



# SOCIETY OF PLASTICS ENGINEERS

## BLOW MOLDING DIVISION

Volume 2013 Edition 3

### 2013 Lifetime Achievement Award Recipient

#### Carl D. Ring

Carl Ring is Chairman of Ring Container Technologies and Rapac LLC.

Mr. Ring joined Ring Can Corporation in 1980 to help it diversify from a metal can manufacturing base to include plastic blow molded containers for the food service and chemical industries. That startup company grew and evolved over the past 33 years into Ring Container Technologies which now operates eighteen highly automated, food-grade factories in the US, Canada, and the UK. With its 2012 revenue of \$300M it has joined the ranks of the largest blow molders in the nation.

Rapac began operating in 1985 to manufacture gassed polystyrene beads for the packaging industry. Over the years Rapac also grew and now manufactures both gassed and non-gassed beads for several specialty markets including the packaging, molding, and drainage markets. Rapac is now the nation's largest manufacturer of specialty PS beads and has also become one of the nation's largest recyclers of PS.

Mr. Ring earned a Bachelor's degree in Mechanical Engineering from the Georgia Institute of Technology in 1978, and joined E. I. DuPont before moving to Ring Can in 1980. Mr. Ring has served in the positions of Engineer, Plant Manager, V.P. Engineering, V.P. Operations, President, C.E.O., and then Chairman in 1995. He also has been awarded numerous United States patents pertaining to machine design, container design, and bead design.

Mr. Ring is on the Board of Advisors for The Georgia Institute of Technology, the Board of Advisors for the Georgia Tech School of Mechanical Engineering, the Board of Directors of the Memphis Economic Club, and actively supports the University Of Memphis Herff College Of Engineering and LeBonheur Children's Hospital.

Mr. Ring is married to Trish Ring Ph.D., and together they have four children.



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## Chairperson's Message



Dear SPE Members, Colleagues, and Friends,

As many of you know, the Blow Molding Division is hard at work organizing our own Annual Blow Molding Conference (ABC). ABC 2013 will be our 29<sup>th</sup> consecutive year hosting our signature forum dedicated exclusively to the blow molding process and will be held October 8th and 9th at the Crowne Plaza Atlanta Perimeter at Ravinia. Over the years the event has grown in size and stature and is considered a "must attend" conference by many within the industry. Along with each Director, we welcome and encourage your attendance, sponsorship and participation and request that you check our website, [www.blowmoldingdivision.org](http://www.blowmoldingdivision.org), as we work toward finalizing the program.

As the conference program highlights (included within this newsletter), over the course of the two full-day curriculum, this year's event will again bring together true industry experts generously willing to share their knowledge regarding the most current advancements in process control, equipment, materials and their pricing futures,, governmental regulation, recycling, colors & additives, etc. Presenters will be discussing information and development's representing organizations such as Ford Motor Company, Uniloy-Millicron, IHS Chemical, Amcor, ACC, PlasticsNews, Kautex, KW Recycling, Plastics Technologies, and Coca-Cola.

In addition to the general and break-out sessions to which many have been accustomed to, the Board is pleased to inform that due to popular demand, the always engaging and exciting "Plastic 101s" will again be conducted covering topics integral to the continued successful operations of all blow molding companies.

ABC 2013 truly presents the marquee opportunity to network with others that can also speak to how the blow molding process impacts our lives so dramatically by providing innovations and solutions across so many applications. Please visit our site to register.

I hope you'll join us and share in the opportunity to lead, educate, inform and acknowledge all the great things about this unique industry!

Very much looking forward to seeing you in Atlanta!

Best Regards,

*Jeffrey Light*

Jeffrey Light, Chairman  
SPE Blow Molding Division



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# ABC 2013 ATLANTA

29<sup>th</sup> Annual Blow Molding Conference  
October 8<sup>th</sup> & 9<sup>th</sup>, 2013  
Crowne Plaza Atlanta Perimeter at Ravinia

## THE GLOBAL INTERSECTION OF BLOW MOLDING

The Crowne Plaza Atlanta Perimeter at Ravinia will be the site for the 2013 Annual Blow Molding Conference. This premier annual event will feature industry speakers presenting segments in both packaging and industrial applications. From resin developments to machinery innovations to automation, design and safety, no topic will be missed.

### Program Will Include:

#### KEYNOTES BY:

Governor Nathan Deal, Office of the Governor –  
**State of Georgia - Welcome to Georgia**

Ira Boots, CEO, Cincinnati Milacron –  
**State of the Industry—Looking Forward with a Global Perspective**

#### FEATURED PRESENTATIONS OFFERED:

Joel Morales, Director of Polyolefins, IHS Chemical –  
**Blow Molding Resin Markets and the Impact of Shale Gas**

Mikell Schultheis, Principal Engineer, The Coca-Cola Company –  
**Renewable Materials: A Brand Owner's Perspective**

Bill Bregar, Senior Staff Reporter, Plastics News –  
**Innovations and Preview of K Show**

Dr. Mohammad Usman, Ahmad Syed, Ford Motor Company –  
**Methodology Development for Blow Molded Fuel Tank Shrinkage and Warpage Predictions**

Jeffrey Keithline, Partner, Keller and Heckman, LLC –  
**Establishing Suitable Regulatory Status of Food-Contact Materials**

Rudy Underwood, Senior Director Gov't. Affairs, American Chemistry Council –  
**Legislative Issues Driving Change**

Laurie Goetz, Director of Product Development, Amcor Rigid Plastics –  
**The Future of Design for Performance Based Packages**

Scott Pugh, Business Unit Manager,  
Sand Filtering Manufacturing, Hayward Industries –  
**Blow Molding Color Change - A Processor's Experience**

James Taylor, Business Development Manager, Printpack, Inc. –  
**Full Body Shrink Labels—Designing for Recyclability on PET Rigid**

Pippin Mader, P.E., California Air Resources Board (CARB) –  
**The Next Regulatory Requirements on Fuel Containment Systems**

Michael Pearsall, Director of Food Safety Business Development, UL DQS Inc. –  
**Choosing a Global Food Safety Initiative Standard: Which One is Right for Your Business?**

AND many more.....check out our web site.

### Plastics 101 Mini-Sessions

These comprehensive mini-sessions feature instruction focusing on the technology, processes, troubleshooting and methodologies of blow molding.

### Sponsorship & Exhibit Opportunities

Sponsorships include participation in exhibits, complimentary registrations, inclusion in all pre-conference promotions and three e-newsletters. Other sponsorship opportunities are available.

For more information about these opportunities, please contact our Conference Coordinator, Deirdre Turner, at: [dcturner@earthlink.net](mailto:dcturner@earthlink.net)

### Conference Venue

Crowne Plaza Atlanta Perimeter at Ravinia  
4355 Ashford Dunwoody Road, Atlanta, GA 30346



# BLOW MOLDING DIVISION

presents the

29<sup>th</sup> Annual Blow Molding Conference

October 8<sup>th</sup> & 9<sup>th</sup>, 2013

Crowne Plaza Atlanta Perimeter at Ravinia

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[Registration before October 8th, 2013](#)

Registration Fee: SPE Member \$475.00

Non-Member \$595.00 (This fee includes a 1 year SPE Membership)

Fee includes all materials, Breakfast, Lunches and Dinner (space limited)

**easy registration online at:**

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**Fees for Students, Press and other registration questions please contact: Linda Flowers at 419-867-5424**

## Message from the Past Chair ●●●●●

Dear SPE Members, Associates and Friends,

I would like to thank everyone for their participation and support during our 2013 ANTEC activities.

The ANTEC was well attended, approximately 1700 participants and a hall full of exhibitors. This conference also entailed presentations and awards ceremonies. One of my ANTEC highlights is meeting with the students from around the globe at our student's awards luncheon and in reviewing their poster presentations. This year we hosted approximately 600 students worldwide.

During the Division's Awards presentation our division was presented the Pinnacle and Communication Leadership Awards along with the recognition of two board members as SPE Honor Service Recipients 2013 – Mark Heitker and Jonathan A. Meckley. I am very proud of our board's teamwork and dedication which enabled us to fulfill the requirements for these awards and for the SPE National recognition.

As the year changes for our division so does the chairman's position as well as other chair positions. It was a great privilege for me to lead the Blow Molding Division (D30) and to work with this very active team of professional individuals. I would like to thank them, their corporate sponsors and the industry for your support.

Jeff Light is the new Blow Molding Division Chairman.

I would like to welcome him into this position and look forward to our continued work together.

Sincerely,

Ben Lopez  
SPE Blow Molding Division (D30)  
Past Chairman 2013

*Looking forward to seeing  
you all at our upcoming  
ABC2013 in Atlanta this fall!*

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## ABC 2013 Sponsor Highlights

**R**iverdale Global, a new company formed to provide plastics processors in the U.S. and overseas with highly localized service for liquid colors, promises to completely eliminate the handling problems associated with liquids, supplying high-quality, consistent colors regardless of location and providing full access to the cost advantages of liquids over pellet concentrate or masterbatch. Riverdale Global is establishing a network of satellite operations in the U.S. and abroad to make readily available its technology for producing, delivering, metering, and replenishing liquid colors. Our technologies enhance the quality and repeatability of liquid color, increase its cost advantages over concentrate, free the customer from every complication of handling liquids, and reduce their environmental impact. Riverdale Global's new technology includes the Pump-in-a-Drum system, the Single Pigment Dispersion (SPD) system, the new gravimetric metering device, and Satellite Operations for local service and support. Riverdale Global combines the formulating expertise of Riverdale Color, which has supplied liquid color for more than 45 years, with the equipment know-how of Maguire Products, which got its start as a company when it introduced the first successful pump for liquid colors.



**E**urotherm Plastics Group presented awards for "Outstanding Recognition and Achievement" last June to "North American Rep of the Year" Mike Cindia of MCSI and "US VAR of the Year" to Ira Martin of Instrument & Control Systems. In FT 2013, our achievements were a result of the total team effort of our Plastics Group, including representatives, VARs, territory sales managers, inside sales support, engineering and service, and the outstanding dedication of our customers. "We always strive for a total team effort in obtaining our goals," commented Steve Schroeder, Business Development Manager, Plastics, "but there are always a few outstanding achievements that warrant mention." Schroeder personally presented the plaques to the companies recognizing their achievements in sales of MACO Control Systems and Products in the plastics industry. Visit [www.eurotherm.com/plastics](http://www.eurotherm.com/plastics) for more information.



## ABC 2013 Sponsor Highlights

**W**ittmann Battenfeld GmbH is investing \$2.4 million on a 20,200 square foot expansion in Torrington, Connecticut as the Austrian machinery maker needs more space to house larger tonnage injection molding machines and put together turnkey systems of presses, robots and auxiliaries at its main U.S. operation. One big advantage of the expansion will be the improved ability to showcase the full-service aspect of Wittmann Battenfeld in the United States. Now Torrington will be big enough to assemble complete packages of larger machines, auxiliary equipment and robots with end-of-arm tooling. "We're integrating the whole turnkey work cell. We have a huge installed customer base from Fortune 100 companies on up," stated David Preusse, President of Wittmann Battenfeld, Inc. "Companies like the idea of single-sourcing the whole work cell. So we can imagine in the future one of these molding machines being set up with the robot and the downstream automation as a turnkey cell that they could debug. Run it off and then we drop it at the customer's plant." The company's auxiliary equipment includes material handling systems, dryers, blenders, granulators and mold temperature controllers. Customers can do mold trials in Torrington as well. Wittmann Battenfeld also has more room to switch out screws based on customer requests. Preusse said the company is also looking to add employees as it expands its offerings of injection press sizes and sells more turnkey systems.



**R**&D/Leverage Europe's successful introduction of a precision-engraved 500 ml personal care product bottle in Russia - and, soon, in Ukraine and Belarus - represents the company's ability to combine technical excellence in plastics packaging with its highly-nuanced knowledge of the eastern European marketplace. Both the supplier, and its Belarus-based customer, MITRA



Ltd., agree that their latest collaboration is considered "the most successful yet," according to MITRA's Commercial Director, Yuri Shishlo. "As usual, R&D /Leverage Europe demonstrated perfect customer service and an innovative approach in achieving the best results," Shishlo said. "Their quick response and ability to help us with difficult technical challenges are just two of the positive moments in our collaboration. Success was not possible without their qualified staff and technical abilities. Eastern European expertise has long been a strong point for R&D/Leverage Europe, according to Managing Director Alan Tolley. "Along with ongoing language proficiency and nuanced understanding of the local market culture, we've added significant amounts of new equipment and expanded our manufacturing capacity. As a result of our dual-pronged approach, we continue to set sales records and win new assignments throughout the region." R&D/Leverage Europe is recognized

as one of Europe's leading suppliers of tooling solutions for Two Stage Stretch Blow Moulds, Preform Tooling Conversions, and Injection Blow Moulds. R&D/Leverage USA, headquartered in Missouri, services the food and beverage, home and personal care, and healthcare industries offering both Structural brand development capabilities and mold manufacturing capabilities.





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# NEWS BRIEF

SOCIETY OF PLASTICS ENGINEERS

**Composites (D39)**  
**August 23, 2013**

## ANTEC® 2014

**April 28–30, 2014**  
**Las Vegas, Nevada, USA**

### Composites Division Call for Papers

#### Topics

Thermoplastic Composites  
Thermosetting Composites  
Nanocomposites  
Joining of Composites  
Long / Short Fiber Composites  
Properties / Characterization  
Continuous Fiber Composites  
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#### **Paper Deadline: October 25, 2013 – 5 p.m. Eastern**

Authors must submit a Paper with Abstract (saved as .pdf) by the Paper Deadline in ANTEC format. Further information may be found at [www.antec.ws](http://www.antec.ws).

Papers will be reviewed by the Technical Program Committee and Authors notified of status or required revisions by November 22, 2013.

#### **Abstract and Paper Deadline: October 25, 2013 – 5pm EDT**

Two submission formats: Technical; Commercial

Two presentation styles: Podium; Poster

Submit your abstract and manuscript via website:

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#### **Questions? Please contact:**

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## BLOW MOLDING DIVISION LAUNCHES TECHNICIAN TRAINING

Huntsville, AL, June, 2013—The SPE Blow Molding Division in collaboration with Calhoun College conducted an inaugural, two-day training program for blow molding technicians. Hosted at the headquarters of StrataForm, a company specializing in custom plastic blow mold and plastics mold/tooling design and fabrication, the training module included a comprehensive overview of accumulator head molding covering practical applications, cycle times, safety and troubleshooting, organizational structuring, and more.



The SPE training program was led by plastics industry experts Bob DeLong and David Calderone who between them have over 90 years in the industry. DeLong, Vice President of Blasformen Consulting in Kingwood, TX, is an SPE Lifetime Achievement Awards Recipient and Blow Molding Division Board Emeritus member. Calderone, also a Division Board Member, is President of Alternative 4 Plastics LLC and consultant to the plastics industry with expertise in operations management.



Calhoun College, the largest two-year institution in The Alabama Community College System, is the region's leader in education and workforce development and provides technical programs such as electronics, robotics and CNC machining. With Alabama's rapidly growing automotive industry, the supply chain is growing and the need for skilled technicians, particularly in the areas of plastics processing and applications, makes the addition of this training a perfect fit. "There is an urgent need for skilled technicians within our industry," stated Jeff Light, Manager, Marketing and Senior Accounts at A-ToP Polymers, Inc. and current Blow Molding Division Chair. "We hope to offer this training to other educational institutions interested in our professions and lead the way in providing them with the tools to train future plastics professionals."

The mission of the Blow Molding Division of the Society of Plastics Engineers (SPE) is to widely spread technical information relevant to the blow molding industry to SPE members, educational institutions, and to other technical societies associated with the plastics industry.

For more information contact:  
Gary Carr, SPE Blow Molding Division - Marketing Chairman  
Bekum America Corporation  
Ph: 517-655-7135  
Email: [gcarr@bekumamerica.com](mailto:gcarr@bekumamerica.com)

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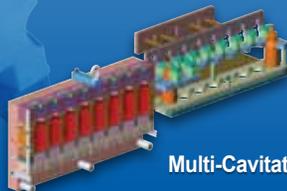
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## SPOT MONOMER PRICES FIND COMFORT ZONE; RESINS SEE SMALL GAINS

*By David Barry and Kathy Hall / Editors, PetroChem Wire*

With the exception of a surprising short-term spike in early June, the past several months have been stable ones for the US ethylene market. The explosion at the Williams olefins site in Geismar, Louisiana on June 13 created enough supply uncertainty to pop spot prices from 53 cents per pound to 59 cents per pound in a single day. After several days, however, the reality of relatively tepid demand set in and prices drifted back to 54-55 cpp. Prices continued to drift lower in July, reaching 53.25 cpp by month's end. August has seen a mild rebound and by month's end, prices were back at 55 cpp.

To call demand tepid in June was more of a reflection of downstream plant issues rather than weakness at the consumer level. Force majeure declarations from Formosa and Chevron Phillips muted demand from HDPE, and a number of EO/EG units were offline in June as well. Despite the Williams situation, ethylene inventories built.

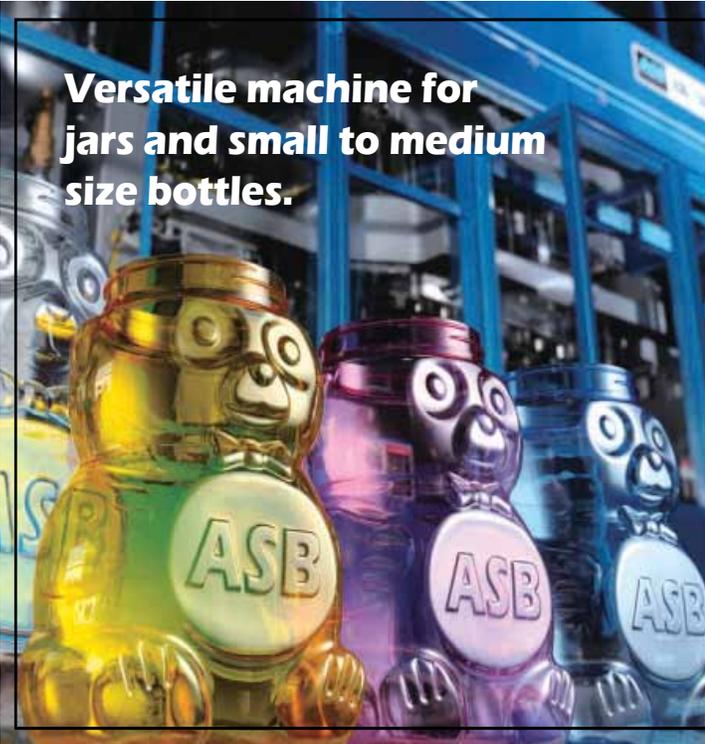
Still, the ensuing sell-off was mild and the market appeared to find a floor at 53 cpp. With ethane-based production costs around 10 cents per pound, margins remained very healthy for ethylene producers.

The polyethylene market entered June with 4 cpp price increases on the table, but only a 2 cpp increase for HDPE was able to stick in the end. The 2 cpp increase was supported by a large draw from HDPE inventories during May, and it marked an unexpected deviation from the typical 2Q price trend in recent years. Average HDPE BM spot railcar prices in Houston fell 13.8 cpp (22%) between April and June 2012, but they were up 1.4 cpp (2.4%) during the same period this year. The unusual pattern of the 2013 PE market could also be seen in the general lack of spot availability during June, July and August. This was a common theme of market discussions, especially in the secondary market. With no abundance of offgrade or generic prime material, spot prices in the secondary market steadily ramped up through the summer. Offgrade HDPE fractional melt cars ended May priced around 60-62 cpp for railcar direct resale. Such material became increasingly difficult to find in August, and prices averaged 5 cpp higher than May at 65-67 cpp. Over the same time period, generic prime HDPE blow mold resale prices increased by a smaller amount, from 66 cpp in May to 69 cpp in August.

The limited availability of spot material could be read as a sign of momentum for PE producers, who reset their price increase nominations to 5 cpp for September. However, the spot price increases have depressed export demand in July and August – packing warehouses in Houston were unusually quiet during the second half of July and early August. Also, domestic demand may cool off significantly in September if the trend of the past few years holds true. In August, the market began to value September ethylene at a premium and it has consistently traded about a penny over August for much of the month, largely based on weather-related speculation.

*continued on page 17*

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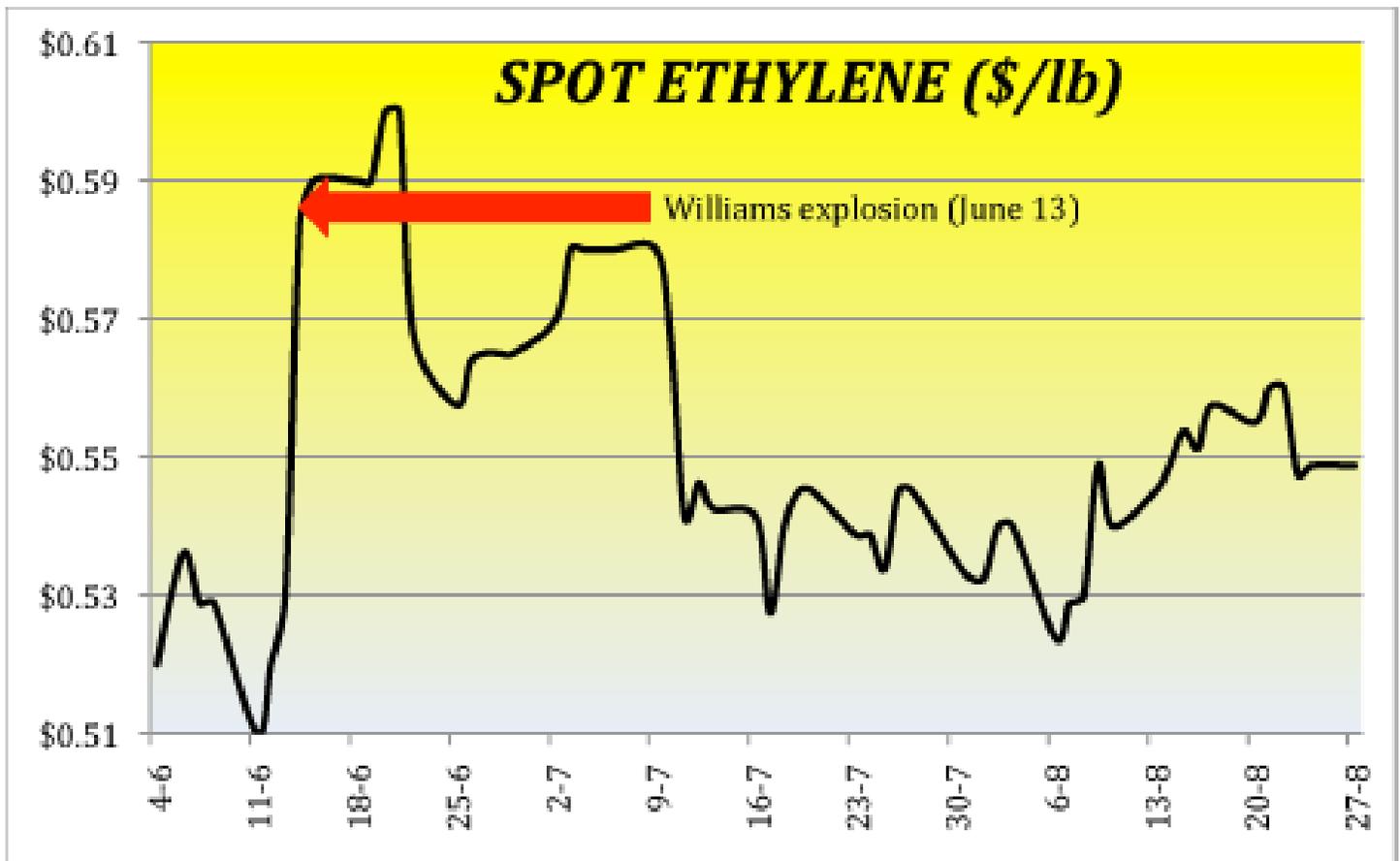
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## SPOT MONOMER PRICES FIND COMFORT ZONE; RESINS SEE SMALL GAINS

By David Barry and Kathy Hall / Editors, PetroChem Wire

With the exception of a surprising short-term spike in early June, the past several months have been stable ones for the US ethylene market. The explosion at the Williams olefins site in Geismar, Louisiana on June 13 created enough supply uncertainty to pop spot prices from 53 cents per pound to 59 cents per pound in a single day. After several days, however, the reality of relatively tepid demand set in and prices drifted back to 54-55 cpp. Prices continued to drift lower in July, reaching 53.25 cpp by month's end. August has seen a mild rebound and by month's end, prices were back at 55 cpp.

To call demand tepid in June was more of a reflection of downstream plant issues rather than weakness at the consumer level. Force majeure declarations from Formosa and Chevron Phillips muted demand from HDPE, and a number of EO/EG units were offline in June as well. Despite the Williams situation, ethylene inventories built.

Still, the ensuing sell-off was mild and the market appeared to find a floor at 53 cpp. With ethane-based production costs around 10 cents per pound, margins remained very healthy for ethylene

continued on page 19

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# Grant Program

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.

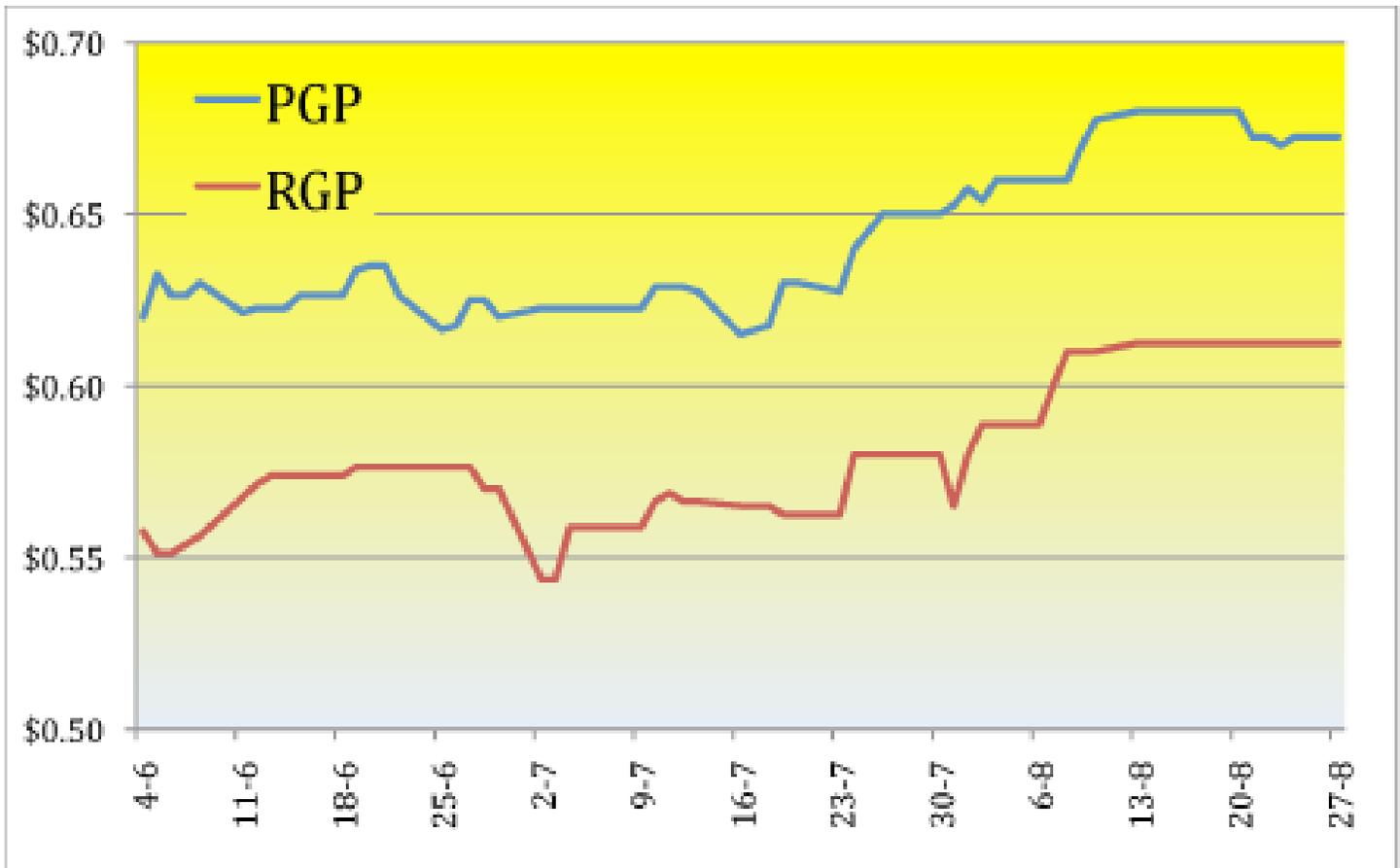
Up to \$500 per person is available to attend an SPE Blow Molding Conference, an SPE Seminar in Blow Molding, or other program applicable to blow molding.

#### 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@aipcompany.com](mailto:geoff.ward@aipcompany.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.



PP demand has been steady this year, supported in part by a resurgent automotive sector. A handful of production issues this summer have caused supply to be extremely tight. Two suppliers declared force majeure in June, and other producers have implemented sales controls and shed orders because of low inventories. The lack of spot availability has created a scramble for supply, which has led to the phenomenon of offgrade PP railcars trading in the secondary market at or above prime prices in some cases.

Also, the spread has widened between spot prime PP and contract monomer. During May, generic prime HoPP injection resale prices averaged around 70 cpp delivered, only 8 or 9 cpp above monomer. By late-August, generic prime HoPP injection resale prices were in the low-mid 80s cpp, averaging 11-12 cpp above monomer contract. Offgrade random clarified copolymer was fetching prices around 86-88 cpp in the railcar direct resale market, just shy of prime costs.

PP producers are trying to seize the opportunity of this summer's tight PP market to bolster their contract margins. The baseline increase in PGP prices has not made this any easier. Already in August there are signs that PP buyers are throttling back on orders in response to the latest 5 cpp hike in monomer.

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## ABC 2013 Blow Molded Parts Competition Guidelines

1. All submissions must be new to the market within the last two years and made from production tooling.
2. Parts must be able to fit on display table. If you wish to display a part large than 48 inches, please contact Lew Ferguson, parts Competition Chair at [parisonsblowmolding@gmail.com](mailto:parisonsblowmolding@gmail.com) to discuss.
3. Participating companies may submit multiple entries. Each submission must have a completed entry form and picture.
4. Completed entry forms, descriptions and photos must be sent to the Parts Competition Chair by Sept. 25, 2013. Part descriptions should include the criteria as indicated on the entry form. The company's name and contact information should be at the bottom of the description.
5. The Judging Committee may consolidate parts in categories, if fewer than 4 parts are submitted in a category.
6. No electric power connections are provided. If needed, power may be arranged through the hotel by contacting meeting services at 770-395-7700.
7. No business cards, marketing materials, laptop presentations, etc. may accompany the part in the display area. The display is intended to be an exhibit to encourage discussions and technology exchange. No sales or marketing activities in this area will be permitted; however, there are conference sponsor opportunities to do so (visit [www.blowmoldingdivision.org](http://www.blowmoldingdivision.org))
8. All shipments must follow the mailing label format as indicated in Shipping Information on the application.
9. Submitters will be responsible for collecting, unpacking and setting up their parts in the Parts Competition area located outside the ABC 2013 Exhibit Hall. Set-up hours are Mon., Oct. 7<sup>th</sup> from 3:00-7:00 p.m. and Tues., Oct. 9<sup>th</sup> from 8:00 a.m. to Noon. **All displays should be set-up by 12:00 p.m. on Oct. 8<sup>th</sup>.** For more information about shipping and retrieving your parts, contact: Mr. Del Meredith, Crowne Plaza Meetings Director at 770-395-7700.
10. Submitters will be required to pack and prepare their parts for outgoing shipment by 5:00 p.m., Wed., Oct. 9<sup>th</sup> which marks the conclusion of the Blow Molding Conference. The SPE Blow Molding Division is not responsible for any unclaimed parts after ABC 2013 concludes.
11. Submission of an entry permits the Blow Molding Division and the Society of Plastics Engineers to use part information and images in SPE promotions and publications and confirms the submitter has obtained approval to participate in the competition and publicity.
12. The Blow Molding Division winner will be announced at the ABC 2013 luncheon on Wed., Oct. 9<sup>th</sup> at the Crowne Plaza Atlanta Perimeter at Ravinia. The winner will also be entered in the SPE Parts Competition at ANTEC 2014.

### RELEASE OF LIABILITY

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





## ABC 2013 Blow Molded Parts Competition Entry Form

**Entry Deadline: September 25, 2013**

**Shipment Deadline: Oct. 7, 2013**

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

### Product Entry Submission Form

Company Information:

Submitter\*: \_\_\_\_\_

Manufacturer / Blow Molder: \_\_\_\_\_

Designer / Other Contributors: \_\_\_\_\_

Mold Maker / Toolmaker: \_\_\_\_\_

Material Supplier / Resin Type: \_\_\_\_\_

Address\*: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Postal Code: \_\_\_\_\_ Country: \_\_\_\_\_

Name of Representative\*: \_\_\_\_\_

Telephone\*: \_\_\_\_\_ Mobile Phone\*: \_\_\_\_\_ Fax\*: \_\_\_\_\_

Email\*: \_\_\_\_\_

Submitter signature and Release of Liability\*: \_\_\_\_\_ Date: \_\_\_\_\_

**Product Category:** please check one

Packaging:  Food  Beverage  Pharmaceutical  Packaging Other

Industrial:  Automotive / Transportation  Consumer Goods  Industrial Other

### Shipping Information:

SPE Blow Mold Conference  
PART COMPETITION  
Crowne Plaza Atlanta Perimeter at Ravinia  
4355 Ashford Dunwoody  
Atlanta, GA 30346  
Contact: Mr. Del Meredith, Meetings Director  
Tel: 770-395-7700

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

### Submission Instructions:

Email the following to [parisonsblowmolding@gmail.com](mailto:parisonsblowmolding@gmail.com)

Completed and signed entry form

- Product image in a jpg format
- Product description

**The image and description should be suitable for publication. To ensure blind judging, company identification should be on the bottom of the description page only. A separate entry form, description and photo will be required for each submission.**

**Contact:** Lew Ferguson, Chair, Blow Molded Parts Competition  
Email: [parisonsblowmolding@gmail.com](mailto:parisonsblowmolding@gmail.com) Tel: 313-506-4637

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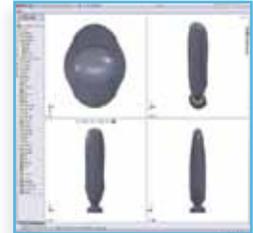
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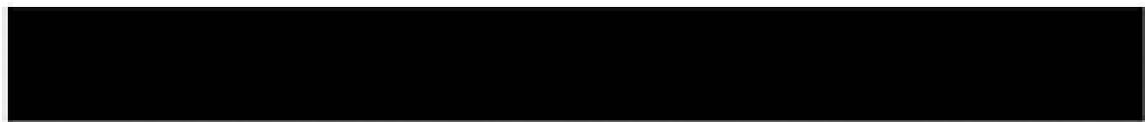


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### Kautex Maschinenbau

contributed \$4000 to our general education fund

### ALPLA

contributed \$4000 to our general education fund

### Graham Engineering Corporation

contributed \$2000 for the Continuing Education Grant Program

### CKS Packaging

contributed \$1000 to our general education fund

### Nissei ASB

contributed \$1000 to our general education fund

### W. Muller

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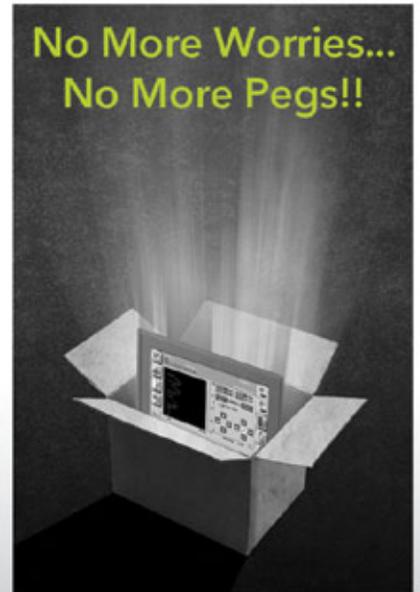
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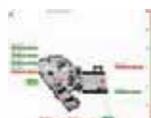


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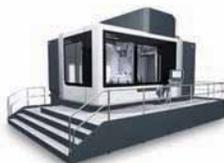
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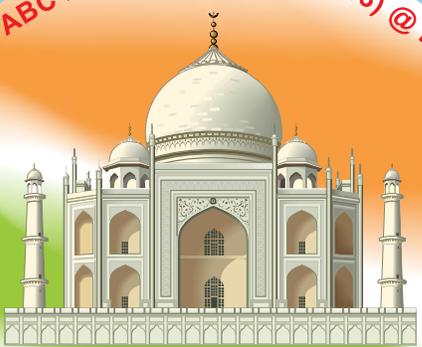
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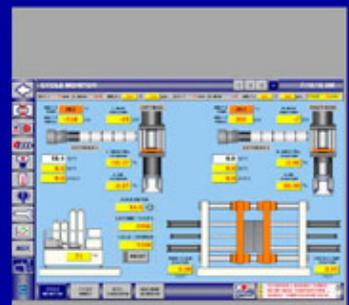


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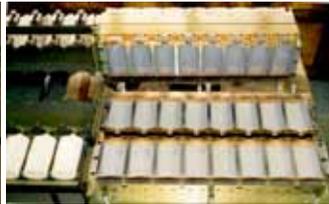
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