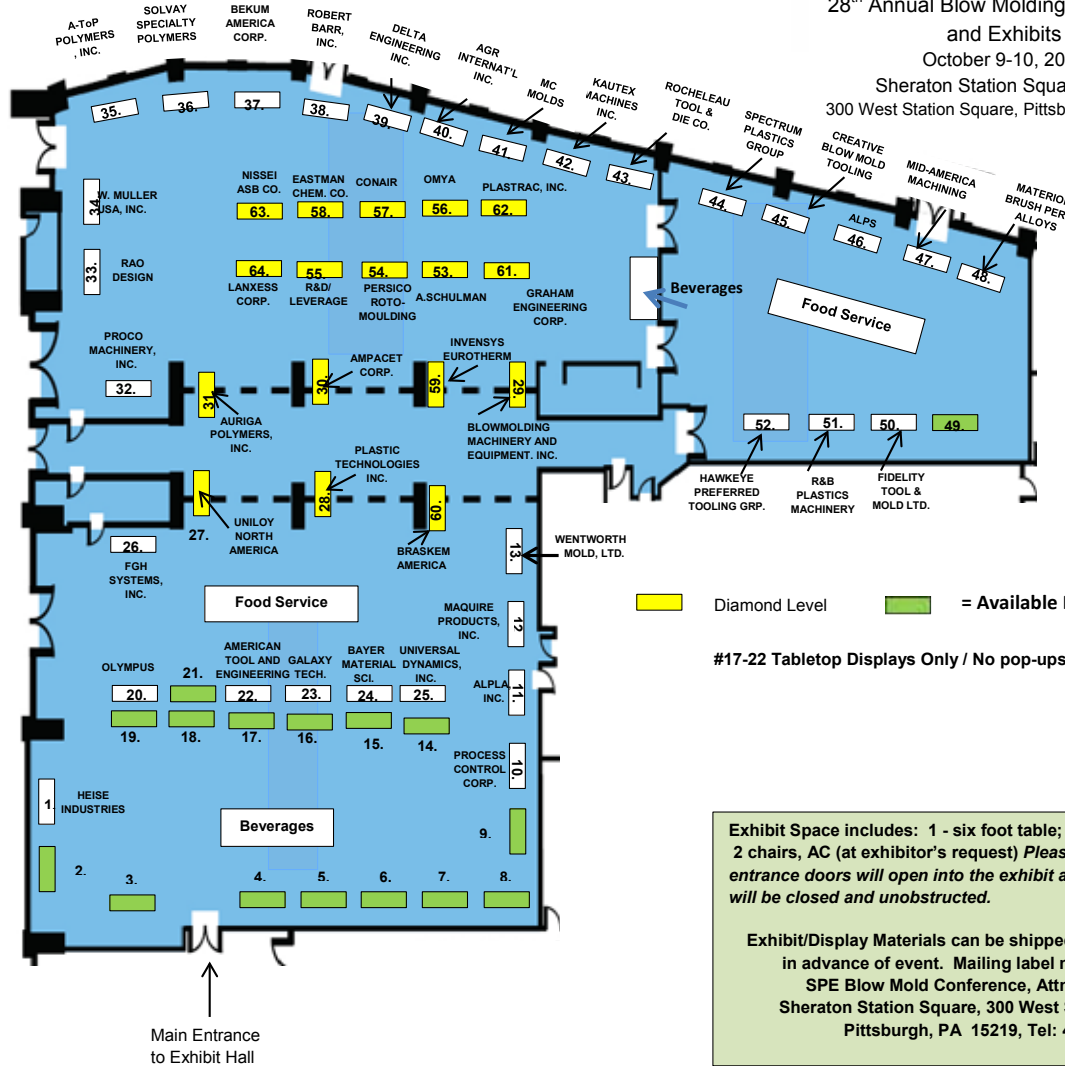
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4. The employee must have company recommendation and support.
5. Costs exceeding \$500 will be the responsibility of the employee or employer.

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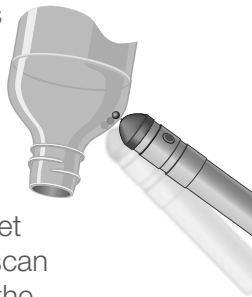
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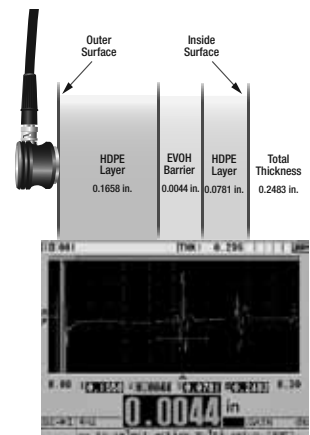
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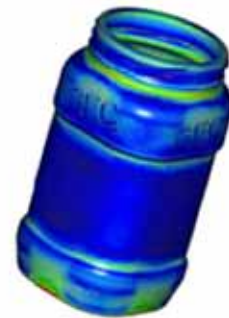
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Contributions to the Blow Molding Division Education Committee

CKS Packaging
contributed \$1000 to our general education fund

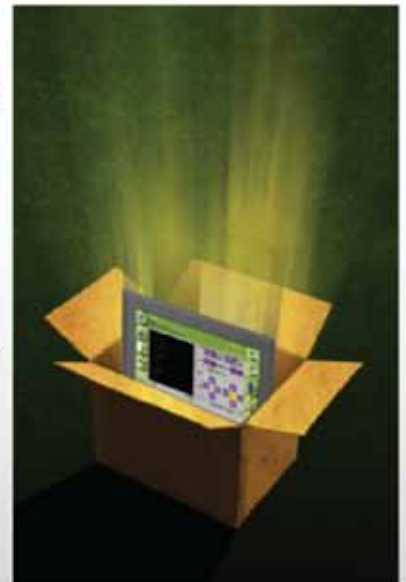
Kautex Maschinenbau
contributed \$500 to our general education fund

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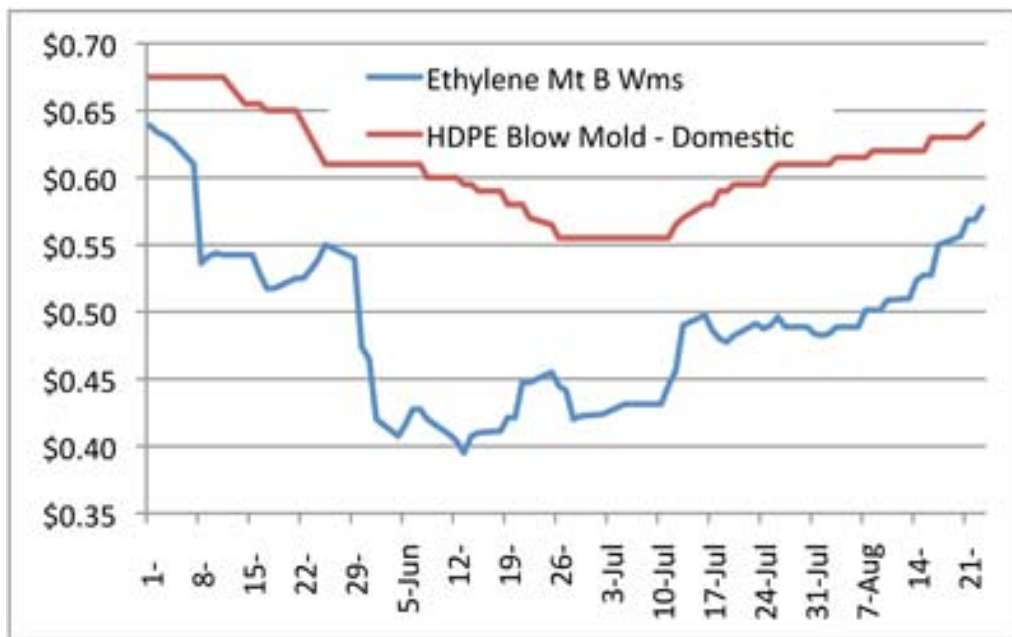


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2012 Market Fluctuation

The month of May was a volatile time for ethylene, as spot prices dropped nearly 20 cents per pound. Adding to the dramatic slide was the fact that prices saw unusually large single-day drops two times. On May 8th, ethylene fell from 61 cents to 53.5 cents. It stayed in the low 50s for nearly the rest of month before dropping from 54 cents to 47.5 cents on May 30th. During this time, spot polyethylene prices also fell, but not to the degree that monomer did. Spot HDPE blow mold, for example, began the month of May not too far above ethylene, at 67.5 cents (basis delivered railcar East of the Rockies). Spot HDPE eased to 65 cents by May 15th and then steadily drifted down to 61 cents by May 25th. By the end of May, ethylene was 46.5 cents and HDPE was still at 61 cents. June began with another jolt to ethylene, with prices sliding a further 4 cents in a single day to 42 cents. Ethylene gradually traded down to 39.5 cents by June 13th, while HDPE BM had only fallen from 61 cents to 59.5 cents. In mid-June, ethylene began to turn around as several olefins plants scheduled to restart from maintenance outages struggled to return to service.

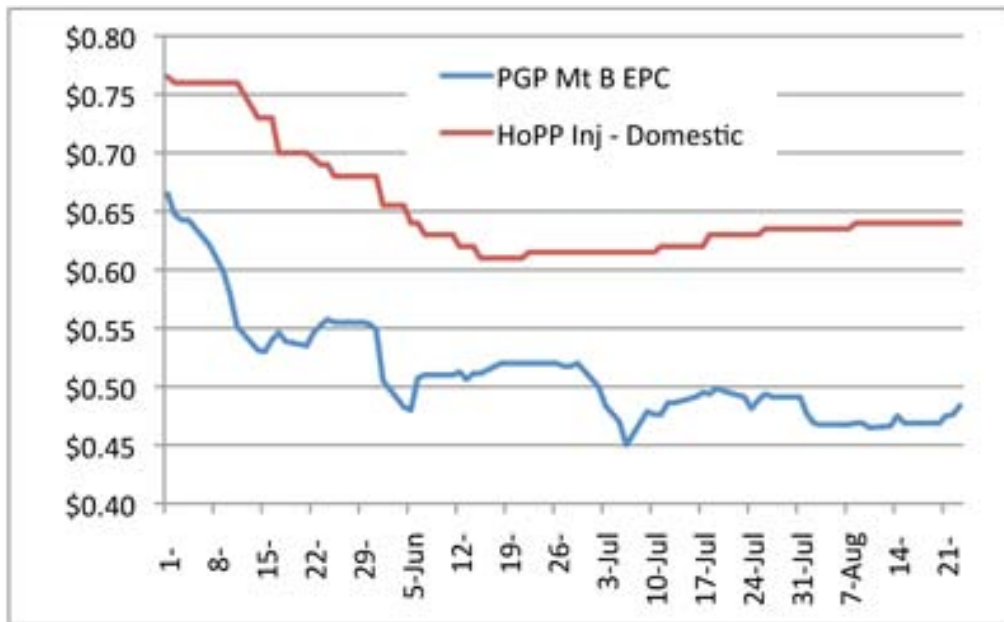
Ethylene prices steadily rose from mid-June and with the exception for a brief dip in the final days of the month, continued rising to nearly 50 cents by mid-July. With all ethylene plants running, the market hovered in the upper 40s cpp range for about two weeks as speculation wavered around the belief that downstream demand was truly strong. PE prices in the meanwhile, steadily rose as demand continued, crossing back above the 60-cpp level in the domestic spot market for HD BM.



August has been a relatively surprising month for the ethylene market, as prices continued pushing higher. Some intermittent, short-term unplanned ethylene plant outages certainly supported the higher prices, and the demand pull from both the international and domestic resin markets has kept ethylene plants running hard. Starting the month at 50 cents, ethylene prices rose to 55 cents by August 17th, and have continued edging higher as low inventories, strong demand and speculation about the September storm season in the Gulf have created a very hot commodity indeed. Polyethylene prices have not run up with the same fervor, however, but have steadily risen regardless of the one-day price jumps seen upstream. Going into the last week of August, HDPE BM spot prices were in the mid-60s cpp range – maintaining a margin, but nothing compared to the 40-cent spread seen between ethylene and the popular feedstock ethane. The PE market now faces a familiar scenario: higher prices that keep margins intact could limit international opportunities and therefore build domestic supply that could inspire run cuts if stockpiles overflow in October. It's a scenario that the market has seen at exactly this time of year for several years, and prices have typically dropped quickly in the fourth quarter. Storm season has exacerbated this situation some years, and that could also be on the horizon in September.

Continued on next page

The polypropylene chain has seen nearly the opposite trend as polyethylene. Propylene monomer prices had been significantly higher than ethylene in the early part of 2012, usually 10 cents above it or more. When ethylene spiked at the end of March to 75 cents, it nearly caught up to propylene, which was 78 cents at the time. The two monomers drafted back to the low to mid-60s cpp range by May and continued easing at the same rate for much of the month. However, when ethylene plunged 7 cents at the end of May to 47 cents, propylene was steady, ending the month at 55 cents. Polypropylene prices also eased during May, but not as quickly as its monomer. Spot domestic HoPP injection grade prices began the month at 76 cents, 10 cents above monomer, and were 68 cents by the end of May, 13 cents above monomer.



Unlike PE, polypropylene prices were not particularly attractive to the international marketplace, and domestic sales began to slow. The effects of this situation bore out in June as domestic spot PP prices slid 7 cents in the first half of the month to 61 cents. Propylene prices also dropped in June, but only by 3 cents. The spread between propylene and HoPP shrank to 9 cents. Propylene continued to ease to 50 cents in June and was steady for several weeks at this price, inspiring speculation that the market had found a bottom. Domestic PP orders began to increase in June and prices began to tick slightly higher, from 61 cents to 61.5 cents by the end of the month. This trend continued in July, as propylene dipped below 50 cents while PP edged up to 63 cents. Propylene stayed around 47 cents for the first three weeks of the month and domestic PP demand remained strong, pushing spot prices to 64 cents. At the end of August, propylene jumped back up to the 50-cent level and appeared to be inching higher towards the month's end. Spot PP prices have remained at 64 cents, and activity was growing thin. PP contract demand could be the key indicator for the September market, as sellers have relied on strong contract volumes for the past several months to keep competitive pressure off of spot market offers. The past few years for propylene at this time of year have seen record high prices followed by steep and quick drops, creating a high-priced inventory situation for monomer and resin alike. That scenario does not seem to be playing out this year, but as with ethylene, supply concerns and storm threats could change that in September.

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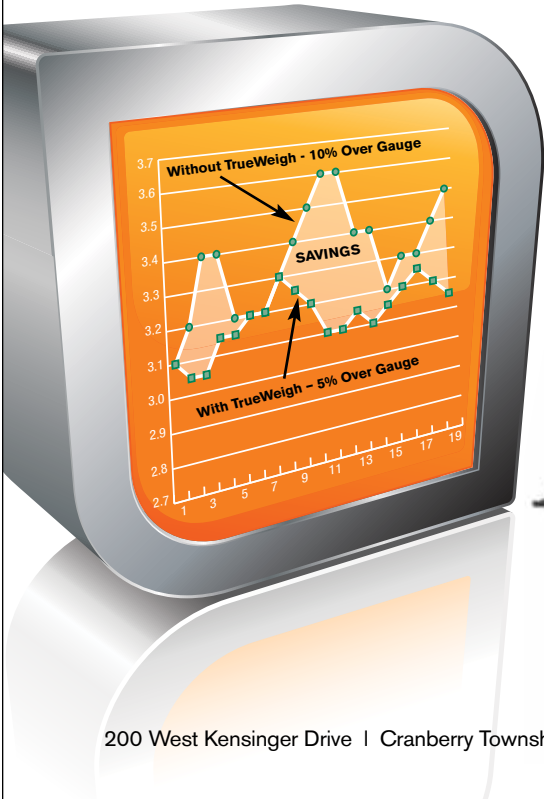
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HEISE

INDUSTRIES INC

Annual Business Meeting

Meeting was held at the Orange County Convention Center – Orlando, Florida

□ Welcome – Ron Puvak

BOD Members Present: Ron Puvak, Ben Lopez, John Rathman, Lew Ferguson, Gerry Hobson, Jeff Light, Henry Vogel, Piaras de Cléir, Mark Heitker

Guests: Jon Meckley, Don Peters, Bill Sellinger

- Motion to open the meeting 4:45 pm– Lew Ferguson, Jeff Light 2nd. approved.
- The financial status of the Blow Molding Division is in good condition.

□ Chairman's Report – Ben Lopez

- The division has received both the SPE Pinnacle and the Communications awards.
- Lew Ferguson and Mark Barger have received Honored Service Membership status.
- The Best Speaker Award for the ANTEC Blow Molding Session went to Mark Barger.

□ No new Business

- Motion to close the meeting 4:50 pm – Gerry Hobson, Piaras de Cléir 2nd. approved.



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WORLD QUALITY

Board of Director's Meeting March 31, 2012

BOD Meeting held at Ocean Prime Rialto – Orlando, Florida

AI = ACTION ITEM

□ Call to order

BOD Members present: Mark Barger, Ron Puvak, Ben Lopez, Terry Glass, John Rathman, Lew Ferguson, Geoff Ward, Gerry Hobson, Jamie Pace, Jeff Light

BOD Members Absent: Scott Steele, Surendra Agarwal, Bob Jackson, Babli Kapur, George Hurden Piaras de Cléir, Henry Vogel, Randy Moynihan, Mark Heitker, Dale Klaus, Cal Becker, Mike Hall, Gary Carr

Guests: Jon Meckley, Trisha McKnight, Margie Weiner

□ Welcome – Ben Lopez

Reviewed our SPE D30 Division Goals for 2012

- Research and structure education opportunities for the blow molding industry
- Promote these education opportunities to our industry and students
- Support these education programs technically and financially
- Organize a ANTEC technical conference including an interactive careers session
- Organize a ABC conference with presentations on the latest technology and trends, coupled with training sessions
- Find ways to promote, increase and retain membership
 - See link <http://www.4spe.org/membership-rewards>
 - SPE National promotion at our ABC

Continued on next page



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- Gain industry interest to participate and support our program through call for papers, technical support and sponsorship
- Update our Policy Manual with responsibilities (form a temp review committee)
- Make our financial planning format on QuickBooks
- Gather ideas for the 2020 SPE Adapt Program

Terry Glass reported the Division's funds requested from the soon to be dissolved SPE Investment Plan have not yet been received.

Jamie Pace will replace Jeff Light as Marketing Committee Co-Chair

The Division has received the 2012 SPE Gold Pinnacle and Communications Leadership awards, and a certificate of appreciation for a sponsorship of the Student Activities at the ANTEC.

❑ **Review of last Meeting's Minutes**

Motion to approve minutes with no revisions – Ron Puvak, John Rathman 2nd. approved.

❑ **Proposal to revise the Policy Manual**

- Submitted the following for BOD consideration and tabled until next BOD meeting.

From Section B page 6

5. ELECTION OF DIRECTORS

As the close of each fiscal year, the terms of one-third of the total number of elected Directors shall expire. Directors are elected each year. The Council Representative is elected every three years. (see Division Procedures Manual). They shall be elected by secret mail ballot to the Division membership as provided by the Bylaws with at least two candidates, "recommended but not required if insufficient candidates are nominated", for each position to be filled.

Continued on next page

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Preceding paragraph to be updated with the following proposed revision “recommended but not required if insufficient candidates are nominated.”

□ **State of the Board**

Scott Steele approved as new Blow Molding Division Councilor

AI - Scott Steele – Send invitations to new potential board members – Sharyl Reid, George Rolan, Dave Calderone, Zach Magnusson, John Sugden, Justin Schmader, and Christopher Grlica.

AI - Scott Steele – Contact Tricia McKnight to set up an electronic election for a new Councilor.

AI - Gerry Hobson – Contact Mohammad Usman at Ford to determine interest in joining the BOD.

□ **Technical Program Committee (TPC) – Ron Puvak**

Reviewed ABC 2012 speaker matrix.

AI - Ron Puvak – Check with Heinz and Bayer for potential ABC keynote speaker. (Heinz confirmed 3/26/12)

AI - Jamie Pace – Check with Plastipak for potential ABC keynote speaker.

Terry reported the deposit for the Gateway Clipper cruise at the ABC 2012 has been sent as well as deposit for ABC 2013 @ Crowne Plaza Ravinia in Atlanta.

AI - Jamie Pace - ABC 2013 Shari Axelrod is new contact for Southern Section, obtain her contact info from Trisha

Continued on next page



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□ **Sponsorship subcommittee report – Jeff Light**

AI - All BOD – Send any ABC sponsorship ideas to Deidre
Four new sponsorships since the winter meeting (\$5500)
\$46,900 collected so far for ABC 2012 sponsorships

□ **Treasurers report – Terry Glass**

Discussion on potentially adding funds to the budget for travel and a study involving Bob Delong.
The Manning & Napier portion of the Grant Fund account to be moved from the general budget (Operating Fund) account to the Disbursement Fund account. Amount is approximately 60k.
The surplus funds from the excess of last fiscal year's prudent reserve in the Operating Fund have been transferred to the Manning & Napier portion of the Grant Fund.
Banking issues are delaying Quicken conversion due to documentation

□ **Councilors report review – Mark Barger**

Council update initial draft sent.

AI - Mark Barger – Send final version to BOD.

- Motion to approve the draft Councilor's report by Jeff Light, 2nd by Jamie Pace – approved

□ **Education Report – Geoff Ward**

No new Continuing Education grants.

Student Design Contest – Mark Barger and Jon Meckley to handle submissions.

Geoff had a conference call with Mark Barger and Randy Moynihan to discuss ongoing information collection and potentially more site surveys for training sites.

Geoff is working with others to formalize a scholarship sponsor program.

Continued on next page



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- **Awards sub committee report – John Rathman**
 - Working on obtaining paperwork for LTA award for Don Graham.
 - John to help Ben with our HSM and Fellow nominations.
 - Tricia to send the HSM recording point system to Ben.
 - **Marketing Committee**
 - Newsletter – Ron Puvak
 - AI - Mark Heitker**– Send winter meeting minutes to Ron
 - AI - Jeff Light** – Write an olefins pricing article
 - Website -
 - Ron is working with Deidre, Dave Cleveland, Babli, and Alex Weber to update the website content
 - **Membership – Lew Ferguson**
 - Division membership is up 10 since the Winter BOD meeting to 689.
 - He has received the suspended D30 list from national and it will be used to solicit renewals and ABC conference attendees.
 - **New Business**
 - Discussed new Board Emeritus position that was approved at the last BOD meeting.
 - Motion to reapprove this new position by Ron Puvak, 2nd by Mark Barger - approved
 - AI - Mark Heitker** – Add new BOD Emeritus position to the Division’s Policy Manual
 - AI - Terry Glass** – Send the revised 2012-2013 budget out to the BOD.
 - The PlastiVan is now owned by and reports to SPE.
 - ANTEC 2013 in Cincinnati April 22-24, 2013, call for papers will occur soon.
 - Reviewed status of action items from the last BOD meeting.
 - ADJOURNMENT:**
 - Motion to adjourn Geoff Ward, 2nd by Ron Puvak – Approved
-



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