



# **SOCIETY OF PLASTICS ENGINEERS**

## **BLOW MOLDING DIVISION**

Volume 2009 Edition 4

25th Annual Blow Molding Conference

# **ABC 2009**

## **October 7 & 8**

### **OFFICERS**

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ABC 2009  
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The SPE Blow Mold Division hosted its annual conference for the Blow Molding Industry on October 7 & 8, 2009 on the campus of Michigan State University. Technical sessions and exhibits were held on the James B. Henry Center for Executive Development, a newly constructed, state-of-the-art conference center, just minutes from Michigan's state capitol.

In total some 220 visitors attended the 2 day program to hear presentations in the latest technology from speakers who cover industry segments in both packaging & industrial applications. From resin developments to machinery innovations to automation, design and safety, the attendees expressed great satisfaction regarding the breadth and depth of information they were exposed to during ABC2009.

A sign of any successful conference is not only the overall attendance, but what was the cross section of attendees? The following is a brief overview of ABC2009 participating groups:

#### **Blow Molders:**

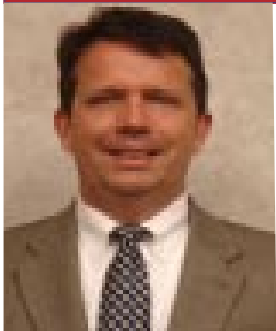
- Agri-Industrial Plastics
- Alpla
- Arrow Plastics/Illinois Bottle
- Bissell Homecare
- Blow Molded Specialties
- Camoplast
- CCW Products
- CKS Packaging
- Clack Corporation
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- Dutchland Plastics
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- Graham Packaging
- Inergy Automotive
- Lefco Plastics
- Logoplaste
- Mauser Group
- MPC
- N.E.W. Plastics
- Ring Container Technologies
- SAY Industries
- Swissplas/Monarch Packaging
- The Plastics Group
- Walbro Engine Management

*Become  
a member*  
*Join the  
SPE  
Blow Molding  
Division*



Continued on Pg 3

## Chairperson's Message



2009 saw the passing of another of our industry leaders, Sam Belcher. Sam was a great friend of the Blow Molding Division and volunteered to serve SPE in countless ways for many years. His smiling face and his great desire to move blow molding forward will be missed.

I met Sam in 1979 when I first started at Owen-Illinois. Sam was chief engineer on the Cincinnati Milacron reheat blow platform and they were fast building several hundred RHB-V's for the world market. My employer, O-I had just decided to work exclusively with a competitive rotary platform and we went to visit Milacron to carry that message. A lot of people would be less than gracious to get such news, but not Sam. Ever the hopeful optimist, he immediately began working on laying the foundation for the next machine they could sell to us. He did not focus on the past; he looked forward. Sam carried this positive philosophy beautifully throughout his career.

One project, which Sam did not complete, was his desire to write a history of blow molding. Shortly before his passing, he related to one of our board members that he was getting serious about writing his part of it. He lived the reheat stretch history and now some of it has passed with him. We need to rededicate ourselves to get this story recorded. As Chairman, I will be working on a proposal to have the division fund a writer to begin this work that all of us wish we had the time to do.

For the new year, let's all think about and remember that cheery guy from Cincinnati who never said no, I can't do it, or no, it can't be done. We need more people like him.

Scott Steele



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**Gold Level:**

- Agri Industrial Plastics Co.

**Students:**

About 25 students and faculty attended the ABC 09 as our guests from Ferris State University, Penn State Erie, Pittsburg State University, Michigan State University, and Institut fuer Kunststoffverarbeitung in Aachen, Germany.

***New this year! Plastics 101 mini-sessions***

were held providing comprehensive instruction focusing on the technology processes, troubleshooting and methodologies of blow molding. Led by industry experts, these sessions provided invaluable tips, suggestions and solutions for the following blow molding disciplines:

- ☐ Continuous Extrusion
- ☐ Accumulator Head
- ☐ IBM
- ☐ Stretch Blow (reheat)
- ☐ Polyolefins 101
- ☐ PET 101
- ☐ Design for Blow Molding
- ☐ Co-Extrusion and Engineering Polymers

As always, the SPE Blow Molding Division's annual awards dinner was the one of the conference highlights. The Blow Molding Division presented student scholarships and recognized student design winners. A special segment of the evening was dedicated to the Division's Lifetime Achievement Award recipient, Dr. Tom Brady, the Founder and Owner of PTI (Plastic Technologies, Inc.).

If you are involved in the producing, designing, specifying or purchasing of blow molded articles, including those involved in process equipment, auxiliary equipment, molds and tooling or material, you must attend the blow molding industry's premier technical and market-based event / conference.

***Mark your calendar  
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## Olefin Pricing, A Factor of Influences

By Jeffrey Light, A-ToP Polymers, Inc.

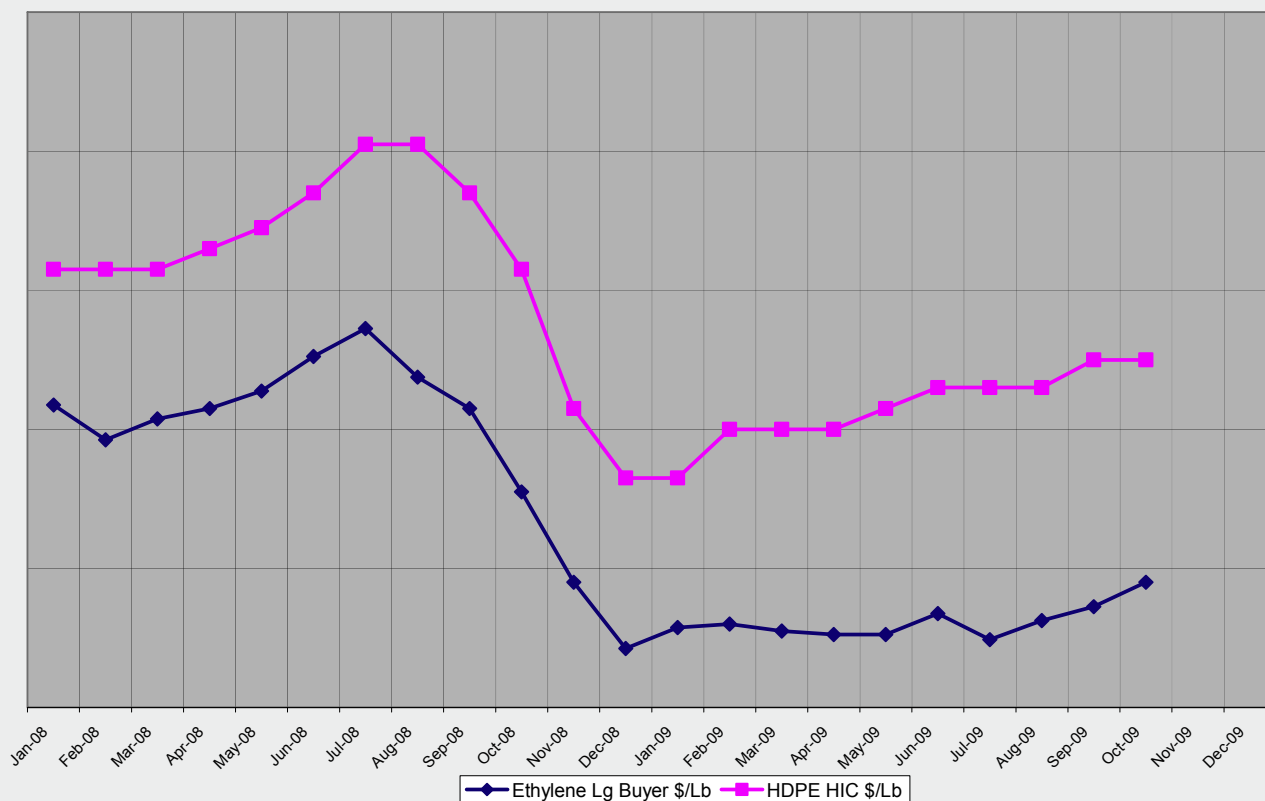
With only two months remaining in 2009, prices for all PE and PP blow-molding materials have risen substantially this calendar year, albeit after the plunge seen throughout the third and fourth quarters of 2008. Each of these markets continues to be affected by the weak global economy, the struggling value of domestic vs. international currencies and the global infusion of “recovery and stimulus dollars”. These factors impact everything manufacturers manufacture and consumers consume. Domestically, an increasing percentage of vulnerable citizen’s are becoming increasingly frustrated with the constant influences of governmental decisions. As federal, state and local governments try to balance their own budgets, the national debt continues toward new, all time highs concerns at the personal level remain guarded. Lower spending by consumers with less access to credit hurts retailers, distributors, plastic resin converters and thus, pellet manufacturers as well. Regardless of all the domestic and global issues, olefin blow molding resin producers are realizing strong healthy margins while maintaining lower than “normal” inventories and seek to increase selling prices further this year.

Let’s take a look at some specifics regarding each of the three major material categories.

### Polyethylene

2009 Polyethylene resin costs rose with careful guidance by the producer sector as they have successfully managed balancing supply vs. demand. The “Make To Order” mentality should sound familiar, and this reality likely will not change anytime soon. After the steep declines seen throughout the later part of 2008, PE manufacturers have taken steps to ensure inventories remain low, i.e. pre-selling production to the export market and entering into the arena of pre-selling domestic and export production via auction. In addition, producers have increased operating rates via the closure of older, less efficient, production assets and been affected by higher feed stock costs. PE prices have risen 17-cents/# during the first 10 months of this year with two increase announcements yet to settle, totaling 8-cents/# while some producers remind their clients that there remains ½ of a previously announced 8-cent/# increase still in-play. Time will tell where the will market settle but with the pellet manufacturers having played their cards well in 2009, the trend seems apparent.

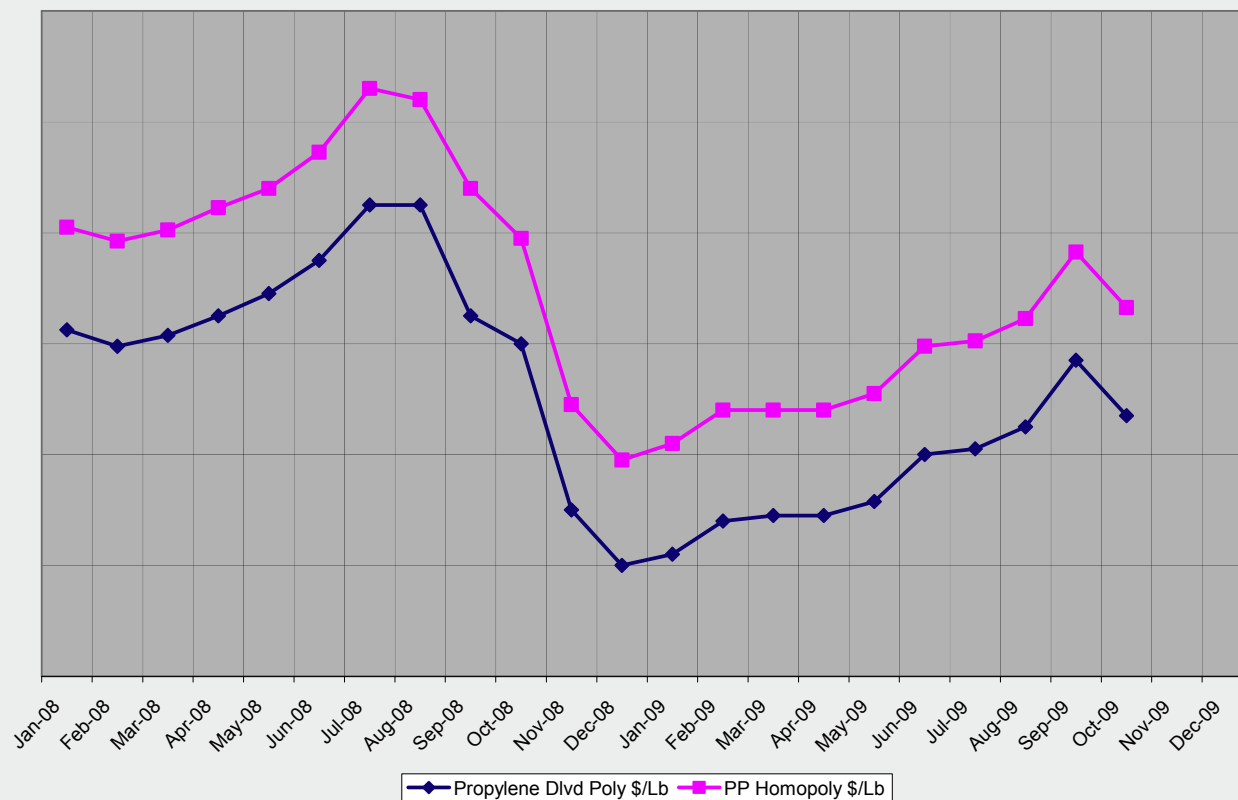
HDPE HIC & Ethylene Market Activity Jan '08 - Present



## Polypropylene

Pricing for PP resin in 2009 rose steadily through the 1<sup>st</sup> and 2<sup>nd</sup> quarters of the year accounting for 20.5-cents/# of the 27-cents/# realized YTD. The balancing act of polypropylene pellet inventory vs. monomer costs vs. alternative markets factors, i.e. asphalt, alkaline values, etc. was well managed. PP price volatility can be attributed mostly to feed stock cost variances, unlike PE which has been benefit of a banner export year, causing producers to closely manage production to domestic demand each month. A clear example of this dynamic was during the 3<sup>rd</sup> quarter in which tight monomer supply resulted in a 12-cent/# increase in September, followed by a 10-cent/# decrease in October. Expectations of further decline were unrealized as feed stock costs rose further instead of declining due in part to the unexpected surge in oil prices. That being the case, there was decisive action taken by PP manufacturers with November nominations for 3 or 5-cents/#. As converters ponder their plans for the balance of 2009, prepare to close their books and posture for a successful 2010, we're all left wondering what the market demand really is for feed stocks, pellets, derivatives, etc. and thus the future settlement of production costs for resin manufacturers. Given the uncertainty as to where the true global economic recovery is, the on-going affects of the tight credit and job markets on consumers have taken demand markedly down in heavy PP markets such as: auto, home and appliance. Similar to PE, the "Make To Order" PP environment, is a wait and see.

PP Homopoly & Poly Grade Propylene Market Activity Jan '08 - Present



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 [jeff@a-toppolymers.com](mailto:jeff@a-toppolymers.com).



## SPE Scholarship Recipients

### **Marcus Gardner** **2009 Carrie Fox Solin** **Memorial Scholarship** **recipient**

Mark is a junior at Ferris State University. He worked in the thermoforming industry for 12 years before returning to school to further his education. Mark completed his associate degree in Plastics Engineering Technology at Grand Rapids Community earlier this year and is now studying Plastics Engineering at Ferris State University. He has also received prior SPE scholarships from the West Michigan section, the Thermoforming Division, and the Thermoset Division. Mark and his family live in Cedar Springs, MI.



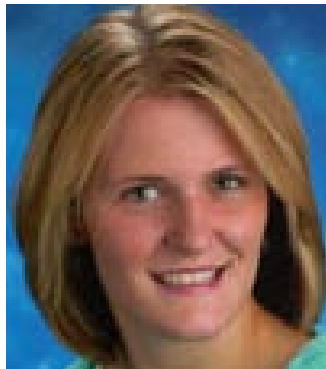
### **Evan Perkins** **2009 ExxonMobil** **Chemical Company** **Scholarship recipient**

Evan is a junior at Ferris State University pursuing a Dual Major in Rubber and Plastics Engineering Technology. He is the Fundraising Chair of the FSU student SPE chapter, the Secretary of the FSU Rubber Group, and Treasurer of the FSU Soccer Team. Evan works at Meijer and is lab tutor for a Rubber 110 class to help pay for school. He has interned at Delphi Automotive in Saginaw, MI. Evan's future career interest is design and manufacture of sporting goods.



### **Jessica Patz** **2008 Carrie Fox Solin** **Memorial Scholarship** **recipient**

Jessica is a senior at Pennsylvania State University at Erie, The Behrend College and plans to graduate in May 2010. She is the Treasurer of the PSU student SPE chapter and Vice-President of the PSU chapter of SWE. This past summer she was an intern at Beaumont Technologies and continues to work there part time during the school year. She is a TA for a plastics class this semester. Jessica plans to attend graduate school after graduation.



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## IN MEMORIUM

### Samuel Belcher left legacy of invention

By Jessica Brown

[jlbrown@enquirer.com](mailto:jlbrown@enquirer.com)

Samuel L. Belcher left his legacy in plastics.

Mr. Belcher, of Moscow in Clermont County, held 60 patents and was inducted into the Plastics Hall of Fame. It is likely that at one point one of his inventions graced your kitchen counter or enclosed your fast-food breakfast - he invented the lazy Susan spice rack for Rubbermaid and the McDonald's foam clamshell package that's still in use for breakfast sandwiches. But Mr. Belcher also left his legacy in the rich memories held by his family and friends. He was the man who coached his son's baseball team and who never missed a Sunday morning service at St. Timothy's Episcopal Church in Anderson Township, where he was an acolyte. He was the man who helped clear 85 acres in Clermont County where and his wife built a home, went on nature walks and bred Tennessee Walking Horses. Mr. Belcher (also known as "Sam the Bottle Man") died Nov. 20 of complications from open-heart surgery. He was 75. Services took place Nov. 23.

Mr. Belcher's wife, Donna M. Belcher, described her husband of 26 years as an energetic, gregarious, humble person. He loved the outdoors, his dogs and his horses. He was an "avid but respectful" hunter, she said. Sometimes he spent time just watching the deer and wild turkeys or walking around the property enjoying nature.

"He just loved his life," she said. "He left it a little too soon."

Mr. Belcher made a mark on his industry and his family with his energy, drive and simple love of life. His son, Jay Belcher, recalled that while he was growing up in Toledo his father always remembered to bring gifts home for the kids after business trips. He remembered carrying a briefcase to school once in the fifth grade because he wanted to emulate his Dad.

"My father amazed me every day of my life," said Jay Belcher. "He was my hero. He was larger than life."

Mr. Belcher was raised on a farm in the southwestern Pennsylvania town of Meyersdale. Jay Belcher recalled his father telling the story about how he built a bicycle out of parts he found in scrap heaps. He used a garden hose for the tires - rubber was in short supply because of the war effort.

Mr. Belcher was an accomplished baseball player and even tried out once for the New York Yankees as a third baseman.

Mr. Belcher was self-motivated. He worked his way through college at the University of Akron, where he earned a mechanical engineering degree in 1958. He joined the ROTC and enlisted in the Air Force toward the end of the Korean War. He flew a C-130 Hercules transport plane and sometimes went on risky missions "that no one was supposed to know about," said his son. Eventually he started a family and a career in plastics. Mr. Belcher earned his master's degree in business administration from the University of Toledo in 1968 and went through a Marketing Management Program at Stanford Graduate School of Business in 1976.

He became quite famous in the plastics industry. He made his mark in the field of blow molding and stretch blow molding. He earned a Society of Plastics Engineers Lifetime Achievement Award and authored or edited many professional articles, chapters and textbooks that were used or edited around the world. Jay Belcher said his father even worked at McDonald's briefly in 1974 at the suggestion of founder Ray Kroc. Mr. Belcher was trying to earn the nod to produce the clamshell container.

*Continued on next page*

"He had a ball," Jay Belcher said - and he walked away with a contract for 1.5 billion units. Mr. Belcher invented the first Polyethylene terephthalate (PET) bottle with an integrated handle, the first flip-top hinge closure for liquid detergent bottles and the first injection blow-molding machine for PET bottles, which was used to blow-mold the first automotive front-wheel drive boots for GM and Ford. His machine was also used to mold Magic Shell and NyQuil bottles.

He was credited with more than 60 U.S. and foreign patents, including developments in twin-sheet thermoforming, structural foam plastic pallets, machinery and medical devices.

His career affiliations include Cincinnati Milacron; Wheaton Industries in Millville, N.J.; Owens-Illinois in Toledo; and Rubbermaid in Wooster, Ohio. He started his own consulting firm, Sabel Plastechnics, in 1987 and continued to work until he died.

In addition to his wife and son, survivors include sons Jay and Joel Belcher and Danny Kissing; daughters Marie Belcher and Lisa Kissing; brothers James and Merle Belcher; sister Edna Good; and six grandchildren.

Services have been held.

Memorial contributions can be made to the Autism Society of Greater Cincinnati or St. Timothy's Episcopal Church.

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## **Graham Engineering Corporation Continuing Education 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@agriindustrialplastics.com](mailto: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.

## Life-time Achievement Award

June 02, 2009

Mr. Tom Brady  
Plastics Technologies Inc.  
PO Box 964  
Holland OH 43528-0964

Dear Mr. Brady:

We are pleased to announce the Board of Directors of the SPE Blow Molding Division has chosen you as the recipient of the 2009 SPE Blow Molding Division Lifetime Achievement Award.

Scott Steele nominated you for this prestigious award. He prepared a detailed list of 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 Lansing, Michigan on the evening of October 8, 2009. We invite you, your family, and any colleagues to join us for this occasion.

Congratulations and Best Wishes,

John Headrick  
Board of Directors  
**SPE Society of Plastics Engineers**  
Blow Molding Division/Education Awards Chairman

### Thomas E. Brady, Ph.D.

#### 1985 to 2006 - Plastic Technologies, Inc. (PTI)

President, CEO and Founder

**Plastic Technologies, Inc. (PTI)** provides the packaging industry with proprietary technical development, testing, specialty manufacturing and legal support services. PTI offers its customers a highly experienced professional staff supported by an integrated CAD design and information system network. **PTI** designs packages, tooling, molds and specialty machinery and occupies a state-of-the-art office/laboratory facility in Holland, Ohio which includes extensive plastic processing and forming machinery, comprehensive product and material testing laboratories, and pilot production and prototyping systems.

**PTI** specializes in high performance packaging for the beverage, food, household product and health care industries. **PTI** will design, prototype, and test entire packaging systems, including containers, closures, and secondary packaging components. **PTI** also offers expertise and development experience in plastics recycling, general analytical, physical and chemical testing, plastic resin and blend formulation, and proprietary product and process development. **PTI** designs and builds specialized handling and forming machinery and constructs complete prototype systems, when required.

**PTI's** management and senior staff offer more than 150 years of industrial experience, including fundamental R&D, product manufacturing, customer service, quality control, and product and materials development. **PTI** professionals will act as patent infringement and product performance and failure experts to customers and clients in the plastics industry.

Additionally, **PTI** provides its customers with specialized training in plastic materials, statistical process control, orientation blow molding, injection molding, PET packaging technology and advanced plastic processing. **PTI** also supplies plant engineering support, and plant start-up assistance to its customers.

Ninety **PTI** employees and professionals hold 54 patents for developments used by **PTI** and its joint venture companies, or which are owned and used exclusively by **PTI** customers.

**PTI** currently provides proprietary plastic packaging and technology development services worldwide to more than 100 clients located in the USA, Canada, South America, Europe, Australia, and Southeast Asia. **PTI** also develops and licenses proprietary technologies and proprietary products to the packaging industry, including internet-based computer design and simulation models (Virtual Prototyping™), LaserPlus™ an automated dimensional measurement gauging system, and an on-line Sonic Detection gauging system used for defect detection and process control in blow molding manufacturing operations.

**PTI** is wholly owned by **PTI** employees and has a track record of very low professional turnover over its 20-year history. **PTI** is recognized for "Providing World Class PET Technology, Operating with Absolute Integrity, and Being a

**Continued on the next page**



## **Great Place to Work.”**

**PTI** was recognized as Entrepreneur-of-the-Year in 1989 and again in 2005, as Small Business of the Year in 1995, and as “NW Ohio’s Partner in Progress” in 2001.

**PTI** has also established six subsidiary and affiliate companies.

**PTI-Europe** is located in Yverdon-les-Bains, Switzerland and provides prototyping, sampling, testing, training, consulting, engineering, and on-site technical support services to **PTI’s** European customers. **PTI-E** was established in 1998 as a Swiss corporation and is recognized as a premier PET technical development company in Europe.

**Phoenix Technologies, L.P. ([www.phoenixtechnologies.net](http://www.phoenixtechnologies.net))** utilizes proprietary technology developed by **Plastic Technologies, Inc.**, to produce recycled post-consumer PET for reuse back into consumer packaging applications. Located in a state-of-the-art manufacturing facility in Bowling Green, Ohio, **Phoenix** has been in continuous operation since 1992 and is the world’s largest supplier of both **LNO™** food grade and **NLP™** non-food grade recycled PET pellets. Phoenix licenses PET recycling technology worldwide and in 1999 received the first-ever “Letter of No Objection” from the US FDA for using patented technology to convert curbside recycled PET into food grade resin usable in direct food contact. Today, **Phoenix** has a capacity exceeding 80MM lb/yr and offers toll pelletizing, crystallizing, solid-stating to customers nationwide. **Phoenix** is an ISO-certified PET recycling company and received the Recycle Ohio Award in 2000.

**Preform Technologies, LLC** is a specialty injection molding manufacturing company that provides PET preforms and other specialty injection molded parts to **PTI** customers. **PTLLC** began operation in January 2003 and offers **PTI** customers continuous production capacity as well as options for producing market test quantities of PET preforms.

**PETWall, LLC** is a joint venture company equally owned by **PTI** and **PTI’s** partner, **Non-Contact International (NCI)** and develops and licenses proprietary high-speed on-line process control gauging technology to the packaging industry.

**Minus 9 Plastics, LLC**, is a joint venture technology development company that has developed and licenses patented nano-materials for use in packaging applications.

**PTI Investment Associates, LLC** was formed as an investment company for all **PTI** employees who wish to participate in **PTI** technology and capital project investments.

## **EDUCATION**

University of Michigan - Ph.D. - Engineering Plastic Materials – 1972

Dartmouth College - MS - Materials Science – 1968

Dartmouth College - BS - Engineering Science – 1966

## **HONORS**

“Philanthropist of the Year” – with wife, Betsy - 2006

“Entrepreneur of the Year – Finalist Great lakes Region” – Ernst & Young – 2005

“President’s Award” – Employers’ Association - 2005

“Alumni Merit Award” – Dept. of Materials Science & Eng., U of Michigan – 2002

“Partners in Progress Award” - NW Ohio Regional Growth Partnership – 2001

“Manager of the Year” - American Management Association - 1996

“Small Business Man of the Year” - Toledo Area Chamber of Commerce - 1995

“Entrepreneur of the Year – Northwest Ohio” - Ernst & Young – 1989

## **PROFESSIONAL AND COMMUNITY ACTIVITIES**

American Chemical Society

Polymer Processing Society

Society of Plastic Engineers

SSOE, Inc Architects & Engineers – Board Member

Toledo Area Small Business Association - Past Board Member

Toledo-Lucas County Port Authority – Past Board member

Toledo-Lucas County Regional Growth Partnership – Board Member

Lucas County Solid Waste Policy Committee – Industrial Advisor

Toledo Technology Academy – Industrial Sponsor

Toledo School for the Arts – Board Member

Northwest Ohio Eng and Technologies Education Foundation – Board Member

Ohio Polymer Strategies Council – Board member

University of Michigan College of Engineering – Alumni Advisory Board

University of Toledo College of Engineering – Industrial Advisory Board

University of Toledo – Board Member

University of Toledo - Chairman Institutional Advancement Committee

University of Toledo - Board Member, Office of Global Initiatives

Science and Technology Corridor Corporation - Board Member

Medical University of Ohio – Board Member

Toledo Museum of Art – Business Council

Toledo Symphony Orchestra – Board Member and Exec Committee member  
Toledo Zoo – Business Council  
Technology Action Board (Ohio) – Former Board Member  
Regional Technology Alliance – Founding Chairman and Board Member  
Third Frontier Advisory Board (Ohio) – Board Member  
Toledo Area Arts and Culture Strategic Planning Committee

#### OTHER INTERESTS

Building and restoring classic cars, Woodworking, Piano

#### PUBLICATIONS, LECTURES AND PATENTS

1. T. E. Brady, "Innovations in Packaging design," paper presented at the Ohio Polymer Emerging Technologies Forum, Columbus, OH, December 12, 2006.
2. T.E. Brady and E.C. Brady, "Striking a Balance," Convocation Speech given at the University of Toledo College of Engineering Convocation, May 6, 2006.
3. T.E. Brady, "Marketing New Technologies," Lecture at the University of Toledo Entrepreneurship Seminar, February, 2006.
4. T. E. Brady, "The PET Industry - Beyond 2005," presentation at Southeastern Container Planning Meeting, May 25, 2005.
5. T. E. Brady, "The Changing PET Profit Zone," paper and presentation at PET Strategies Conference, October 7, 2003.
6. T. E. Brady, "Becoming a Professional," address delivered at the Toledo Technology Academy Graduation Ceremony, June 4, 2003.
7. T. E. Brady, "Shaping the Future," address delivered at the University of Toledo Engineering School Honors Convocation, April 27, 2001.
8. T. E. Brady, "History of the PET Bottle Industry," Krupp Plastics Rubber and Machinery Company 25th Anniversary Celebration, June 20, 2000.
9. T. E. Brady, "Plastic Recycling", Northwest Ohio Center for Environmental Services, Toledo, Ohio, September 30, 1992.
10. T. E. Brady, "A Study and Review of PET/PVC Separation Technologies", The National Association for Plastic Container Recovery, Charlotte, North Carolina, September 14, 1992.
11. T. E. Brady, "Products Liability From a Plastics Perspective", Ohio Association of Civil Trial Attorneys, May 3 - 4, 1991.
12. T. E. Brady and F. E. Semersky, "Design For Plastic Packaging", FoodPlas '91, Plastics Institute of America Conference, March 4 - 6, 1991.
13. T. E. Brady, "Barriers to Technology-Based Business Development", Tech Ohio, Sponsored by Enterprise Development, Inc., Cleveland, Ohio, June 11, 1990.
14. T. E. Brady, "Commercial Recovery of Mixed Industrial Plastic Waste", RecyclingPlas, '89, Plastics Institute of America Conference, May 24 - 25, 1989.

*Continued on the next page*



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15. T. E. Brady, "Technology of Food Packaging", FoodPlas '89, Plastics Institute of America Conference, March 7 - 9, 1989.
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17. T. E. Brady, "Issues for the Future in Packaging", FoodPlas '87, Plastics Institute of America Conference, March 2 - 5, 1987, also Campbell Soup Company Packaging Technology Conference, March 25, 1987.
18. T. E. Brady, "Innovations in Plastic Packaging", Matrix Technologies Annual Technology Seminar, February 19, 1986.
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28. T. E. Brady, "Fiber Suspension Flow in a Tube", MS. Thesis, Dartmouth College, 1968.
29. U.S. Pat 4,233,022, Heat Setting of PET Containers.
30. U.S. Pat 4,153,667 Oriented PET Containers.
31. U.S. Pat 4,482,518, Plastic Article Shrinkage Reduction.
32. U.S. Pat 5,740,934, Container with Vertical Stiffening in Central Panel.
33. U.S. Pat 5,803,289, Container having Disappearing and Reappearing Indicia.
34. NZ Pat. 319,395, Container With Stiffening in the Central Panel,
35. US Pat 6,066,287, Gas Assist Injection Molding

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Director – SPE Blow Molding Division



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## NEW D30 DIVISION MEMBERS

<b>Division members with 45 years of continuous membership in the SPE</b>		<b>Category</b>
Anthony Brusca	Alba Enterprises Inc.	
William G. Camp		EM
Robert D. DeLong		EM
Glenn J. Eberle		EM
Frank G. Hohmann	FGH Systems Inc	EM
Alfred L. Mathews Jr.		EM
William K. McConnell Jr.	McConnell Co Inc	EM
Stephen A. Orroth Jr.	University Massachusetts Lowell	
Don L. Peters		EM
Stanley F. Raber		
<b>Division members with 44 to 40 years of continuous membership in the SPE</b>		
Lewis Ferguson	Parisons	EM
James Park	Paarlo Plastics Inc	EM
M Parthasarathy		EM
Robert A. Slawska		
Jack St Pierre	Packaging Consultants Co	
Paul G. Strong	Poly-Tainer Inc	
<b>Division members with 39 to 35 years of continuous membership in the SPE</b>		
Jerome A. Borchert		EM
Donnie G. Brady		
Glauco E. Curetti	Altacom SA	EM
Paul E. Geddes		
Ernest Hollo Jr.	Hollo Plastics Equipment Inc	
Saleh A. Jabarin		
Robert R. Jackson	Jackson Machinery Inc	
Peter Jurgensen	Bangpoo Ind Est	
Robert J. Kleckauskas	Arrow Plastic Mfg Company	
Russell J. Labelle	Willmington Machinery	
Earl V. Lind		EM
Manfred Lupke	Corma Inc	
Steven Nielson	Seton Scientific Co	
Michael E. Ryan		
Ronald Seevers		EM
Richard K. Smith	Agri Industrial Plastics Co	
John Vlachopoulos	McMaster University	
Dan Weissmann	D W & Associates	
Ernest D. Wunderlich		EM
<b>Division members with 34 to 30 years of continuous membership in the SPE</b>		
Robert Callender		
Brian L Connell	Carris Plastics	
Piaras V. De Cleir	Kraft Foods	
Wayne A. DeCamp		
Claude F. Elgner	Elgner Group Investments LTD	
Mark B. Heitker	Ineos Olefins & Polymers	
Gary Henneberry		
Paul J. Huspeni	Corning Cable Systems LLC	
GHJ Jonkers		EM

Continued on the next page

Roger B. Justice	
Suppayan M. Krishnakumar	
Frederick J. LePenske	
John J. McGarry	
James Meinert	EM
John R. Rathman	Chevron Phillips Chemical Company
Glen B. Settlemoir	
William Slat	
Andrew Wnuk PhD	Procter & Gamble Inc
Michael P. Zielinski	Amcor PET Packaging

### **Division members with 29 to 25 years of continuous membership in the SPE**

Kenneth Alley	Management Recruiters Inc	
Mark Barger	Dow Chemical Co	
Samuel L. Belcher	Sabel Plastechnics Inc	EM
Edwin Boudreaux Jr.		
Joseph L. Caro	Custom Molders Group LLC	
Charles P. Chirdon	The Bilco Company	
Soeren Dromph		
Kenneth Eaton		
W. Benjamin Evans II		EM
Frank E. Faria		
Morgan Gibbs	Ampacet Corporation	
Lance Goldberg	H L G Inc	
Augusto Gomez		EM
James W. Haring	Silgan Plastics	
David Hidding	Dana Molded Products Inc	
Alfred Hodge	R&B Plastics Machinery	
Donald C. Hollenbeck	Craig Technologies Inc	
George E. Hurden	Custom Process Solutions LLC	
Carlos Irizarry		
Mark Kallman		
Frank P. Leigner	Kraft Foods	
Koby Loosen	Preproduction Plastics	
John F. McNamara	Namarco Inc	EM
Wolfgang Meyer		
Melvin O'Leary Jr.	Meredith-Springfield Associates	
Robert Pabst		
Ramon E. Poo Sr.	Altira Inc	
Nicholas J. Rajkovich	Gem City Plastic Mach Inc	
Robert G. Relyea	Thermofisher Scientific	
Terry D. Sailor	Sailor Plastics	
Pallatheri M. Subramanian	SPM Technologies	EM
Takehiko Sumi		
Michael D. Urquhart	Husky Injection Molding Systems	
Rolf Weingardt	Graham Engineering Corporation	
Irvin Zimny	Liquid Container LP	

### **Division members with 24 to 20 years of continuous membership in the SPE**

Donald S. Aikin	Don Aikin & Associates, LLC	
David C. Anderson		EM
Walter W. Axnick	Jackson Machinery Inc	

Continued on the next page

Patrick Beirne	Mergon Group Ltd	
James R Bell		
Clyde J. Bohne	ExxonMobile Chemical Co	
Steven H. Brown	Jomar Corporation	
David M. Busby	Berry Plastics Corporation, Setco LLC	
G. Edward Campbell	G E Campbell & Associates	
Gary Carr	Bekum America Corporation	
Casper W. Chiang	Clorox	
Mark A. Clause	Almega Plastics Inc	
John B. Daly	Constar International Inc	
Russell P. D'Angelo	Davis Standard LLC	
Vincent T. Davies	Vi-Jon	
Barry D. Dean		
William J. Donovan		
Brian L. Dowler	Graham Engineering Corporation	
Richard L. Dunlap		EM
John G. Ferguson	Scepter Corporation	
Joseph S. Gano Jr.		
John J. Hahn	MGS Tech Center	
Francis Hannay		
David C. Holliman	Chevron Phillips Chemical Co LP	
Thomas R. Houdeshell		
David Hylander	Berry Plastics Corporation	
Christopher Irwin		EM
Alan P. Kaufman		
Kees Killestyn		
Joseph Kutka	GLS Corporation	
Vic Lust	Johnson & Johnson Vision Care Inc	
Robert D. Northrup	Plast Equip Inc	
Jay H. Olson		
James P. Parr	ExxonMobil Chemical Co	
John Perdikoulis	Compuplast International Inc	
Tony I. Pringle		
Mike S. Profetto	Gold Eagle Co	
Dennis Purwin	Pur-Fect Plastics	
Edward P. Richard		
Alex Rom-Roginski	Colortech Inc	
Fred Schmidt	Igloo Products Corporation	
James Seidewand	Resin Technology LLC	
Eli F. Silva		
Scott W. Steele	Plastic Technologies Inc	
Vijay K. Stokes		
Bernard Strong	Strong Plastics Engineering Inc	
Louis Tacito	Plastics Forming Enterprises	
William J. Teevans	Liquid Container	
David A. Teneyck	CCW Products Inc	
Peter Tremmel	Salga Associates	
Mario J. Triboletti	Alcan Packaging	
Henry Vogel	Heise Industries	
Steven S. Wagener	Toledo Molding & Die	
Charles J. Walls	Bekum America Corporation	
James C. Wang		
J. Deryck Whiteley		



## Executive Meeting

Issues reviewed:

- \* 10/09 revenue \$65k / \$40k cost
- \* Administrative Assistant (Evaluation)
  - ✓ Priorities
  - ✓ Sponsors & Follow-up
  - ✓ Job Leads
  - ✓ Time allocation (Scott Steele)
- \* Revenue Committee (Group)
- \* National Fund Investment (\$180k interest down from 4% to 2%)  
(2008 \$60k out / 2009 \$60k out)
- \* National Staff reduced from 44 to 14
- \* Adjustments at National
- \* Review different financial options (long term money management)
- \* Reviewed the mechanics of the Operating / Treasury / Grant / Disbursement Funds



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## Board of Director's Meeting

Minutes of the Board of Directors of the Blow Molding Division of SPE,  
Meeting held on Oct 06, 2009 @ 12:45 MSU East Lansing, MI.

Call to order at 12:45am

BOD Members present: Benjamin Lopez, Scott Steele, Jonathan Meckley, Mridula Kapur, John Rathman, Terry Glass, Geoff Ward, Gerald Hobson, Mark Heitker, Jeff Light, Lewis Ferguson, Mark Barger, Ron Puvak, Daryle Damschroder, Gary Carr, Gerald Hobson, Bob Jackson, Geoff Ward, Kyle Grodzinski

BOD Members Excused: Win Burrington, John Headrick, Clyde Bonhe, Jonathan Meckley  
2 interested candidates invited and confirmed dinner meeting:

- Henry Vogel, Heise Industries
- Cal Becker, Eastman Chemical

✓ Officers position reviewed and approval (2009 – 2012)  
(motioned by Ron Puvak and Lewis Ferguson – approved Oct 06, 2009 @1:22pm)  
✓ Directors position reviewed and approval (2009 – 2012)  
(motioned by Bob Jackson and John Rathman – approved Oct 06, 2009 @1:30pm)  
(vote accepted Oct 06, 2009 @1:32pm)  
(Randy Moynihan – approved Oct 06, 2009 @1:36pm)

Continued on next page



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John Palazzola - President

❑ **Treasurer's Report – Terry Glass**

Subject: Fall Treasurer's Report

The Audit Committee will Review our financial records during the October BOD meeting. The Audit committee will need to decide on an investment strategy for CDs and the \$60,000.00 transferred from the Operating Prudent Reserve Surplus. The SPE Annual Financial Report for the fiscal year 7/1/08 – 6/30/09 is complete and will be sent to the BOD. Our non-profit organization 501(c)(3) tax return, form 990, will be completed by November 15, 2009.

Since the July 1<sup>st</sup> 2009 - Start of Our Fiscal 2009 – 2010 Year

Operating Fund Highlights

Expenses

\$ 4628.00 Web Support  
\$ 1084.32 Recognition Place Bartlesville  
\$ 91.92 Misc  
\$ 4000.00 Probe  
\$ 9804.24 - Total

Income:

\$ 1.33 – Interest  
\$ 288.30 – SPE Membership Rebate  
\$ 36,122.05 – ABC Registration and Sponsorship Contributions  
\$ 36411.68 – Total

Operating Fund Balance as of October 3, 2009 – \$57,855.66

Continued on next page

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The advertisement features a blue background with several images of industrial blow molding equipment and finished plastic products. The equipment includes large size machines, single and double-sided shuttle machines, high-output systems, and tandem blowing machines. The finished products include extrusion PET bottles, co-extrusion bottles, and sterile blowing bottles.

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Single & Double-Sided Shuttle Machines

High-Output Systems

Tandem Blowing

Extrusion PET

Co-Extrusion

Sterile Blowing

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## Disbursement Fund Highlights since July 1<sup>st</sup> 2009 - Start of Our Fiscal 2009 – 2010 Year

### Expenses

\$ 13,500 - Scholarships / Awards  
\$ 3,624 - publications (ADC Printing)  
\$ 17,124 - Total

### Income:

\$ 10,000.00 - CD Maturity  
\$ 202.16 - Interest  
\$ 10,202.16 – Total

Grant Fund Balance as of October 3, 2009 – \$70,645.08

### Grant Fund Highlights:

Currently earning 1.5 % interest in the SPE Investment Plan (about \$150.00/month).

Our 3 fund's balances at fiscal year end were:

<u>Fund</u>	<u>Balance</u>
Operating	\$ 57855.66
Disbursement	\$ 70,645.08 + (\$15,000 in CDs)
<u>Grant</u>	<u>\$ 119,947.01</u>
Total Funds	\$ 248,447.75

Voted and 2/3 vote met approved Oct 06, 2009 @ 13:51  
(Ron Puvak – motioned Daryle Damschroder second)  
(Adjust the scholarship allowance from \$8000 to \$6000)

Continued on next page



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Industry's highest production is made possible by a proportionally controlled, high-speed, hydraulic clamping system. It is just one of the exclusives offered by our versatile lines. Others include a screen changer combined with our Shot Pot technology and the XBM Navigator™ PC Blow Molding Controller, which can be expanded with optional 100-point parison programming, for effective lightweight bottle production.



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□ **Councilor's Report – Mark Barger**

Council Summary (Oct 06, 2009 @15:05)

SPE President Bill O'Connell called the meeting to order.

President O'Connell presented his comments on the year to date and the goals for the meeting. President O'Connell stated that this is the first Council meeting with electronic participation. Those participating electronically have a voice but no vote in this meeting. President O'Connell talked about all the Sections and Divisions that he has visited and his plans for the rest of his term.

Executive Director Susan Oderwald pointed out that increasing revenue is important to the Society's survival and that attracting new members is vital. Investments in our Internet technology are expected to help attract new members. The proposed budget assumes membership numbers stabilized at 2008 end-of-year levels. Other revenue-boosting ideas including corporate outreach are actively in process.

Elections

Council elected the following individuals as Society officers for the 2009-2010 term, which begins at AN-TEC (June 22-24).

President-elect – Ken Braney

Senior Vice President – Russell Broome

Vice President – Brent Strong

Non-officer position: Chair for the Council Committee of the Whole - Helen Basso (2009-2010)

Treasurer's Report

SPE's financial position is continuing to erode as the year wears on. Lower revenues are the key issue.

Continued on next page



The advertisement features a large, green, blow-molded plastic jug in the foreground, resting on a white surface with a green and blue line drawing of a car. In the background, there is a blue-tinted image of industrial machinery. The Kautex Maschinenbau logo is in the top right corner. The main headline reads 'Turning New Ideas into Blow Molded Products'. A testimonial from a man is on the right, followed by a description of Kautex's services and the tagline 'Your Future in Plastics'. The website and contact information are at the bottom.

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Expenses are generally running at or below budget, but not enough to make up the difference in lower revenues. SPE is looking at restructuring its operations in the last quarter of 2009 to be better positioned financially for 2010. The consolidated statement and dashboard can be found at the end of the Councilor's report.

### Budget

The major Council action was the approval of the 2009 calendar-year budget. A full write-up on the budget was distributed to Councilors and to all Section and Division Board members in preparation for this meeting. The budget that was approved calls for gross income of \$4,840,000, direct expenses of \$4,787,500, and a net income of \$52,500. Of particular note is that rebates to Divisions and Sections will be reduced by 2/3.

Council approved the budget unchanged from the original presentation.

### Bylaws & Policies

The Bylaws & Policies Committee submitted items for consideration by Council:

#### Bylaws for Second Reading and Vote

- 7.4.3 Election Date
- 14.7.10 Foundation
- 17.6 Temporary Suspension of a Bylaw

#### Electronic Participation

- 5.1 Annual Business Meeting
- 5.3 Quorum
- 5.4 Special Business Meetings
- 6.2.2 Council Meeting Times and Places
- 6.2.3 Quorum
- 14.7 Participation and Voting

Continued on next page



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## Governance Downsizing

6.1.3 Council

7.1 Officers of the Society

7.5.5 Staggering of Terms

14.7.1.1 Executive Committee Membership

Policy 022 Vice Presidential Transition

## Policies for Council Review and Vote

Policy 015 Special Interest Group Establishment

Policy 016 Student Chapter Establishment

Policy 020 Code of Ethics

Policy 021 Embargoes and Sanctions

Council voted to approve all items as presented.

## The SPE Foundation

SPE Foundation Managing Director Gail Bristol updated the Council on the status of the Foundation. She reviewed the grants and scholarships presented so far and noted that the Plastics Pioneers have established a PlastiVan matching-grant program. Foundation finances are tracking well and the Foundation is healthy. The Foundation will be folded back into SPE effective December 31, 2009, as previously approved by Council.

## SPE Awards

The SPE Celebrates award ceremony will take place at a luncheon between the two Council meetings on Sunday prior to ANTEC@NPE. SPE will present the International Award, Business Management Award, and Education Award at the Plastics Academy Hall of Fame Dinner on Monday evening at NPE.

## Committee Meetings

Fifteen committees met prior to the Council meetings. The following Committee/Officer Reports were given at the Council meeting:

### **Sections Committee Report**

Councilor Helen Basso, Chair of the Sections Committee, reported on the activities of the Committee. The Committee approved the reactivation of the France Section and the merger of the Palisades and New Jersey Sections. The new Section will be called the Palisades/New Jersey Section.

### **Divisions Committee Report**

Councilor Dale Grove reported on the activities of the Divisions Committee. The Divisions Committee recommends that the New Technology Committee approve the merger of the Radiation Processing of Polymers Europe and Radiation Processing of Polymers North America SIGs. The new group will be called the Radiation Processing of Polymers SIG.

### New Technology Committee Report

Councilor Prithu Mukhopadhyay, Chair of the New Technology Committee, announced that the New Technology Symposium will be held on November 11 and 12, 2008.

## ANTEC Committee Report

Councilor Bill Arendt, Chair of the ANTEC Committee, noted that paper submissions are up for this year's ANTEC.

## Communications Committee Report

Councilor Roger Kipp, Chair of the Communications Committee, reported on the activities of his Committee. The new member handbook is a key output of this team. His Committee also had input into the new SPE website.

Continued on next page

## Council Committee-of-the-Whole

Brent Strong, Chair of the Committee, conducted the meeting prior to the formal Council meeting. Items discussed at this meeting included rebate structure, status of the Society, student activities update and remote Council participation.

### 2009 Operating Plan

President-elect Anderson gave Council his thoughts on the 2009-2010 operating plan. He highlighted the emphasis on further engaging Generation X and Generation Y in SPE membership and activities. Key strategic objectives are: membership growth through increasing benefits focused on Generations X and Y; and revenue growth through new partnerships, licensing, and broader marketing efforts to grow non-dues revenue.

Tactics will include continued improvements to the SPE website, corporate outreach, getting the most out of our participation in ANTEC@NPE, and implementation of new technical forums like virtual conferences.

### Virtual Conference Demo

SPE Senior Event Manager Lesley Kyle explained the virtual conference that SPE will be hosting in March 2009. This will be a two-day conference using live and recorded presentations, a "cyber lounge," and a virtual trade show. The cyber lounge will be a chat room environment. This event is expected to be attractive in a down economy, in which attendees may otherwise be subject to travel bans and restricted travel budgets. It is also expected to attract individuals from Generations X and Y. The Failure Analysis & Prevention SIG has stepped up to co-sponsor this first virtual conference. A demonstration of the virtual conference technology was shown to Council.

## □ **Education – Geoff Ward**

Subject: ABC Education Committee Report – Activities since ANTEC BOD Meeting

The Education and Awards Committees met October 6, 2009 in East Lansing, MI.

Memorial Scholarship program:

Our current scholarship recipients are:

Marcus Gardner – Ferris State University – 1<sup>st</sup> year \$8000 Carrie Fox Solin Memorial Scholarship

Evan Perkins - Ferris State University – 1<sup>st</sup> year \$8000 ExxonMobil Chemical Company Scholarship

Jessica Patz - Penn State University Erie – 2<sup>nd</sup> year \$8000 Carrie Fox Solin Memorial Scholarship

Our new scholarship recipients have been invited to and plan to attend the ABC 2009 Conference.

Dr. Lawrence Solin intends be present for the Carrie Fox Solin Memorial Scholarship presentation at the ABC banquet.

Our scholarship program is being managed through the SPE Foundation. Program info can be found at the SPE website. <http://www.4spe.org/foundation/scholarships.php>

2009 Corporate Educational Sponsors:

ExxonMobil Chemical Company contributed \$5000 to our education fund again earlier this year. Thanks again to Bob Fitch and Clyde Bohne!

Graham Engineering Corporation supports the Continuing Education Grant Program. Their annual contribution of \$2000 has been received. 2010 is the final year of Graham's commitment, and \$1000 is anticipated to complete their pledge of \$15,000.

2009 Student Design Competition:

The following entries were selected as this year's winners earlier in the year.

1st place - \$1000 - Brad Beers - Extrusion Blow Molded Orthotic Devices

2nd place - \$500 - Zachary Stefanik- Poly-Hanger Hang-on Tree Stand

3rd place - \$300 - Steve Parrish - Extrusion Blow Molded Gun Stock

Continued on next page



The winners have been invited to and will attend the ABC2009 Conference, and each will have a display poster of their projects.

Graham Engineering Corporation Continuing Education Grant Program (Former Workplace Scholarship): Three grants were awarded recently, all for use toward attendance to the ABC 2009 Conference. Two were selected from Paarlo Plastics, and one from Agri-Industrial Plastics.

#### Blow Molding Division School Grant Fund:

Grants from The SPE Foundation/Blow Molding Division are available to educational institutions seeking funding for the purchase of blow molding equipment or educational resources pertaining to blow molding. Eligible items include machinery, installation, tooling, auxiliary equipment, instrumentation, controls, finishing equipment, software, and training or educational modules. This program is promoted by the SPE Foundation, for information go to <http://www.4spe.org/foundation/blowmoldinggrant.php>.

An application has been received from Pittsburg State for up to \$3150 for enhancements to their blow molding curriculum. The main portion is donation of a Cincinnati RHB-1 Stretch Blow Molding Machine, including rigging and shipping, electrical and plumbing installation, and a new air booster. Also included in the proposal is a new temperature controller for their Kautex KEB-1 Extrusion Blow Molding Machine. This application has been approved by the Education Committee, contingent on receipt of supporting documentation.

#### ABC 2009:

We invited students and faculty from the plastics programs at Ferris State U, Penn State Erie, Pittsburg State, and the MSU School of Packaging to be our guests, and representatives from each school will be in attendance. Invitations were also extended to Toledo, Grand Rapids Community College, and Kettering, however no students will be attending from either of these schools. A complimentary tabletop to promote their programs was offered in the sponsor area, and FSU, PSU-Erie, and PSU will be displaying. \$4500 was originally budgeted for student/faculty travel assistance for the ABC, and the committee agreed to add the unused \$500 from the ANTEC 2009 Student Activities for a \$5000 total budget. This will include assistance for our current scholarship recipients and design competition awardees.

*Continued on next page*



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We discussed the potential for a "Job Fair" for student attendees involving resume distribution and an area for introductions. Rather than a specific area, the students that are displaying at the tables have been asked to bring resumes to hand out. We will need to evaluate effectiveness of this approach.

#### PlastiVan:

Bekum volunteered to cosponsor and assist in making local arrangements to coordinate between the PlastiVan and area schools during the ABC 2009 week. During the week, the PlastiVan will visit a local high school, two middle schools, and an elementary school.

#### Web Site:

The Education Committee section of the web site was updated earlier this year, however continuous monitoring and updating is needed. The possibility of adding an area for resume posting has been discussed. No action has yet been taken, and further discussion and planning is needed on this topic.

#### Awards Subcommittee:

No new nominations have been received for Fellows or Honored Service. The deadline for the 2010 election is October 20, 2009. Are there any outstanding applications from prior years that could be submitted this year? We also need to start looking for worthy candidates for the 2010 Lifetime Achievement Award.

The committee extends its thanks and gratitude to the former committee chair, Mark Heitker, for his years of service in that role. Thanks also go to Mark for his efforts this year in helping with a smooth transition to the new chair.

#### ❑ Newsletter - Ron Puvak

##### Newsletter – Interest and Topic Leaders

- ✓ PET SBM column – Scott Steele.
- ✓ Column Extrusion blow – Gary Carr.
- ✓ Industrial Blow Molding column – Ben Lopez.

Continued on next page



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PEOPLE WHO FIND SOLUTIONS

Techne will be present at  
  
K 2007 HALL 14  
14 B 05

- ✓ Injection Blow Molding column – Ben Lopez.
- ✓ Material forecast – Open
- ✓ K07 product review
- ✓ Focus on highlights / key issues
- ✓ Open participation to the BOD
- ✓ Survey – ABC input
- ✓ Newsletter review (focus on highlights & key issues)
- ✓ Rework our Mission Statement – Gary Carr

Action Item: Full board support is needed to provide content.

Most recent Newsletter was all ads!

- Publish by:
  - ✓ ABC 2009 wrap-up
  - ✓ PET SBM column – Scott Steele.
  - ✓ ABC 2009 presentation – one selected
- News Briefs
- Focused columns could be generated.

#### ❑ **Membership – Lew Ferguson**

- Primary – 514
- Secondary – 346
- Total – 860

2007 Through December 31:

2007 New 203 > Primary 112 + Secondary 91 = 203

2007 Suspended through December > 184

2008 Through September 30

2008 New > Primary 49 + Secondary 57 = 106

2008 Suspended through September > 160

D-30 membership is down in September 2008 compared with 2007, as is the Total SPE Membership. Or percentage of Primary Members in D30 and our percentage of Primary Members in the SPE Total have decreased marginally. Since 2005, D30 remains consistent at about 5.2 % on the total SPE membership, primary = 3.0 %

Action item: Lew to provide a listing of suspended members.

- ✓ To be contacted by board members that know them.

#### ❑ **Sponsorships – Jeff Light**

- ✓ Major groups to market
- ✓ Resin Suppliers
- ✓ Mold Makers/Secondary Operations
- ✓ Machinery Manufacturers
- ✓ End-users
- ✓ Will begin new cycle Update Sponsorship materials to web site. – will work with Babli on this.
- ✓ Jeff and Deirdre have proactively contacted 2008 sponsors with generally promising feedback on continuation in 2009.

Action Item: Jeff and Deirdre are urgently asking for board referrals for 2009 sponsorship.

#### ❑ **Web Site – Babli Kapur - Updated Site Layout:**

- Home
- Sponsors
- Conferences
- Educational Activities
- Technical Information
- Industry Links (roll industry links under blow molding references)
- Blow Molding References
- What's new?

Submenu Details:

Continued on next page

- ✓ Mission statement (page 3, 2<sup>nd</sup> click) – J.M.
- ✓ BOD Member list - All
- ✓ Chair message – J.M.
- ✓ BM Division Activities (brief activity list) – J.M.
- ✓ Current year BOD meeting calendar – J.M.
- ✓ Quarterly Newsletter – R. Puvak
- ✓ Award winners – J.M.

Focal point (responsible for compiling information for this section): J. Meckley

#### Sponsors: (Conferences)

- ABC Conference (general information - what it is about; listing of past conferences; posting of prior year agenda; prior year attendees list; location and agenda of current year conference) Focal Point to provide info: ABC co/chairs  
Link to ANTEC-NPE [SPE & Plastics Industry Event Calendar](#) Focal Point info: ANTEC Co/chairs
- Link to other conferences

#### Educational Activities:

- Undergraduate Scholarships
- Continuing Education Grants
- School Blow Molding Grant Program
- Student Blow Molding Design Competition  
[Corporate Supporters of Our Educational Programs](#)  
Direct Contributors include: Focal Point: M. Heitker
- Captive Plastics, Inc.
- ExxonMobil Chemical Company
- Graham Engineering Corporation

#### Technical Information:

- History of blow molding ([S. Steele](#))
- Resin types, advantages/disadvantages, properties, test methods (B. Fitch, J. Rathman, M. Heitker, W. Galla, [B. Kapur](#))
- Fabrication methods: EBM, IBM, ISBM (B. Jackson, S. Steele)
- Types of equipment, molds, tooling ([B. Lopez](#), G. Carr, K. Grodzinski, D. Damschroder)
- Troubleshooting
- Overall focal point: J. Headrick

#### Blow Molding References:

1<sup>st</sup> click on BM refs will show topics listed below. 2<sup>nd</sup> click on each topic will bring up a submenu as shown in following slides. 3<sup>rd</sup> click on sub-submenu topics will take user to pertinent website. No more than 3 clicks on BM webpage to access information.

- ✓ Industry links
- ✓ Past ABC (L. Ferguson to send Babli) and ANTEC Blow Molding Division Papers (subject to permission from SPE)
- ✓ Key Blow Molding Web Sites, Books and Other Media
- ✓ Schools with Blow Molding Programs
- ✓ (Picture Gallery – idea rejected)

#### Industrial Links:

- Resin Producers
- Equipment Manufacturers Converters
- Brand Owners e.g., Food & beverage, HIC BM, PC&T, LPBM, etc.
- Regulatory

#### Past ABC and ANTEC Blow Molding Division papers:

- ABC Conference Archive
- ANTEC Blow Molding Division Archive

#### What's New:

Continued on next page



- ABC Conference
- Display BOD voted best papers from previous year's ABC & ANTEC BM Division
- Quarterly BM Division Newsletter link

Future ABC Planning/Marketing / Future Conference Hot topics:

- Plastics Sustainability Education
- Recycling
- Legislation
- Automotive/EPA small engine rules & regulations
- Design/Innovation
- Processing
- Call for papers at ABC 2010

Action: Partner with MSU School of Packaging, offer \$2000 contribution and free student seats in the ABC 101's on Thursday morning. In return we want the School to mail to alumni the conference info and host a tour on Tuesday afternoon.

#### □ **Marketing – Gary Carr**

Action Item: ABC 2009 Report

- Could sponsor the conference use Nissei, Sidel, Silgan,
- Where is the facility located?
- Registration, program, CD's/copies needs to be us.
- ABC 2010 Market programs
  - ✓ Site location will be Atlanta.
  - ✓ Multiple opportunities for attendees.
  - ✓ Local support needs defined.
  - ✓ Set up duties and 20% of net revenue
  - ✓ Scott will be the lead person.
  - ✓ ANTEC 2010 May 16 – 20 Orlando, FL
  - ✓ Call for papers at ABC 2011
  - ✓ ABC 2011 Market programs
  - ✓ Site location could be Chicago, Toledo, or East Lansing again.
  - ✓ Call for papers at ABC 2012
  - ✓ ABC 2012 Market programs (NPE Year)
  - ✓ Site location could be Chicago.
  - ✓ Multiple opportunities for attendees.
  - ✓ Local support needs defined.
  - ✓ Where is the facility located?
  - ✓ Call for papers at ABC 2013

Continued on next page



OLD BUSINESS:

No old business issue

NEW BUSINESS:

- i. Leadership Roles
- ii. Speaker list / Alternatives
- iii. News Blast
- iv. Winter Meetings - Alternatives
- v. Table Top Return Policy
- vi. Review rerouting for Securing Funds
- vii. Seek Consul Advice on Investing Regulations
- viii. Make recommendations to secure Grants / Funds
- ix. Reinstate / Structure - Financial Review Committee (Scott Steel)
- x. Non active member call back
- xi. June conference call in
- xii. Updated SPE logo information is posted to <http://www.4spe.org/logo-resources>
- xiii. Resubmit follow / service award (timing and paperwork)
- xiv. Lifetime achievement candidates review
- xv. Website approach to data exceptions
- xvi. Mark Heitker to assume the responsibilities of the BOD Secretary

ADJOURNMENT:

Called motion to adjourn (Ron Puvak / Mark Heitker - motioned) - approved @ 16:00

**The Blow Molding Division  
Education Committee has  
received annual contributions  
from two continuing special sponsors:**

**ExxonMobil Chemical Company**  
**has donated**  
**\$5000**  
**to support our**  
**Undergraduate Scholarship**  
**Program.**

**Graham Engineering Corporation**  
**has donated**  
**\$2000**  
**for ongoing**  
**support of our**  
**Continuing**  
**Education Grant Program.**

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