

### **OFFICERS**

Chairperson Ben Lopez

Secretary

Mark Heitker

Treasurer **Terry Glass** 

Councilor Mark Barger

Past Chairperson Scott Steele

### COMMITTEE CHAIRPERSONS

Education Geoff Ward

Marketing Gary Carr

TPC Chairperson Surendra Agarwal

ABC Conference Coordinator **Deirdre Turner** 

Become a member Join the SPE Blow Molding Division

## SOCIETY OF PLASTICS ENGINEERS

**BLOW MOLDING DIVISION** 

Volume 2011 Edition 3



### **Chairperson's Message**

Our 27th SPE Annual Blow Molding Conference preparations are well on the way. The attendance and sponsorships have a great outlook. I urge all to attend this event. In this newsletter you will find the program agenda as well as our formal Board Meeting minutes and planning notes. We appreciate



your time from your busy schedules and commitments to attend and support SPE duties and promoting further plastics education to schools, universities and our industry.

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 Chicago, IL on Oct. 12-13, 2011. This event will encompass the lastest 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 molding 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.

We appreciate the industry support to further educate and promote the blow molding industry. 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, coodinator and associates 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 have many tasks to fulfill over the next years, but I am confident that with our board members involvment we can complete them.

With best regards, Benjamin Lopez SPE Blow Molding Division Chairman

### Unique Unrivalled Unparalleled

### That's Uniloy





Today's manufacturer needs more than just machinery; they need productivity, innovation, and efficiency. That's what Uniloy delivers with our comprehensive abilities to supply machinery, turnkey systems, molds and tooling – even help with part design. Learn why Uniloy's been a trusted partner to the plastics industry for five decades.



www.uniloyna.com info@uniloy.com E-mail (517) 424-8756



### SOCIETY OF PLASTICS ENGINEERS, INC.



#### **Blow Molding Division**

May 25, 2011

Mr. Frank G. Hohmann FGH Systems Inc. 10 Prospect Place Denville, NJ 07834

Dear Mr. Hohmann:

We are pleased to announce the Board of Directors of the SPE Blow Molding Division has chosen you as the recipient of the 2011 SPE Blow Molding Division Lifetime Achievement Award.

Lew Ferguson nominated you for this prestigious award. Our BOD reviewed your many accomplishments and contributions to our industry that clearly showed your qualifications for this award.

We plan to present this award at our Annual Blow Molding Conference banquet in Chicago, IL on the evening of Wednesday October 12, 2011. We invite you, your family, and any colleagues to join us for this occasion.

Congratulations and Best Wishes,

Benjamin Lopez

Benjamin Lopez

**Society of Plastics Engineers** 

Blow Molding Division Chairman

cc: Eric Hohmann 

FGH Systems Inc.

Lew Ferguson - SPE Blow Molding Division Fellow of the Society

John Rathman 

SPE Blowmolding Division Awards Chair

### 2011 SPE Blowmolding Divison's

### Lifetime Acheivement Award

### Frank George Hohmann

- After graduation in Mechanical Engineering in Germany, Frank joined Kautex USA and formed a technical service department in Flushing, NY.
- Then in 1964, served 2 year in the US Forces
- After serving in the military, Frank joined Allied Chemical to assist in the development of the Hartig dairy blow molding machine
- In 1968, Frank joined Bekum in Carlstadt, NJ and established a Technical Sales and Service department.



- During this period developed numerous in machine and mold deflashing systems including the method of blowpin calibration for container neck finishing without secondary reaming operation.
- In 1969 received his first patent on "Uniformly Blow Molded Container Neck".
- Frank's contribution to processing of a variety of engineering resins specifically PVC, including vented extruder barrels for shuttle machines, led to numerous custom and in-house blow molding operations.
- In 1976, Frank G. Hohmann formed his own company, FGH SYSTEMS INC, specializing in turnkey operations for the blow molding industry.
- Frank's processing know-how and mold making capability was a key factor in the success of FGH.
- Today FGH has for development and sampling seven (7) blow molding machines, COEX capabilities, and a state of the art mold manufacturing facility.
- Since 1991, FGH is the USA sales and service agency for B&W, Uniloy-Milacron shuttle machines, and OSSBERGER Pressblower injection blow machines.
- In 1995, FGH added the AOKI stretch blow molding machine to its sales product line.
- During the last 35 years of business, FGH has developed methods in sealed handle rupture blow, in mold handle punching, IML concepts, extrusion head design, and in machine trimming systems technologies which led to various patents:
  - 1991 "Internal Vent Tube" patent for syrup containers
  - 1992 "Handle Container with Vent Tube" patent
  - 1994 "Five gallon Nestable Syrup Container" patent
  - 1995 "In Mold Cutting of Drinking Vessel" patent
- Frank's 50 year SPE membership status is Emeritus, however he is still active in the business.

### **James Tyler Bowen**

Tyler is currently a senior in the Plastics Engineering Program at Pittsburg State University and an SPE member since 2008. He has completed two summer internships. This past summer he worked at Charloma Inc. in Cherryvale, KS in all departments including rotational molding, vacuum or



thermoforming, injection molding, blow molding, trim operations, warehouse, and engineering. Tyler gained a variety of experience with and troubleshooting processes, implementing work aids, and creating standard work instructions while in the engineering group. His previous internship was with Rexam at Excelsior Springs, MO as a Lean Manufacturing Intern where he implemented 5S layouts and audits to increase safety and efficiency. While in school, Tyler has been an active student participating in all department activities and served as Secretary and Treasurer for the Pittsburg State University Society of Plastics Engineers Student Chapter. He anticipates graduating spring of 2012 and his career goal is to become a part or mold design engineer in the blow molding industry. Tyler previously attended our Annual Blow Molding Conference in 2009 and will be our guest again at this year's ABC in Chicago.









Please contact us and see what we can do for your business.

©2011 Omya Inc. I 9987 Carver Road, Suite 300 I Cincinnati, OH 45242 I USA Phone: 513 387 4600 I www.omya-na.com I kevin.krummel@omya.com



### **ABC 2011 Sponsor Highlights**

**issei ASB Co.,** the wholly-owned subsidiary of Japan's Nissei ASB Machine Co. Ltd., has achieved a major milestone with the delivery of its 1,000th ASB-70DPH one-step injection stretch-blow molding machine for the production of narrow-neck and wide mouth PET

containers. The versatile and compact machine, originally launched in 1986, was delivered to a new entrant in blow molding . . . Novatex North America, an Ohio-based manufacturer of infant care products. "This achievement is a testament to our strong leadership in technology and manufacturing and our unique ability to adapt to the

market and supply the industry with the most flexible and productive machine on the market," explained Jamie Pace, vice president and general manager of Nissei ASB Co. The current model is highly versatile and compact, capable of producing an extensive range of containers from 50ml (12 cavities) to 7L (one cavity) for food, beverages,

personal-care, household, automotive and industrial markets. The ASB-70DPH has 70 tons of clamping force and is capable of producing up to 4500 containers/hr depending on size and cavitation. ASB manufactures the machine semi-complete at its wholly-owned facility in Mumbai, India (ASB International) and then completes and tests at the corporate headquarters in Komoro, Japan.

opper and Brass Sales, a division of ThyssenKrupp Materials NA, is a North American distributor providing a wide range of nonferrous materials to meet all of blow mold making needs. They have specialty aluminum alloys such as QC-10® and Alumex 99®, two alloys with outstanding exfoliation corrosion resistance to provide longer mold lifethan 7075 and they also offer Max 5®, a 5000 series alloy, and Alca Max®, a 2000 series alloy, up to 41 inches thick for large blow mold needs. They also stock five alloys of MoldMAX® and CDA 180 copper for insert needs. Regardless of the type of blow mold you make, Copper and Brass Sales is ready to provide the materials you need, when and where you need them.

uriga Polymers Inc. is the official name of the Spartanburg, SC PET plant of Indorama Ventures, PCL. Earlier this year, Indorama Ventures acquired the North American PET business of INVISTA S.a.r.l. which included the Spartanburg, SC and Queretaro, MX PET facilities. Together with their two preexisting US Indorama plants (StarPet and AlphaPet), Indorama Ventures (IVL) is now a leading producer of PET in North America and the largest Global PET producer with a customer centric focus operating 14 PET facilities in 11 countries and 4 continents. The Auriga Polymers acquisition brings to Indorama Ventures a platform of innovative new products including the Polyclear® EBM PET resin which complements their customer focus.

**gri-Industrial Plastics Co.** has strengthened its commitment to the non-automotive fuel tank market with the purchase of a new six-layer continuous co-extrusion blow molding machine from Bonn, Germany-based Kautex Maschinenbau GmbH. The new multilayer machine effectively triples Agri-Industrial's fuel tank capability to meet the growing U.S. demand in the lawn & garden, ATV, snowmobile and marine markets. "This investment further reinforces our view that multi-layer technology is the superior approach in meeting today's stringent evaporative emission standards,"

PICK!

said Geoff Ward, Agri-Industrial's engineering manager. "It's a proven technology that is cost competitive, is consistent in meeting emission standards, and has processing and quality

benefits." Agr-Industrial was one of the first non-automotive custom blow molders in the U.S. to adopt multilayer technology as a barrier solution to meet tougher environmental regulations. The company works closely with customers to develop and design highly intricate part geometries which are not only EPA compliant but also functional.

### **ABC 2011 Sponsor Highlights**

**urotherm** provides quality products and solutions that understand plastic applications. For over 40 years Eurotherm has built an international reputation for developing premium quality, 'fit for purpose' products and solutions. The Invensys Eurotherm brands (Eurotherm, MACO, Action Instruments, Barber-Coleman, Chessell, Continental and ERO) have long been recognized for leading the plastics automation market. This has been derived from an

exceptionally high understanding of thousands of industrial applications and process requirements from an extensive range of global solutions we provide is drawn from a comprehensive family of configurable process control, data management and

Eurotherm

scalable automation systems. The "Eurotherm Difference", however, is much more than just superior products and flexible solutions. The care and support of our customers is one of their main priorities and their aim is to work with you, so that you can benefit from the experience that can only come from the world's leader in control and measurement solutions.

illiken is now launching a version of the Millad® NX™ 8000 additive that is slpecifically aimed at extrusion-blow molding, Millad NX 8500E. "With this new innovative grade, transparency in extrusion blow molding is no longer limited to PVC or PET," says



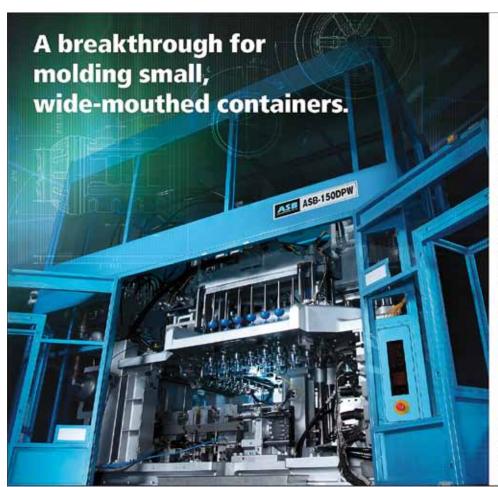
Brian Burkhart, Global Market Manager, Polypropylene Clarifiers, Millad NX8500E will allow processors to optimize surface properties as well as bulk haze. It has been designed specifically to provide a step-change in optical properties with standard Ziegler-Natta PP EBM resins. Bottles producedwith Millad NX 8500E will exhibit excellent gloss and transparency andthey will have a fresher look due to a low yellowness index. As with NX 8000, improvements are less dependent on processing temperatures than with existing clarifiers. Furthermore, no special mold finishes are required to achieve excellent looking bottles.

gr International's OptiCheck™, a vision-based inspection and measurement system, is designed to address the most critical process related issues common to plastic bottle production. Unlike many of the vision products on the market today, the OptiCheck™ system is designed specifically for bottle measurement and inspection applications as well as the process control needs of the plastic container industry. It's cost effective,

easy to operate, yet extremely reliable approach takes into consideration the day-to-day versatility to deal with frequent product change-overs, color changes and limited line space. In addition, the OptiCheck™ can be expanded as needed. Modules are available for high-accuracy on-line finish gauging, seal surface defect management, and now, sidewall and label inspection. The OptCheck™ system is another part of a broad line of process monitoring and measurement

products offered by Agr International for glass, plastic and metal container manufacturers. Agr International, Inc., develops and manufactures a full line of laboratory and on-line testing/quality control devices for containers and similar productions.

control devices for containers and similar products. The Agr headquarters and main manufacturing facility is located in Butler, PA, USA.





### Superb mass production capability and flexibility.

As PET containers continue to gain favor over glass and other plastics, the market demand for small, wide-mouthed containers is increasing. To meet this demand, ASB created the ASB-150DPW.

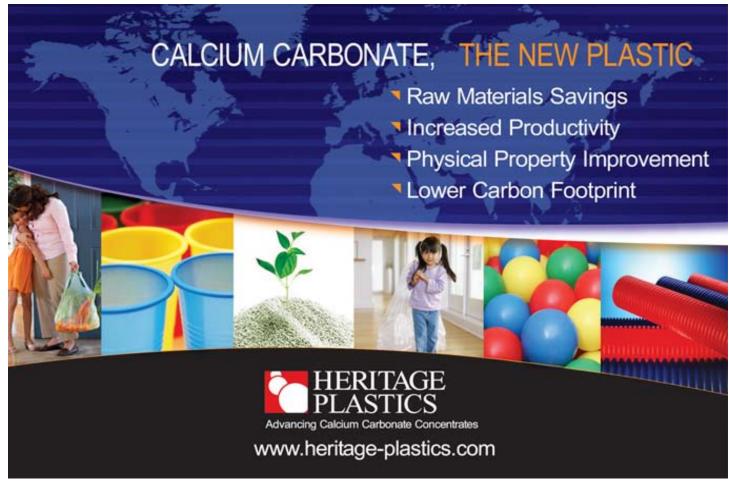
A versatile machine ideally suited for mass production of containers with thread diameters up to 94mm, it optimizes productivity — yet lowers power consumption and increases energy efficiency. With unparalleled quality and output, the ASB-150DPW is meeting the evolving needs of the PET container market.



#### **NISSEI ASB COMPANY**

125 Westlake Parkway Suite 120, Atlanta, Georgia 30336 U.S.A. TBL:1(404):699-7755 FAX:1(404):696-9009 E-Mail:sales@nissel-asbus.com

http://www.nissei-asbus.com/



### **ABC2011 SPONSORSHIP**

### diamond level

A. Schulman, Inc.
Ampacet Corporation
Auriga Polymers Inc. of Indorama
The Dow Chemical Company
Invensys Eurotherm
KW Plastics Recycling
Nissei ASB Company
OMYA
Uniloy North America

### platinum level

Agr International, Inc. Agri Industrial Plastics Company ALPS-Air Logic Power Systems ANSYS, Inc.

A-Top Polymers, Inc.

Automa S.p.A.

**Bekum America Corporation** 

Blowmolding Machinery & Equipment, Inc.

**Clariant Corporation** 

Delta Engineering, Inc.

Eastman Chemical Company

Fidelity Tool & Mold Ltd.

Graham Engineering Corporation

Hawkeye Preferred Tooling Group

Heise Industries

Heritage Plastics

Kautex Machines, Inc.

LG Chem

Materion Brush Performance Alloys

MC Molds

Milliken and Company

Novatec Inc.

Plastics Technologies, Inc.

Proco Machinery Inc.

**R&B Plastics Machinery LLC** 

Rocheleau Tool and Die

Solvay Specialty Polymers, LLC

ThyssenKrupp Materials NA /

Copper & Brass Sales Division

W. Muller USA, Inc.

Wentworth Mold Ltd.

### gold level

S.T. Soffiaggio Technica s.r.i.

# Solutions for polyolefins that optimize your blow molding process

#### Λilliken<sup>•</sup>

### Hyperform® HPN-20E

Nucleating Agent for Polyethylene

- 20-50% Barrier Improvement
- Improved processing
- Cost savings



#### Milliken

### Millad® NX™ 8500E

The New Standard in Clear Polypropylene

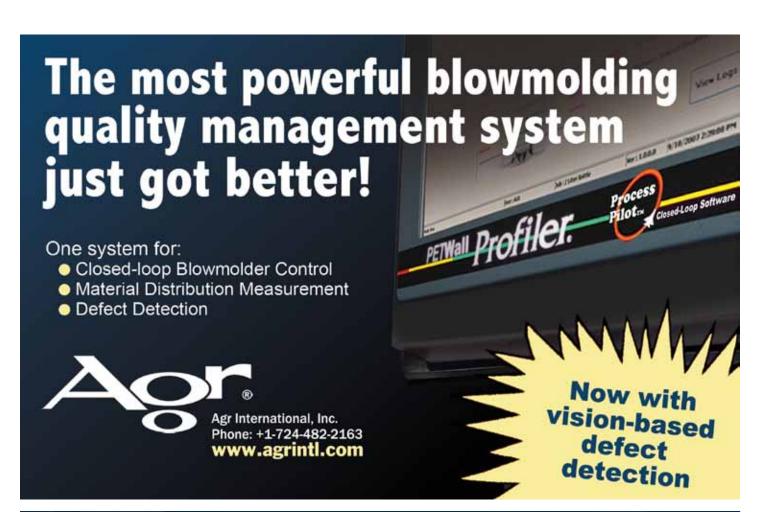
- Substantially better bottle aesthetics
- Less dependent on processing conditions
- Tunable aesthetics





millikenchemical.com

© Copyright 2011 Milliken & Company, All rights reserved, Millad® and Hyperform® are registered trademarks of Milliken & Company, Milliken ™ and NX™ are trademarks of Milliken & Company.





# **HEISE**

### INDUSTRIES INC









### **Your Strategic Partner**

### wentworth mold

best value company



### **Gain The Competitive Advantage**

Patented, Innovative Tooling Solutions **Improve Productivity** Save Energy

**Customized Development Programs** 

Engineering Solutions For Faster Cycles, Energy Efficient Molds

**Technologies that Improve Quality** and Product Performance

All Container Sizes, All Machine Types, All Technologies

### **Get Your Best Value Quote Today**

sales@wentworthmold.com

North America +1 905 574 0010 Western Europe +44 1623 658 416 +48 81 820 5730 Middle East

South America +54 11 4753 1111

Eastern Europe +48 81 820 5730 +44 1623 658 416

www.wentworthmold.com

### **Graham Engineering Corporation**

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

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

### **Eligibility Criteria:**

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

#### How to enroll:

1. Submit a request to the Blow Molding Division at the following address:

**Agri Industrial Plastics** Attn: Geoff Ward 301 N. 2nd St Fairfield, IA 52556 geoff.ward@agriindustrialplastics.com

- 2. Include a letter of support from your company.
- 3. You will be notified of acceptance before the event that you wish to attend.

# Process additives. Functional additives. Resin replacements. Like butter for your popcorn.

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

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

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

For more information – and great tasting popcorn – call Doug Brownfield at 800-888-4267.



future color intelligence

Ampacet Corporation, 660 White Plains Road, Tarrytown, NY 10591-5130 Tel: +1 800 888 4267 Fax: 914 631 7278 www.ampacet.com

### GRAHAM ENGINEERING CORPORATION





Single layer or multilayer. Low, medium, or high volume. Shuttle or Wheel technology. Single machines to turn-key systems. Graham has the equipment and the expertise to help you meet your bottle making needs. We can help you create packaging with consumer appeal and product protection. Graham also supplies a full line of industrial accumulator head machines to meet your industrial molding requirements.





#### Contact

Phil Balin, Regional Sales Manager • (828) 488-7551 • pbalin@grahamengineering.com Scott Howland, Sales Director • (717) 505-4813 • showland@grahamengineering.com



GRAHAM ENGINEERING CORPORATION

1203 Eden Road, York, PA 17402 (717) 848-3755 • www.grahamengineering.com

### Olefin Markets Remain Turbulent

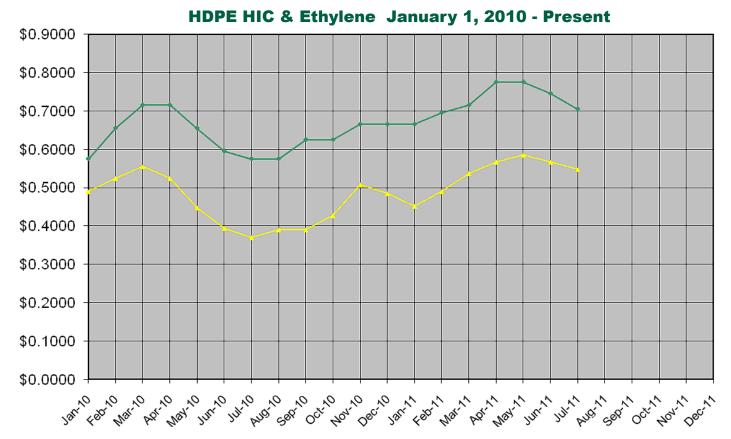
by Jeffrey Light, A-ToP Polymers, Inc.

2011 has been an interesting year for the polyethylene market. Almost every month of this year has started with resin manufacturers seeking increases in base line pricing models. With each effort, each month has seen a different result, however, at the time of this articles creation, the cost for blow molding grades of polyethylene are higher now than when the year began. Increases in these essential polymers was realized by the marketplace in February, March and April with May holding steady and relief seen in both June and July.

In July, resin manufacturers released letters referencing new and "previously announced" increases. Each supplier has stated that effective August first, the "previously announced" five cent increase was to become effective, which was originally requested for earlier in the year, and added "in addition" a six cent increases has been nominated for September. What is concerning to some, is that in addition to the "previously announced" nickel, there was a previously announced six cent increase that was not accepted in the marketplace as well. As a result, are there eleven cents on table or are there seventeen? Presently, in mid-August, no resin manufacturer has rescinded or delayed their intention to increase the price of polyethylene by five cents this month and the additional six cents in September.

Today's market realities are mixed depending on which side of the equation one resides. Spot ethylene presently remains in the low-to-mid sixties while there are five ethylene crackers headed for scheduled maintenance turnarounds beginning September or October. This surely has contributed to the lack of relief expected in this market as well as to fuel the resolve resin manufacturers cite when discussing their reasoning for polymer price increases. Converters on the other hand have expectations that due to the wild swings in the oil and natural gas markets that relief is imminent and that the price for polyethylene should be headed further downward. The market has seen swings in overall polyethylene inventories across all platforms: producer inventory, distribution inventory as well as that of converters. The timing of pre-buying and destocking across each market has become more challenging regardless of if you are purchasing pellets for blow molding or ethylene to make resin. This is one contributing factor as to why the market has reported various grades of material are shipping much later than requested by resin producers.

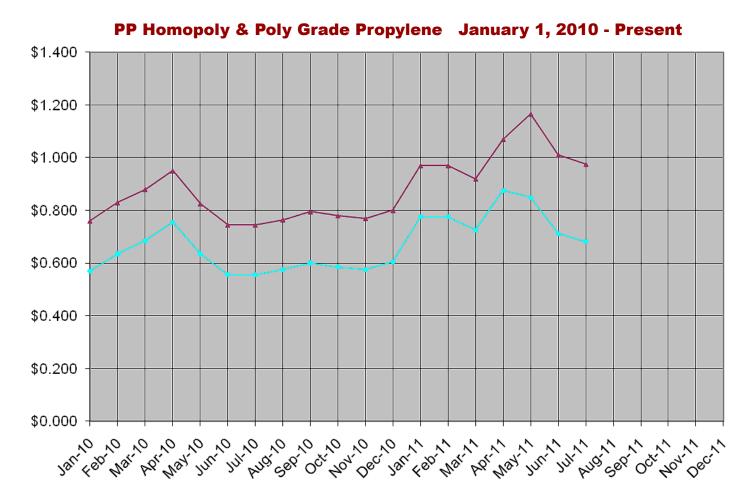
Below is a chart detailing the market movements of contract ethylene and HIC blow molding resin since the inception of 2010.



Much like the polyethylene market, the polypropylene market has seen wild swings throughout 2011. Increases to this polymer market have been more volatile than polyethylene with numerous single month changes in price reflecting double digit swings. Increases were realized by the market in February, April and May with decreases seen in March, June and July. The basis for the wild swings is due to the nature of the propylene monomer market as virtually each month the price of polymer moves with the corresponding change in contract monomer pricing. To that end, the polymer market has been reported as "a make to order world" with firm orders required prior to the month in which the pellets will be manufactured. Converters and resin producers both desire not to get caught with high priced inventory in a falling market similar to their desire to contract for their feedstock when the market appears to rebound upward.

Given the drastic changes in monthly converter and distribution purchases, producers have seen great months in destocking in addition to months in which excessive inventory has been created. If the dramatic swings in crude oil, the main feedstock for propylene monomer continue, then the polypropylene will see more of the same for the foreseeable future. For example, just prior to the resolution to the US debt scenario, the price for WTI crude was in the ninety five to one hundred dollar per barrel range before its collapse toward 80. At the earlier point in time, the expectation for August polypropylene was that it could increase by roughly four cents per pound. Since that time the market has seen some relief or easing as some resin manufacturers ultimately agreed to transact at plus two or even more recently flat. Naturally, converters are seeking a reduction of July baseline while some suppliers are now enthused to hold the line. Currently, the spot market for near term polymer grade monomer has been hovering in the low 80s and future prognostications have not much changing, give or take a nickel for the remainder of the year.

Below is a chart detailing the market movements of homopolymer polypropylene and contract polymer grade propylene monomer resin since the inception of 2010.



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

### **EASTMAN**



### Let your ideas flow.

Eastman Aspira™ copolyester EN177 combines a unique collection of attributes—clarity, gloss, strength, and design freedom—enabling the development of attractive, ergonomic packaging.

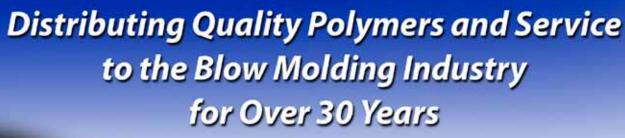
#### Cal Becker

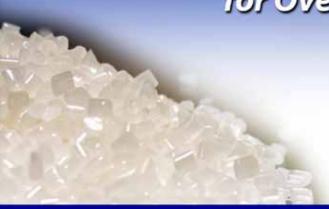
#### Eastman Chemical Company

Principal Technical Service Representative Food, Beverage, and Consumer Packaging Specialty Plastics Business Organization P. 301-606-2544 cjbecker@eastman.com

www.eastman.com/aspira

Visit us at booth #2 during the Annual Blow Molding Conference, October 12–13, Chicago, IL







Service 24/7 No Voice Mail Every Minute, Every Hour, Every Day









47 Rockingham Road • Windham, NH 03087 USA Tel: 603-893-4366 • Fax: 603-898-5937 www.a-toppolymers.com

Contact: Jeff Light, A-ToP Senior Account Executive Director – SPE Blow Molding Division



Current program includes Technical/Business Overviews, Industrial and Automotive Materials and Applications, Packaging Machinery Advancements, Co-Extrusion Technology, Packaging Sustainability and Recycling Barrier Technology and Options.

Tuesday, October 11, 2011

LOCATION	TIME	SESSION SPEAKER/COMPANY	
Ballroom	3:00 PM - 5:30 PM	Exhibitor Check-in and Set-up	
Ballroom	5:30 PM - 7:00 PM	Registration, Welcome Reception and Exhibits	

### Wednesday, October 12, 2011

LOCATION	TIME	SESSION	SPEAKER/COMPANY
	7:30 AM	Registration	
	8:00 AM	Continental Breakfast	
	8:30 AM - 10:30 AM	GENERAL SESSION	Moderator: Scott Steele
		Driving Growth and Consumer Satisfaction Through Packaging Innovation	Perfecto Perales, Senior Director Packaging Research Research Development & Quality, Kraft Foods
	8:30 AM - 10:30 AM	Blow Molding Resins Outlook – Polyolefins & PET	Chase Willet, Director Polyester and Polyester Raw Materials, CMAI (CMAI has been acquired by IHS, a world-class leader in chemical products and services
		Blow Mold North America Market Analysis, Mergers and Acquisitions	Angie DeRosa, Business Reporter, Plastics News
Ballroom	10:30 AM - 11:00 AM	Break – Networking and Exhibits	
	11:00 AM - 12:30 PM	SESSION 1A: PACKAGING BIO MATERIALS	Moderator: Babli Kapur
	11:00 AM - 11:25 AM	Bio-Derived Polyethylene	Mark Mendelson, Market and Product Portfolio Manager, Braskem America, Inc.
	11:25 AM - 11:50 AM	Balancing Sustainability, Processing, and Performance Needs through Development of Clear Packaging Resins	Dr. Mark Treece, Senior PhD Chemical Engineer, Eastman Chemical Co.
	11:50 AM - 12:20 PM	New Bio-Based Polymers for Extrusion Blow Molding	Dr. Robert Whitehouse, Mirel Plastics, Metabolix
	12:20 PM - 12:30 PM	Questions and Answers	
	11:00 AM - 12:30 PM	SESSION 1B: INDUSTRIAL	Moderator: Bob Jackson
	11:00 AM - 11:20 AM	Multilayer Blowmolding - Getting Sustainability for Your Bottom Line	Chuck Flammer, Vice President Sales, North Americ Kautex Machines, Inc.
	11:20 AM - 11:40 AM	Beans to Machines	Jay Olson, Manager, Global Polymers Technology, Materials Engineering, John Deere
	11:40 AM - 12:00 PM	Use of Blow Stands to Produce Technical Products by Blow Molding	Bob Slawska, Graham Engineering Corporation
	12:00 PM - 12:20 PM	Blow Molding Large Clear Handled Copolyester Containers	Cal Becker, Technical Service Application Developm Eastman Chemical Co.
	12:20 PM - 12:30 PM	Questions and Answers	
	12:30 PM - 2:00 PM Buffet Luncheon	Demystifying Plastics Urban Myths	Rudy Underwood, American Chemistry Council
	2:00 PM - 3:30 PM	SESSION 2A: PACKAGING INNOVATIONS	Moderator: Jamie Pace
	2:00 PM - 2:20 PM	Recyclable PET Resin for EBM	Jeff Wardat, New Business Development Manager, Auriga Polymers Inc. of Indorama
	2:20 PM - 2:40 PM	TBS: Tubes to Bottle Systems	Robert W. Fox, Synergy Packaging, LLC
	2:40 PM - 3:00 PM	Recent Investigative Results in High Density Polyethylene Injection Stretch Blow Molding (HDPE ISBM)	Michael McLeod, Technical Service Manager – Mold and Sheet, Total Petrochemicals USA, Inc.
	3:00 PM - 3:20 PM	Latest Improvements in PE and PP Additives for EBM	Mike Watson, Advanced Development Chemist, Milliken Chemical
	3:20 PM - 3:30 PM	Questions and Answers	
	2:00 PM - 3:30 PM	SESSION 2B: INDUSTRIAL	Moderator: Gerry Hobson
	2:00 PM - 2:20 PM	Foaming Blow Molding	Sam Crabtree, Research Scientist, The Dow Chemical Co.
	2:20 PM - 2:40 PM	Bottle Weight Reduction as a Simulation Driver Optimization Process	Dr. Hossam Metwally, Lead Engineer, ANSYS, Inc.
	2:40 PM - 3:00 PM	3D Suction Blow Molding Technology	Valter Mariani, Engineering Manager, S.T. Soffiaggio Technica s.r.l. and Ernie Hollo, President, Hollo Plastics Equipment
	3:00 PM - 3:20 PM	Ford Product Development Innovations Drive by Advanced Blow Molding Technologies	Dr. Mohammed Usman, CAE Manager and Syed Ahmad, CAE Product Engineer, Ford Motor Co.
	3:20 PM - 3:30 PM	Questions and Answers	
Ballroom	3:30 PM - 4:00 PM	Break – Networking and Exhibits	

### Wednesday, October 12, 2011 Continued

4:00 PM - 5:30 PM	SESSION 3A: BARRIER OPTIONS FOR PACKAGING	Moderator: Piaras de Cleir
4:00 PM - 4:25 PM	Versatility of EVAL High Barrier Blow Molded Containers	Andrew Kerschbaum, Sales Manager Rigid Applications, Kuraray America—EVAL Business Unit
4:25 PM - 4:50 PM	Barrier Applications & Methodologies For PET Food Containers	Paul Bailie, VP and Business Manager, Food Packaging, Graham Packaging Co.
4:50 PM - 5:20 PM	Plasma Coatings for Barrier Containers	Jon Elward, Senior Territory Manager, KHS Corpoplast North America, Inc.
5:20 PM - 5:30 PM	Questions & Answers	
4:00 PM - 5:30 PM	SESSION 3B: BARRIER INDUSTRIAL	Moderator: Geoff Ward
<b>4:00 PM - 5:30 PM</b> 4:00 PM - 4:25 PM	SESSION 3B: BARRIER INDUSTRIAL  Hyperier in Production	Moderator: Geoff Ward  Steve Thompson, Mergon Corporation
4:00 PM - 4:25 PM	Hyperier in Production	Steve Thompson, Mergon Corporation
4:00 PM - 4:25 PM 4:25 PM - 4:50 PM	Hyperier in Production  EPA Regulations for Fuel Systems	Steve Thompson, Mergon Corporation  Ken Carter, John Deere
4:00 PM - 4:25 PM 4:25 PM - 4:50 PM 4:50 PM - 5:20 PM	Hyperier in Production  EPA Regulations for Fuel Systems  Blow Mold Cooling Optimization	Steve Thompson, Mergon Corporation  Ken Carter, John Deere

### Thursday, October 13, 2011

LOCATION	TIME	SESSION	SPEAKER/COMPANY
Ballroom	7:30 AM - 8:15 AM	Continental Breakfast	
		101 SESSIONS	
Moderator: Gary Carr	8:30 AM - 10:00 AM	Blow Mold 101: Continuous Extrusion	Klaus Mischkowski, Consultant
Moderator: Mark Heitker  Moderator: Henry Vogel  Moderator: Cal Becker  Ballroom  10  Moderator: Surendre Agarwal	8:15 AM - 9:00 AM	Applying VFDs for Energy Savings: Notes from the Field	Clayton Penhallegon, Jr., President, Integrated Services Group, Inc.
	9:15 AM - 10:00 AM	Blow Mold 101: Reheat Stretch Blow Molding	Donald Miller, Plastic Technologies, Inc.
	8:15 AM - 9:00 AM	Blow Mold 101: Design for Blow Molding	Gerry Hobson, Hobson Consulting Ltd. and Geoff Ward, Agri Industrial Plastics
Henry Vogel	9:15 AM - 10:00 AM	Blow Mold 101: Polyolefins	Terry Glass, The Dow Chemical Company
	8:15 AM - 9:00 AM	Blow Mold 101: Blow Molding Engineering Thermoplastics	Lew Ferguson, Parisons
	9:15 AM - 10:00 AM	Blow Mold 101: Accumulator Head	Bob Jackson, Pres., Jackson Machinery Inc., Gerry Hobson, Hobson Consulting Ltd.
Ballroom	10:00 AM - 10:30 AM	Break - Networking and Exhibits	
Moderator:	10:30 AM - 11:15 AM	Blow Mold 101: Reciprocating Screw Technology in Extrusion Blow Molding	Dale Maddox, Process Engineer, Uniloy North America
urendre Agarwal	11:30 AM - 12:15 AM		Tom McLean, GM, METTLER TOLEDO CI-Vision, and Scott Heins, Sales Manager, ALPS
Moderator: Ron Puvak	10:30 AM - 11:15 AM	Recycling PET, PCR and Recycling Polyolefins	Scott Steele, Plastic Technologies, Inc. and KW Plastics Recycling
	11:30 AM - 12:15 AM	Single Stage Blow Molding	Craig Arnold, Sales Manager, Nissei ASB Company
Moderator:	10:30 AM - 11:15 AM	The Importance of Discrete Data Analysis in Establishing & Maintaining Product Quality	Dan Weissman, DW & Associates
Ben Lopez	11:30 AM - 12:15 AM	Fundamentals of IR Welding for Blow Molding	David G. Kember, Director of Sales and Engineerin HA Industries
	12:30 PM	Lunch	
	12:30 PM - 4:30 PM	Advanced Extrusion Blow Molding	Klaus Mischkowski, Consultant









### 27th Annual Blow Molding Conference

October 12 & 13, 2011

Chicago Marriott O'Hare Chicago, Illinois

Name:	Title:		
Company:			
Address:			
City:	State:	Zip:	
Phone:	Fax:		
Email:			
SPE Member ID Number (if known):			
Vegetarian or Special Dietary Needs (specify):			
Disability: if you require assistance to fully partici	pate in this Conference, please spec	ify:	

### Registration Before September 23, 2011

Registration Fee: SPE Member \$425.00; Non-Member \$545.00 (this fee includes 1 year SPE Membership) Fee includes all materials, lunch and dinner

### Registration After September 23, 2011 (and at the door)

Registration Fee: SPE Member \$475.00; Non-Member \$595.00 (this fee includes 1 year SPE Membership) Fee includes all materials, lunch and dinner

### **Payment Methods:**

#### Check:

Made payable to SPE Blow molding Division, sent with registration to: ABC Conference 2011, P.O. Box 964, Holland, OH 43528-0964,

USA

#### 2. Corporate Credit Card:

Call Scott Steele at 419-867-5403 E-Mail: ABC2011@pti-e.com

#### PayPal®:

www.blowmoldingdivision.org (choose conference link on left to register/buy)

### 2011 Blow Molding Division Sponsors (Sponsorship opportunities available)

### Diamond Level Sponsors Platinum Level Sponsors

- Ampacet Corporation
- Auriga Polymers Inc. of Indorama
- The Dow Chemical Co.
- Invensys Eurotherm
- KW Plastics Recycling
- Nissei ASB Company
- OMYA
- Uniloy North America

### **Gold Level Sponsors**

S.T. Soffiaggio Tecnica s.r.i.

- Agri Industrial Plastics Company
- AGR International, Inc.
- ALPS-Air Logic Power Systems
- · A-ToP Polymers, Inc.
- Bekum America Corporation
- Blow Molding Machinery & Equipment, Inc.
- Eastman Chemical Co.
- · ANSYS, Inc.
- Fidelity Tool & Mold Ltd.
- · Graham Engineering Corp
- · Hawkeye Preferred Tooling Group
- · Heritage Plastics

- Heise Industries
- Kautex Machines, Inc.
- · MC Molds, Inc.
- Plastic Technologies, Inc.
- Materion Brush Performance Alloys
- Milliken and Company
- Proco Machinery Inc.
- R&B Plastics Machinery LLC
- Rocheleau Tool and Die
- Solvay Specialty Polymers
- ThyssenKrupp Materials NA Copper and Brass Sales Division
- · Wentworth Mold Ltd.



## Blow molders — are your cooling lines corroded, blocked, or cracked?

Then **Alumec 99** may be the solution to these problems:

- Improved thermal conductivity and hardness, as compared to 7075-T651.
- Improved cooling efficiency and cycle times with resistance to exfoliation corrosion.
- Reduced downtime for cooling channel maintenance.
- Substantially increased serviceable mold life.
- Improved productivity from reduced downtime.
- Reduced water channel repair costs.

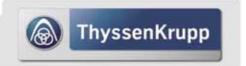
To learn more, please contact: Copper and Brass Sales Division Douglas B. Zeug Phone: (248) 233-5726 Fax: (248) 233-5788 E-mail: douglas.zeug@thyssenkrupp.com www.copperandbrass.com





Ашмес 99° is produced by Alcoa, Inc. and distributed in North America exclusively by Copper and Brass Sales.

ThyssenKrupp Materials NA Copper and Brass Sales Division



AIN Plastics, Copper and Brass Sales, Ken-Mac Metals, OnlineMetals.com, ThyssenKrupp Steel Services, ThyssenKrupp Industrial Services, Lagermex

#### SOLVAY SPECIALTY POLYMERS

More Products with More Performance™

### Ixef® BXT 2000-0203

High-Performance Barrier Plastic

### Ideal for Small Engine Fuel Tanks and Consumer Packaging

- · 2-layer and 3-layer blow molding
- Eliminates additives and coatings
- CARB compliant
- EPA certified
- Lower equipment costs than EVOH
- Continuous and accumulator blow molding processing



Learn More at Booth #19 www.SolvaySpecialtyPolymers.com



a Passion for Progress

# YOUR EXPERIENCED PARTNER IN ON-LINE PLASTIC CONTAINER INSPECTION



The current population of ALPS rotary, linear and integrated leak testing machines is assuring the integrity of more than 50 billion bottles per year.

**NexGen Rotary** 









DB-100 Downed Bottle Ejector

Visit our web site today for information on our entire line of leak testing products!

www.alpsleak.com



S.T. Soffiaggio Tecnica s.r.l. Via della Giardina, 820900 Monza, Italy

### Patrizio Pinciroli Sales Department

Accumulator Head Industrial Blow Molding Machinery
5 lb to 100 Plus lb Shot Capacity, Single or Dual Head
State of the Art 3D Suction Blow Molding Machinery
Coex Multi Layer Gas Tank Blow Molding Machinery For All Sized Tanks,
Including Full Automation
Unique Material Saving Radial Thickness Control Systems

330 467 9595 US +39 039 27061 Italy Fax +39 039 2706235 www.meico.it

### 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

Eurotherm

# Replace those old Hunkar and Moog Parison Controls with a Breeze IIc from Eurotherm

The Breeze IIc stand alone parison-only Blow Molding Machine Control replaces existing slide switch, pin and touch screen parison programmers on blow molding machinery. Breeze IIc is factory configured to common time and position based machines. It is shipped as a truly "out of the box" system. Anyone can connect it. Just a few, easy-to-reach, external connections are all it takes.

**Breeze IIc** is simple to set-up and operate. Challenging profiles automatically become parts that meet spec with the absolute minimum material use part after part, day after day. And all at a price you can afford. Why not order one now and see immediate results for a fast R.O.I.!



Let's Talk About Improving Blow Molding Production Capabilities

For more information visit our website at: www.eurotherm.com
Or email us at: info.eurotherm.us@invensys.com

You can access past proceedings of the Annual Blowmolding Conferences at <a href="http://www.4spe.org/pfn">http://www.4spe.org/pfn</a> user name: ABC Guest password: plastics



For more information go to: www.blowmoldingdivision.org

### An intensive half day session on "Extrusion Blow Molding Technology" designed to enhance the knowledge of:

- · Plant production personnel and managers
- · Process engineers and technicians
- Extrusion blow molding machinery operators
- Sales and marketing personal

### SEATING IS LIMITED - REGISTER NOW!

 This course will provide a simplified but thorough treatment of the extrusion blow molding process.

Major emphasis on the blow molding machine from the extruder, parison head, mold clamping

unit and the blowing unit.

How does the system work?

### Course outline highlights:

- Introduction, Background / History
- Various Extrusion Blow Molding Processes, Applications, and Resins
- Extruder Drive, Barrel, and Screw Technologies
- Different Parison Head and Tooling Designs
- Clamp and Blow Units
- · IML, Part Removal and Trimming
- Controls for each system

How do all the subsystems tie into making the blow molded article?

This half day course is included in the full conference registration but can be registered for separately at a cost of \$100 per participant. Lunch is included

Gain valuable insight and knowledge from instructor Klaus Michkowski's 42 years of experience in the Extrusion Blow Molding Industry. Klaus has worked for the leading blow molding machine manufacturers such as Fischer, Voith-Fischer, Battenfeld-Fischer Krupp-Kautex, SIG. His informative and easy to understand short course will provide the attendee with information they can use immediately. Klaus' course has been presented at prior Annual Blow Molding Conferences and based on excellent feedback, we are pleased to bring him to ABC 2011.





"Specialists in blow mold tooling manufacturing."

www.hawkeyepreferredtoolinggroup.com

### Hawkeye Preferred Tooling Group

### We specialize in the following:

- -3-D Part design
- -In Mold Dome Cutting
- -Blow Stands
- -Head Tooling
- -Secondary Fixtures
- -Mold repair and maintenance
- -Custom Wire EDM work
- -In Mold Punching
- -Custom CNC machining

### "Blow molds are our passion"

2323 Old Highway Road Charles City, IA 50616

Phone: 641- 228- 3099 Fax: 641- 228- 3121

Email: sales@buymolds.com

### **Board of Director's Meeting May 3, 2011**

### AI = ACTION ITEM

#### Call to order at 8:05 am

BOD Members present: Gary Carr, Ben Lopez, Scott Steele, Jeff Light, Mark Heitker, Mark Barger, Randy Moynihan, Ron Puvak, Geoff Ward, John Rathman, Dale Klaus, Jamie Pace, Babli Kapur, Henry Vogel, Cal Becker, Jon Meckley, Terry Glass BOD Members Excused: Lew Ferguson, Surendra Agarwal, Daryle Damschroder, Bob Jackson, Gerry Hobson

BOD Members Absent: Piaras de Cléir, Clyde Bohne, John Headrick Guests: Tricia McKnight, Dick Cameron, Jon Ratzlaff

### Welcome & Non compete notice - Scott Steele

### State of the Board - Scott Steele

Ben Lopez is Chair elect. Jeff Light designated as Marketing Committee CoChair.

**Al Mark Heitker –** Distribute organization chart showing BOD positions and request directors to convey interest in future positions to assist Ben Lopez with succession planning and identify training opportunities.

**Al Bob Jackson -** Obtain nominee Mike Hall's eligibility documentation to qualify for open position on the BOD.

Al Gary Carr – Contact David Hayward to determine his interest in joining the BOD

Continued on next page



### BEKUM AMERICA CORPORATION

www.bekumamerica.com sales@bekumamerica.com 517-655-4331





**Al Mark Barger –** Contact Donna Davis to see if ExxonMobil has interest in a BOD position.

### Review of last Meeting's Minutes and Action Items – Mark Heitker

Passed around BOD roster. Updated version is attached.

**Al Bob Jackson** - Review Sam Belcher archives for a new Blow molding book and coordinate with Wiley Publishing.

 Motion to approve minutes with no revisions – Jeff Light, 2<sup>nd</sup> John Rathman, approved by BOD majority. Minutes and updated action item list are attached.

Discussion on ABCs revenue, major impact is site expenses. Atlanta had high hotel and catering expenses. Focus of our ABC efforts is education.

### Councilors report review – Mark Barger

Sarah Sullivan is assuming Marie Salzo's duties at SPE national. Russell Broome is new president. Society financial performance is much improved.

**AI Scott Steele** – Arrange Finance Committee meeting to determine the future status of our \$55,000 in the SPE Investment Program

Future ANTEC locations – 2012 Orlando, 2013 Cincinnati, 2014 Las Vegas, 2015 Orlando

Membership is growing. Member survey - #1 reason for joining SPE is Technical Content, #2 is Networking Opportunities. Discussed POAM outline.

Al Ben Lopez – Mark Barger is term limited. Identify candidate(s) for Councilor for 2012-2015 term and schedule election at Winter 2012 BOD meeting.

Continued on next page



### Celebrating 30 years of excellence in container automation



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



Proco provides innovative cost effective automation solution.

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



Discussed new Webinar emphasis for SPE National and new Academic Outreach program to target increased student membership.

Motion to approve the report by Henry Vogel, 2<sup>nd</sup> by Jeff Light –
 approved by majority of BOD

### □ Technical Program Committee (TPC) – Ron Puvak for Surendra Agarwal

Need to finalize ABC 2011 program and start producing marketing promotions. Gary Carr toured hotel facilities. Using regional based marketing. Obtaining new email lists. Reviewed ABC session and speakers.

ABC 2012 planning summary. Site options - ABC 2012 Pittsburgh or Atlanta, ABC 2013 Possible return to Atlanta, ABC 2014 Possible St. Louis, Chicago, others

Guest Dick Cameron presented the attached site proposal from the Pittsburg Section.

Discussions on site options.

 Motion to approve TPC report and Pittsburg for ABC 2012 by Geoff Ward, 2<sup>nd</sup> by Jon Meckley – approved by majority of BOD

ABC 2012 co chairs will be Ron Puvak and Jon Meckley

- □ Break 9:55 10:10 am
- Sponsorship subcommittee report Jeff Light

Discussed recruitment stategy for ABC 2011. 333 businesses contacted. 17 sponsors confirmed so far for \$39,500.

Continued on next page

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



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









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

Your Future in Plastics

 Motion to approve report by Henry Vogel, 2<sup>nd</sup> by John Rathman – approved by majority of BOD

Al All BOD - Send at least one contact to Deidre as a potential new sponsor

### Treasurers report – Terry Glass

Reviewed report. Total fund's balance is \$239,290. If the balance goes above \$250,000 outside accounting assistance will be needed for tax return preparation. The Manning & Napier Fund portion of the Grant Fund has had ~7% return and the SPE Investment Fund portion of the Grant Fund return was 3%.

Proposal by the Treasurer to consolidate the Division's four funds.

**Al Scott Steele** – Arrange Finance Committee meeting to discuss the feasibility of consolidating the Division's funds to simplify our finances and possible use of accounting software.

Motion to approve the Treasurer's report by Henry Vogel, 2<sup>nd</sup> by John Rathman – approved by majority of BOD

Motions for proposed changes to the SPE Blow Molding Division's Fiscal Policy – By Laws The motions to revise Division Fiscal Policy and By Laws were reviewed at the last BOD meeting and published in the last newsletter with no comments received from the Division membership. Motion # 2 does not require a change to the By laws and was withdrawn.

#### Motion #1

### Amend Timing of Beginning of Fiscal Year Fund Transfers By-Law Current wording in the Policy Manual's Fiscal Policy By Law:

Transfers of funds from the Division Treasury (Operating Fund) to the Grant Fund and from the Grant Fund to the Disbursement Account will be automatic at the direction of the Chairperson each year on July 1, and will not require a motion nor Board approval.

Continued on next page

### Selling Technology, not just Steel

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

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

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



**Building Partnerships with Customers** 



www.rbplasticsmachinery.com

### Proposed new wording:

Transfers of funds from the Division Treasury (Operating Fund) to the Grant Fund, and from the Grant Fund to the Disbursement Account will be completed at the direction of the Chairperson within the 1st half of each fiscal year, and will not require a motion nor Board approval. Any changes to these transfers (amount and timing) must be approved by a 2/3 vote of the BOD prior to December 31st.

#### Motion #3

### Amend Start of Year Grant Fund Income Transfer to Disbursement Fund Current wording in the Policy Manual Section G - 19.

In accordance with Division fiscal policy, each July 1, all interest accrued in the Grant Fund, within previous year, shall be placed into the Disbursement Account. Terms of C/D's or other instruments in the Grand Fund shall be timed such that interest is available within three weeks before or after this date.

### Proposed new wording:

In accordance with Division fiscal policy, within the 1st half of each fiscal year, any income or gains accrued in the Grant Fund within the previous fiscal year, up to but not exceeding the total annual increase in value shall be transferred into the Disbursement Account.

- Motion to approve Motion #1 Mark Heitker, 2<sup>nd</sup> by John Rathman, Approved by all BOD present. 2/3 quorum of BOD was present.
- Motion to approve Motion # 2 Mark Heitker, 2<sup>nd</sup> by John Rathman, Approved by all BOD present. 2/3 quorum of BOD was present.

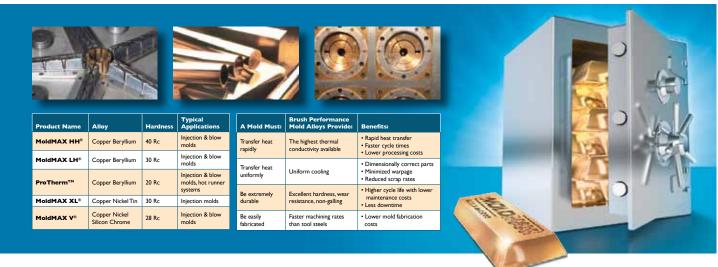
**Al Mark Heitker** – Update the Division's Policy Manual with these 2 changes and send a revised copy to all BOD.

Continued on next page



### Keep Your Reputation Safe. Ask for MoldMAX® by Name.

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





Brush Performance Alloys 6070 Parkland Boulevard Mayfield Heights, OH 44124 Sales Inquiries 800.321.2076 Technical Inquiries 800.375.4205 email: BrushAlloys-Sales@materion.com www.materion.com/bushalloys All MoldMax® products are high performance alloys specifically designed for the plastic processing industry. These alloys offer a unique combination of thermal conductivity and strength that provides important benefits in the molding process. Play it safe. Specify MoldMAX® premium mold and tooling alloys from Materion Brush Performance Alloys. Don't settle for inferior imposters.

Brush Performance Alloys www.materion.com/BrushAlloys

### Reviewed the Education Committee's revision to the 2011 – 2012 Division Disbursement Fund budget.

 Motion to approve the revised 2011-2012 Budget – Mark Heitker, 2<sup>nd</sup> by John Rathman, Approved by majority of BOD

Jon Ratzlaff announced new SPE National Vice President positions for Marketing and Membership

### Education Report – Geoff Ward

Discussed scholarship program and current recipient status.

**Student Design Contest – Mark Barger** Three applicants from Penn State Erie chosen for 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place winning entries. Awards will be for \$1000, \$500, and \$300. The recipients will be invited to display a poster on their project at the ABC 2011.

Al Mark Barger – Send winning entries to be posted on our web site.

**Al Mark Barger –** Send summary and selected images from the winning entries to Ron for the next newsletter.

Discussed student attendees at ABC 2011. Suggested targeting the new student chapter at University of Wisconsin Stout

 Motion to approve the report by Jeff Ward, 2<sup>nd</sup> by John Rathman - approved by majority of BOD

### Awards Sub Committee - John Rathman

**Al All BOD** – Complete your scoring spreadsheet for Honored Service and Fellow nominations and return to John Rathman by end of May.

Continued on next page

As the world's largest plastics recycler of HDPE and PP, KW Plastics has the history of providing high quality recycled resins, record capacities & closed loop recycling solutions to innovative applications.



Pedro N. Morales, Director of Sales & Marketing-KW Plastics Recycling Division 800.633.8744 pedro.morales@kwplastics.com www.kwplastics.com

**AI All BOD** – Need Fellows nominations by August 20<sup>th</sup>. Send to John Rathman.

Frank Hohmann with FGH Systems nominated for 2011 Lifetime Achievement Award by Lew and Ben. Reviewed his qualifications.

- Motion to approve by John Rathman, 2<sup>nd</sup> by Mark Barger - approved by majority of BOD

**Al John Rathman** – Send congratulatory letter to Frank Hohmann with invitation to accept award at ABC 2011 banquet. Request his picture for newsletter.

- Motion to approve the report by Jamie Pace, 2<sup>nd</sup> by Ben Lopez approved by majority of BOD
- Marketing Committee Gary Carr

Al Gary Carr – Continue scheduling ABC planning calls every other Friday.

Newsletter subcommittee report – Ron Puvak

Next issue planned for end of May.

**Al Babli Kapur** – Pick out some highlights from the ABC 2010 papers for inclusion in the newsletter.

Membership subcommittee report

Division is up 14 members, total membership is 762. Randy, Daryle, and Jeff are assisting Lew with membership recruitment and retention.

 Motion to approve the report by Jon Meckley, 2<sup>nd</sup> by Ben Lopez approved by majority of BOD

Continued on next page



Division of



THERMOFORMING I BLOWMOLDING I EXTRUSION I ROTATIONAL I AUXILIARY

~Machinery Sales ~ Appraisals ~ Liquidations ~ Mergers & Acquisitions

Striving to have the highest quality service and machinery

31005 Bainbridge Rd. ~ Solon ~ Ohio ~ 44139 Phone: 440-498-4000 ~ Fax: 440-498-4001 www.plasticsmg.com

### Website subcommittee report – Babli Kapur

Steady progress on new website format, target date for implementation is the 1st week of August.

#### New Business

New Blow Molding book proposal. Bob Jackson will initiate work on this book and coordinate with Wiley Publishing. They will use Sam Belcher's material as a starting point. The book and proceeds will be dedicated to the Sam Belcher Scholarship.

Ron Puvak reported on the PTI Fasttrack training programs at the ANTEC 2011.

Discussion on extending the 2<sup>nd</sup> day of the ABC for expanded 101 training sessions.

**Al Ron Puvak** – Evaluate creating a Blow Molding sub group on the SPE Linked In site.

**Al All BOD** – Send photos to Babli for the website and to Ron for the newsletter. Minimum 300 dpi

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

#### **ADJOURNMENT:**

12:08 pm Motion to adjourn Jamie Pace, 2<sup>nd</sup> by Ben Lopez – Approved by BOD



## Leadership in Custom and Production Extrusion Blow Mold Tool Manufacturing and Maintenance

Fidelity Tool and Mold, Inc. 1885 Suncast Lane Batavia, IL 60510 (630) 879-2300

fidelitytool@sbcglobal.net

#### **CHAIRPERSON**



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

#### PAST CHAIRPERSON / FINANCE CHAIRPERSON



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

**SECRETARY** 



Mark Heitker INEOS Olefins & Polymers, USA Technical Center 1230 Independence Parkway South LaPorte, TX 77571 Ph: 713/307-3702 FX: 713/307-3521 Cell: 713/819-3702 E-mail: mark.heitker@ineos.com

**TREASURER** 



Terry Glass
Dow Chemical Texas Division
2301 Brazosport Blvd. B-1607
Freeport, TX 77584
Ph: 979/238-4246 Cell: 979/236-3617
E-mail: TWGlass@dow.com

COUNCILOR



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

#### TECHNICAL PROGRAM CHAIRPERSON



Surendra Agarwal Kraft Foods 1749 Henley Street Glenview, IL 60025 Ph: 847/646-3598 FX: 847/646-3864 Cell: 847/567-3750 E-mail: sagarwal@kraft.com

### **EDUCATION CHAIRPERSON**



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

#### **MARKETING CHAIRPERSON**



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

#### MEMBERSHIP CHAIRPERSON



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

#### SPONSORSHIP CHAIRPERSON



Jeffrey S. Light
A-ToP Polymers, Inc.
47 Rockingham Road
Windham, NH 03087
Ph: 603/893-4366 Fax: 401/486-9523
Cell: 401/486-3250
E-mail: jeff@a-toppolymers.com

### **WEB SITE CHAIRPERSON**



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

#### **NEWSLETTER EDITOR**



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

#### AWARDS SUB-COMMITTEE



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



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



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



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



Randy Moynihan Chevron Phillips Chemical Co. LP 205 PTC/BTC Highways 60 & 123 Bartlesville, OK 74004 Ph:918/661-0640 Fax: 918/661-0311 Cell: 918/440-4090

E-mail: MOYNIRH@cpchem.com



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



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



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



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

Dale Klaus



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

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

Deirdre Turner 42 Regal Drive Rochester Hills, MI 48037 Ph: 248/505-5136

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

E-mail: dcturner@earthlink.net



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



Kyle Grodzinski Techne North America 14845-6 Yonge Street, Suite 351 Aurora, Ont. L4G6H8 Canada Ph: 847/525-7654 Cell: 416/276-2605 E-mail: kyle.grodzinski@technespa.com



Win Burrington TI Automotive 1227 Centre Road Auburn Hills, MI 48326 Ph. 248/209-3322 Fx: 248/377-1808 Cell: 248/672-8155 Email: wbarrington@us.tiauto.com



William R. Galla Sabic Innovative Plastics 7924 Eastbrooke Trail Poland, OH 44514 Ph:330/757-6684 Cell:330/310-0428 E-mail: William.Galla@sabic-IP.com



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





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

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

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

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

Don Peters Phillips Chemical 154 Phillips Technical Center Bartlesville, OK 74004 Ph: 918/661-3117 FX: 918/662-2220 E-mail: judopeters@aol.com

