



SOCIETY OF PLASTICS ENGINEERS

BLOW MOLDING DIVISION

Volume 2008 Edition 4

Lifetime Achievement Award



On October 8th, Dick Smith was presented with the Lifetime Achievement Award from the Society of Plastics Engineers at the Annual blow molding conference in Bartlesville, OK. In attendance at the Award ceremony were his wife Judy, his son Brian, daughter Lori, and several managers from AGri-Industrial Plastics Company including: Geoff Ward, Rob Pettit, Mick Stielow, Greg Baumann, Doug Robison, and Brett Ferrel. The award was in recognition of Dick's contributions to the blow molding industry over the past 40 plus years.

An engineer by trade, Mr. Smith worked in Hartford, Connecticut, St. Louis, Missouri, and Bonaparte, Iowa, before opening Agri-Industrial Plastics Co. in Fairfield, Iowa, in 1978. What began as a small factory with four employees and one blow molding machine has grown today to a plant that houses 21 machines and 120 employees. With a guiding principle of putting the customer first, Smith is proud to say that along with a diverse array of plastic parts, the company is still producing pig feeders for the same client who placed the first order 20 years ago.

Smith has seen many changes in the plastic blow molding industry since its beginnings in the 1970s. Through his engineering work at companies such as Monsanto and Schleuter Manufacturing, he became familiar with the processes—and benefits—of blow molding. When in 1978 it was time to venture out on his own, he decided to start a company that would focus on plastic blow molding. "I had worked for 10 years in this type of industry so I had a background as far as the process goes and I could see new applications coming," says Smith. "It is great to see how far the entire blow molding industry has come."

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Chairperson's Message



Hello,

When I sit back and look at this year, it has been very good. I received tenure in May and shortly thereafter the ANTEC "Best Paper" award in the Injection Molding Division. And I have really enjoyed working with the Blow Molding board. They are a great group to work with.

SPE is a volunteer organization and it is always good to have hands to help. We could always use more people on the board. We are doing some nice programs, such as our ABC and helping the colleges that are teaching the next generation of Blow Molders. Please contact me or any member of the board, if you want to help.

It was good to see some of you at the ABC in October. I saw some old friends as well as some new ones. We had a good crowd at the conference. We had a great program. If you missed it, you missed a great opportunity to see where the industry is going and network.

We are looking for some speakers and topics for next year's ABC in East Lansing, MI. We will be putting the preliminary program together in February. If there are any topics that you are interested in for next year, please contact me or anyone on the board.

I wish you a Happy Holidays and hope that you have a successful and productive New Year!

Jon



Lifetime Achievement Award from Pg. 1

Education:

University of Iowa, 1960 Degrees: Industrial Engineering and Mechanical Engineering
Rensselaer Institute of Technology, New York 1965 Masters in Business Administration

Employment:

1962 - Plax Company. Hartford, CT
Development engineer for blow molded pharmaceutical bottles (Excedrin, Bufferin)
1967 - Monsanto bought Plax Company. St. Louis, MO
Transferred to Monsanto Headquarters working on strategic planning.
1970 - Schleuter Manufacturing
Set up Schleuter's plastics division: water coolers and ice chests (Arctic Boy)
1974 - Corry Machine Bonaparte, IA
Set up their plastics division: gas tanks, oil and chemical bottles
1978 - Agri-Industrial Plastics Company Fairfield, IA
Founder and owner. In June of 2008, Agri-Industrial celebrated 30 years in business.
The company specializes in large part industrial blow molding.

24th Annual Blow Molding Conference ABC 2008 October 8 - 9, 2008

A GREAT CONFERENCE AGAIN!

Lots of valuable information was presented and there were special networking opportunities for the 150 attendees. ABC-2008, the Annual Blow Molding Division Conference, was held in Bartlesville, Oklahoma, at the Bartlesville Community Center and the Chevron Phillips Chemical's Plastics Technical Center. There were 12 Technical Sessions with terrific presentations by 33 speakers, ranging from machine innovations to die shaping to environmental issues.

Industry sponsors provided 20 displays, with two additional university displays.

After the first day of technical sessions, an Awards dinner held at Woolaroc Museum honored the Division's scholarship recipients, Lifetime Achievement recipient [Richard Smith, founder of Agri Industries] and Education awards. The second day included a lab tour at the Chevron Phillips Chemical's Plastics Technical Center with Testing Demos and Processing Demos on six blow mold machines. The Conference attendance and profits were smaller than planned because of current economic constraints. Profits from the Conference and corporate sponsors are part of the Division fundraising efforts used to support the Division scholarship and industry education programs.

On behalf of the Blow Molding Division Board of Directors, a special thanks to our presenters, conference sponsors and exhibitors, SPE Oklahoma Section volunteers and to Chevron Phillips Chemical Company for hosting a laboratory tour, demonstrations and for financial support.

Plan to attend
the 25th Annual Blow Molding Conference
ABC 2009, October 7-8
Michigan State University in East Lansing, MI.

Lewis Ferguson and John Rathman -
ABC 2008 Conference Co-Chairs

Student visitors to the ABC2008

The Blow Molding Division was pleased to have hosted 16 students and faculty from the Pittsburg State University including Nick Cruz one of our current scholarship recipients. Matt Zimbicki, who exhibited his winning entry to our Blow Molding Design contest, and Dan Demsey, another one of our scholarship recipients, also attended as our guests from Penn State University at Eire.

Both student groups setup tabletop displays in the exhibit hall to promote their Plastic Engineering programs to the ABC attendees.



Nick Cruz Pittsburg State University



Penn State student group

We are all being inundated with the latest buzzword environmental policy – Sustainability.

Those of us who have been around the packaging industry for some time remember that the environmental lobby started attacking plastics with anti-littering campaigns. The environmental lobby was all over plastic producers because consumers were irresponsible and littered soda bottles and fast food cups. It was our fault that they couldn't be bothered to have a trash can in their cars. Then we all learned that plastics were responsible for over flowing landfills. Then there was the big push to recycle more. Finally arrives Sustainability.

If you put 10 experts on a panel and asked them what sustainability really means, you would likely get 22 different answers. Trying to pin these people down is definitely a challenge.

However, the good news is that in a rational world, and the sustainability people are all about measuring things, most plastic packaging fares very well. It fares even better if you use PET, HDPE, or PP. If you are still blow molding PVC, watch out. PET, HDPE, and PP fare well because the base resins are very pure and stable and useful with minimal additives. PVC requires more modification with additives to make it useful. Some of these plasticizers and processing aids have nasty sounding names, so the general view is that all PVC is bad. It isn't fair, but that is the view.

Now that carbon dioxide is being regarded as a pollutant, all forms of packaging will be measured for the carbon foot print. There is more good news here because plastic packaging is very efficient in terms of the amount of energy used to process it and the industry has learned how to make plastic packaging very thin and at minimal weights. Even without recycling, many plastic options compare favorably against metal, glass, and paper alternatives because of the strength and efficiency of plastic and the

continued on next page



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relatively low amount of energy required to process it.

Plastic has the further benefits that the prime resins, the big three PET, HDPE, PE are very pure and low in additives. I should add LDPE to this list, but this is after all a blow molding column. Since these plastics are pure, they are very stable in a landfill which is a benefit. They also burn clean, mainly into CO2 and water, when incinerated. There is also a substantial amount of infrastructure in place to recycle these materials if they can be efficiently collected. The end of life analysis which many sustainability measures include treats plastic favorably.

We all need to be wary of the word Sustainability and the people throwing it around. The same lobby that created the hysteria that plastic litter was damaging our environment and somehow glass, paper, and aluminum litter didn't, are still out there ready to redirect attention. We do need to know the environmental profile of the packaging material we are using and be ready to defend misinformation with fact. The good news is that many of us have a good story to tell. Plastic packaging is low cost and efficient because we have all worked very hard to make it better and better. Sustainability may be the first environmental initiative that gives us credit for our hard work.

Scott Steele

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IN MEMORIUM

Mike Schmidt, former SPI “Man of the Year,” passes away at 78

Matthias “Mike” Schmidt, ABC Group Inc.’s president and CEO, who received SPI’s “Man of the year” award in 1982, died in King City, Ontario, Canada on January 10, 2009. Born in Yugoslavia in 1930, Schmidt spent several years in an Austrian refugee camp before eventually immigrating to Canada in 1956. Specializing in blow molding technology, Schmidt formed the ABC Group Inc. in 1974 and transformed the company into a multinational leader specializing in the automotive and packaging sectors. His son-in-law, Pierre Emond will carry on as leader of the company.

Schmidt’s served as SPI board chairman in 1994 and was a member of the Automotive Parts Manufacturing Association’s board of directors in 1995. Schmidt’s was honored many times by his peers for his service to the industry. In addition to the SPI recognition, he received the 1997 Outstanding Achievement Award presented by SPE’s Blow Molding Division.

Mike Schmidt is survived by his wife Helga, his son Tim, daughter Michelle, son-in-law Pierre Emond, daughter-in-law Susanne Schmidt and 10 grandchildren. He was preceded in death by his son Frank.

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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:

Mark Heitker
INEOS Technical Center
1230 Battleground Road
LaPorte, TX 77571
Mark.Heitker@ineos.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.

Minutes of Board of Directors Meeting

Executive Meeting

□ **Call to order at 9:00**

Present: Benjamin Lopez, Scott Steele,
Jonathan Meckley, Mark Heitker, Bob Jackson,
Gary Carr, John Rathman, John Headrick, Lewis Ferguson

- Reviewed our Blow Molding Conference Coordinator 2008 Performance & 2009 Objectives
 - Sponsorships Recovered
 - TPC – start for the upcoming ABC
- Attendance at the ABC and Local Sections
 - Market Updates / Trends - Atlanta
 - Ideas on training @ ABC Cost
 - Rate review (Technical Training / Magazine – Technical Papers)
- Magazine issue
 - Fund Return
 - Terms to be reviewed 50/50 (One year Limit)
 - Credit for the next Year

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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 October 7, 2008 Bartlesville, OK @ (ABC 2008) ConocoPhillips's Technology Center

❑ **Call to order at 1:15**

BOD Members present: Benjamin Lopez, Bob Fitch, Scott Steele,
Jonathan Meckley, Mark Heitker, Win Burrington, Bob Jackson, Mridula Kapur
Bill Galla, Gary Carr, John Rathman, Kyle Grodzinski
Terry Glass, Daryle Damschroder, Geoff Ward, Jeff Light,
John Headrick, Gerald Hobson, Marta Janowitz, Surendera Agarwal
BOD Members Excused: Ron Puvak, Mark Barger, Lewis Ferguson

❑ **Treasurer's Report** – John Rathman

Operating Fund Highlights:

Since the last report dated May 1, 2008:

Operating Fund Highlights since May 1st until end of fiscal year on June 30th:

Expenses

\$ 4500 – Consulting Fee – Deirdre M. Turner
\$ 2080 – First half of Website Service Rework
\$ 860 – BOD Lunch, coffee, drinks, Audio-Visual Equip – ANTEC 2008
\$ 700 – Deposit on Bartlesville Community Center for ABC 2008
\$ 698 – BOD Dinner – ANTEC 2008
\$ 255 – BOD Plaques for New Members
\$ 238 – Auto-Owners Insurance for Conference
\$ 233 – Awards & Plaques for ABC 2007
\$ 10 – Bankcard Processing Fee
\$ 9574 – Total

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Disbursement Fund Highlights - May 1st thru the end of the fiscal year on June 30th:

Expenses:

\$ 1000 - Student Design Competition for 2008
\$ 500 - Best Student Paper at ANTEC 2008
\$ 117 - Student Travel expense
\$ 1617 - Total

Income:

\$ 192 - Interest
\$ 192 - Total

Grant Fund Highlights:

Currently earning 4.25 % interest in the SPE Investment Plan (about \$645/month).

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

<u>Fund</u>	<u>Balance</u>	
Operating	\$ 33,551.14	
Disbursement	\$ 18,952.25	+ (\$30,000 in CDs)
Grant	\$182,617.86	
Total Funds	\$265,121.25	

Our annual financial report for the past fiscal year, July 1, 2007 – June 30, 2008, will be issued shortly.

Voted and 2/3 vote met approved @ 1:26 (Bob Jackson - motioned)

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

- Councilor's update (Oct 2008)
- There has been no Council Meeting since the last BOD meeting in May. Therefore there is nothing to formally report. The next Council meeting will be held on October 17th and 18th in Southbury, CT (which is near the SPE HQ). The most important items of business are:

Continued on next page


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- 1. Approval of the 2009 budget.
- 2. Election of Officers.
- I forwarded a budget brief to the Blow Molding BOD several weeks ago. I asked for comments, questions, opinions, and recommendation on whether to support this budget proposal or not. I additionally attended a budget webinar on Sept 18th that provide some additional information and the opportunity for Q&A.
- As those of you that read the budget brief know, one major change in the budget relate to a substantial reduction in rebates to Division and Sections (by 2/3). This money is intended to be reinvested in new programs aimed at transforming the Society into one that can attract new (and younger) members, and effectively become sustainable well into this century. I have attached a duplicate copy of the budget brief sent previously.
- Seven board members responded to my request for comment. All are in support of my voting in favor of the budget proposal. 14 members declined to comment or offer an opinion. I take that non-response as a non-objection, therefore it is my intention to cast my vote in favor of the budget proposal as submitted in the briefing document.
- A full Councilor's report will be distributed to the BOD after the Council meeting.

Council Meeting Summary for Blow Molding Division Meetings attended May 3, 4

- Divisions Committee
- Committee of the Council of the Whole (C-COW)
- Full Council I (4th Council Meeting of 2007 – 2008)
- Full Council II (1st Council Meeting of 2008 – 2009)
- A brief summary of those meetings follow:
Marie Salzo's council summary will be forwarded to board members when this is made available
The entire package of council materials can be obtained from the Councilor upon request

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Highlights:

- Vicki Flaris term ends, Bill O'Connell term begins
- Financial Update:
 - Solid so far, both expense and revenue below plan.
 - Plastics Engineering deal with Wiley will be consummated:
 - Management of the magazine will transfer to Wiley this year, editorial control remains with SPE.
 - This is a great deal, but operating losses are expected (albeit well below expectations) through 2008 & 2009.
 - Membership trends (flat to slight decline) continue. Don't know the true impact of the 2008 dues increase yet
- Some minor changes in By-laws approved. First reading of three proposed by-law changes (including proposed SPE Foundation merger, second reading of one).
- Bill Carteaux, President of SPI, addressed Council regarding ANTEC at NPE 2009

Financial Summary:

- Revenue at a slight deficit to plan
- Expenses are slightly below plan
- Plastics Engineering ad revenue is 76% of plan five months into the year, which is unprecedented.
- Planned deal with Wiley for PE partnership will be finalized.
- Membership revenue holding so far. June results are important
- ANTEC and TopCon Revenues in-line with expectations
- Overall solid performance given the current U.S. economic climate
- Ended 2007 with surplus of \$100,741
- Reduced contribution from SPE by \$16,000 (\$42,000 budgeted to \$26,000 actual). This is the amount that SPE contributes as an offset to the Foundation's Income/Expense ratio.
- Foundation Investment Balance as of 12/31/2007 = \$1,534,497
- Financials tracking within budget for 1st quarter 2008
- Foundation Investment Balance as of 03/31/2008 = \$1,584,079
- Division funds are invested in the SPE Section/Division Investment Program, which provides a guaranteed return for the entire year (4.5% for 2007; 4.25% for 2008). Your treasurer gets reports on the value of your funds every month.

Membership:

- Our overall membership as of April 11, 2008, stood at 18,666.
- Member acquisition response rates trail last year's rates, particularly on the 2006 NPE list, which has been a big producer for us.
 - This list and its data is two years old, so the drop-off in response is not unexpected.
- Membership renewals are running slightly ahead of last year primarily due to the Very Early Bird renewal program offered in December 2007.
- Several factors are contributing to lower acquisition and retention rates.
- Some Negative Market Forces
 - Fewer companies are paying dues 67% (2007) versus 74% (1998)
 - 8% decline in the U.S. Plastics Manufacturing workforce (2002-2006)
 - Free access to vast amount of information on internet
 - Small number of viable prospect lists
 - In spite of aggressive list testing, only a few work well
 - Difficulty of obtaining lists overseas
 - Lower attendance at SPE events
 - Member: higher dues rate

Plastics Engineering Magazine Issues:

- An agreement with Wiley Publishing for Plastics Engineering magazine has been concluded.
- The new management rubric began as of April 1.
- The remainder of 2008 will see a full transition from the former self-publishing arrangement to the cooperative arrangement with Wiley.
- The magazine is still projected to lose money in 2008 and 2009, but at a considerably lower rate than 2006-2007.

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Ad sales to date have been robust and are tracking well to budget.

- Foundation Merger
 - Following timeline established
 - Transfer Agreement being reviewed by both Foundation and SPE Executive Committees
 - First reading of Bylaws Amendments at this meeting to incorporate the Foundation into SPE
 - Publication in *Plastics Engineering*
 - Second reading and vote at October Council Meeting

ANTEC:

- 2007 ANTEC, "Technical Program"
 - Technical Program
 - 122 sessions comprising approximately
 - 615 papers and keynotes
 - 37 commercial papers
 - 50 interactive (poster) presentations
 - Presentation Breakdown
 - Academic: 58%
 - Industry: 40%
 - Government: 02%
- Plastics Encounter @ ANTEC
 - Approximately 200 companies have registered to exhibit at Plastics Encounter @ ANTEC.
 - Sales are down 12% from 2007 as of April 15

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Inline Belfasher with Tool



Hydraulic Belfasher



Inline Neck Finishing



Hand Lead Belfasher





ANTEC™@NPE2009:

- NPE 2009 will be held at McCormick Place, June 22-26.
- Formal contact with SPI is in final stages of preparation (no major outstanding issues). ANTEC will be held concurrent with the NPE show. ANTEC will occupy the new West Hall.
- SPE Seminars will either be co-located with the technical sessions or in conference center space connecting the Hyatt Regency McCormick Place to McCormick Place.
- Discussions with SPI regarding the appointment of an SPE hotel are under way. Negotiations also continue regarding the scheduling of morning and afternoon sessions.
- Planned submission and review deadlines for ANTEC 2009:
- Online submission site opens by June 30
- Abstract submission: September 4
- Abstracts will be encouraged, but not be required
- Paper submission: November 6
- Paper review deadline: December 12
- Final paper revision deadline: January 9
- Matrix Meeting: January 6

Closing Comments:

- Incoming SPE President Bill O'Connell has decided to consolidate the fall 2008 and winter 2009 Council meetings into one Council meeting that is scheduled to be held in Brookfield, MA October 18th 2008.
- Therefore, there will be no Council report at the October 07th Blow Molding Division BOD meeting, and I will likely not attend this meeting.
- A written Councilor's report will be issued to the BOD as soon as practicable. Urgent communications, if any, will be effected via teleconference as deemed necessary by the Councilor or Chair.
- There will be no formal Council report planned for the Winter BOD meeting.
- Plans for 2009 Council meetings surrounding ANTEC/NPE are still being finalized. It is possible that there will be only one Councilor's report that encompasses the next three Blow Molding Division BOD meetings,

Continued on next page



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- ❑ **TPC** – Pending Update
- ❑ **Education** – Mark Helter

Subject: Fall Education Committee Report – Activities since the May BOD Mtg

Memorial Scholarship program:

Our current scholarship recipients are:

Jessica Patz - Penn State University Eire - 1st year \$8000 Carrie Fox Solin Memorial Scholarship

Nicolas Cruz - Pittsburg State University - 1st year \$4000 John Raymonds Sr. Memorial Scholarship

Russell Ankerbrandt – Ferris State University – 2nd year \$8000 Carrie Fox Solin Memorial Scholarship

Jason Merkle - Ferris State University – 2nd year \$8000 John Raymonds Sr. Memorial Scholarship

Jessica Patz was recognized at the ANTEC Student Activities luncheon by Dr. Lawrence Solin and BOD members. Nick Cruz will be our guest at the ABC and recognized at the conference 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>

2008 Corporate Educational Sponsors:

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

Graham Engineering Corporation supports the Continuing Education Grant Program. Their annual contribution of \$2000 was received.

2008 Student Design Competition:

35 projects were submitted and the Education committee reviewed the top 11 submissions. Bob Fitch reported the 3 finalists, all from Penn State Eire, were projects entitled “Light Weight Lap Desk” - Laurie Manning, “Surfboards of Tomorrow” - Matt Zimbicki , and “Plastic Synthetic Bone” - Courtney Flickinger. Matt Zimbicki was chosen as the winner and awarded the \$1000 prize at the ANTEC Student Activities luncheon. Matt will be our guest at the ABC where he plans to present his project in a poster format.

Graham Engineering Corporation Continuing Education Grant Program

(Former Workplace Scholarship):

No awards since last fall. Offers sent to Midwest blow molding companies to pay for their ABC 08 registration with these grants.

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>.

A request from Penn State Eire for a bottle thickness gauge has been received and will be reviewed by the education committee.

ABC 2008 Student Activities:

We are hosting 18 students and faculty from Pittsburg State University, and 2 students from Penn State Eire at the ABC. We will use Disbursement Funds for their conference expenses. Both schools plan to use complimentary tabletops in the exhibition area to promote their programs.

PlastiVan:

The PlastiVan will visit Bartlesville and Oklahoma City schools during the ABC 2008. The SPE Oklahoma section chapter is providing local coordination and sharing the cost with the Blow Molding Division.

Division web site:

Scholarship and Student Design Contest application information needs to be updated.

2009 – 2010 Budget:

Proposed Disbursement Fund budget to be developed during the Education Committee meeting in Bartlesville.

Continued on next page

❑ **Newsletter** – Ron Puvak (Pending Update)

Newsletter – Interest and Topic Leaders

- PET SBM column – Scott Steele.
- Column Extrusion blow – Gary Carr.
- Industrial Blow Molding column – Ben Lopez.
- Injection Blow Molding column – Ben Lopez.
- Material forecast – Bill Galla
- 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

❑ **Membership** – Lew Fergusson (Report this at the meeting)

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 decased marginally. Since 2005, D30 remains consistent at about 5.2 % on the total SPE membership, primary = 3.0 %

❑ **Sponsorships** – Jeff Light - Registered sponsors remain unchanged although with Babli's recent additions to the web-site, Deirdre and I remain optimistic additions are forthcoming.

❑ **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:

- Mission statement (page 3, 2nd 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

Continued on next page

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:

1st click on BM refs will show topics listed below. 2nd click on each topic will bring up a submenu as shown in following slides. 3rd 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)

[Continued on next page](#)

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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:

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

June'08 Website Update:

- In summary: Review entire site – correct errors; update information; remove “under construction sites” – B. Kapur
- Remove “under construction signs”
- Post updated Sponsor info
- Post ABC 2008 conference flyer
- Update past ABC information
- Post available BM Reference info
- What's new – modify; post ABC 2008 and newsletter link

July Action Items (Information Needed for July end Update)

- Technical information update
 - History of blow molding write up - S. Steele
 - Resin types, advantages/disadvantages, properties, test methods compile table with input from B. Fitch, M. Heitker, J. Rathman, W. Galla - B. Kapur
 - Fabrication methods: EBM, IBM, ISBM write up - S. Steele
 - Types of equipment, molds, tooling - B. Lopez
 - Troubleshooting obtain info from J. Headrick– S. Steele

Continued on next page

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- Provide any additional reference information - All
 - BM or Plastics websites
 - Pictures or videos
 - Colleges/Universities with BM programs
 - Brand Owners – T. Glass
 - Regulatory – T. Glass
 - Convert 2002-07 ABC papers to pdf format – Babli

August'08 Action Items (Information Needed for Aug end Update)

- All to review website
- Provide any additional information for reference section
- Check links

Aug'08 End Website Update:

- Finalize website format
- Finalize reference lists
- Industrial Links

❑ **Marketing** – Gary Carr

- Old Business:
 - Brainstorming session.
 - Host a job fair at the ABC's – Education Committee
 - Poster sessions possibly
 - Costs to be underwritten.

Action Item: Agreed to post student resumes on web site

- ABC needs to increase brand owner involvement
 - How to draw them in?
 - Could we enlist them to speak?
 - Broaden our scope, ask them, and conduct a one contact survey. Put it together and send out.

Action Item:

Board members to submit to Deirdre a few names each of brand owners we are aware of by May Antec, 2008.
Board members can also elect to do direct mailings to contacts with conference details.

➤ New Business:

- Advertise the ABC with Plastics News
- Run a one time 8 1/2" x 11" Tipped insert in Plastics News to the 5,951 blow molding processors in their mailing list.
- Schedule insert for approximately 1 month prior to event
- Cost \$3,294 Net (plus ad development/ printing)
- Ad can be front and back side!
- List Corporate Division sponsors on back side!

Action Item:

Bring to vote at BOD meeting (5.6.08) approval for expenditure estimated amount \$7000.

Ad coordinator: G. Carr

Future Conference Hot topics:

- | | |
|-------------------------------------|---|
| • Plastics Sustainability Education | • Recycling |
| • Legislation | • Automotive/EPA small engine rules & regulations |
| • Design/Innovation | • Processing |

➤ Newsletter – Ron Puvak

Action Item: Full board support is needed to provide content. Most recent Newsletter was all ads!

- Postcards mailing to check efficiency. On hold – May be able to use e-mails for verification – RAP can use new blast program.
 - This helps our ABC's e-mailing list.
 - Speak with national.
- Newsletter editorial schedule for 2008
 - Publish April 5th
 - Announce Lifetime awardees
 - ABC 2008 Major article and registrations
 - ABC 2007 presentation – one selected
 - Industrial Blow Molding column – Ben Lopez

Continued on next page

- Publish June 7th
 - ABC 2008 focus
 - Column Extrusion blow – Gary Carr.
 - ABC 2007 presentation – one selected
 - Sabic ANTEC paper
 - Sponsorship supplied Press Release Jeff Light to send a note to the sponsors
- Publish September 6th
 - ABC 2008 focus
 - Injection Blow Molding column – Ben Lopez.
 - ABC 2008 presentation – Preview???
- Publish November 1st
 - ABC 2008 wrap-up
 - PET SBM column – Scott Steele.
 - ABC 2008 presentation – one selected
- News Briefs – Ok for last issue - Maria Russo contact – Will use for Newsletter announcements.
- Focused columns could be generated.
- Membership – Lew Ferguson – Report this at the meeting
 - Primary – 524
 - Secondary – 360
 - Total – 884

Action item: 42 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.

Action Item: Sponsors will be sent a framed thank you letter

- Web Site – Babli Kapur

Action: Babli has made some specific format changes/recommendations to update the web site as presented to the board on 5-6-08.

Summarized: Reduce the number of site options and move rapidly to implement.

NOTE: Mid-September is 2008 full implementation target!

- ABC 2008 Market programs
 - Site location will be CPC, Bartlesville, OK
 - Call for papers at ABC 2007.
- ABC 2009 Market programs
 - Site location: East Lansing MI.
 - Call for papers at ABC 2008.

Action Item: Scott Steele and Ron Puvak to visit East Lansing site (Henry Center) with Gary Carr for review and report at Bartlesville, ABC, 2008 BOD meeting.

G. Carr has already obtained detailed pricing from the Henry Center.

- 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.
 - Could sponsor the conference use Nissei, Sidel, Silgan,
 - Where is the facility located?
 - Registration, program, CD's/copies needs to be us.
 - Call for papers at ABC 2009
- ABC 2011 Market programs
 - Site location could be Toledo, Ohio again.
 - Call for papers at ABC 2010

Continued on next page

- ABC 2012 Market programs
 - Site location could be Chicago.
 - Multiple opportunities for attendees.
 - Local support needs defined.
 - Where is the facility located?
 - Call for papers at ABC 2009

OLD BUSINESS:

- No old business issue

NEW BUSINESS:

- i. Leadership Roles
- ii. Speaker list / Alternatives
- iii. News Blast
- iv. Winter Meeting
- v. Table Top Return Policy
- vi. Leave operating expenses for the ABC training (\$6000.00) John Rathman to Draft
- vii. Review rerouting for Securing Funds
- viii. Seek Consul Advice on Investing Regulations
- ix. Make recommendations to secure Grants / Funds
- x. Reinstate / Structure - Financial Review Committee (Scott Steel)

ADJOURNMENT:

- Called motion to adjourn (Jonathan Meckley - motioned) - approved @ 3:30



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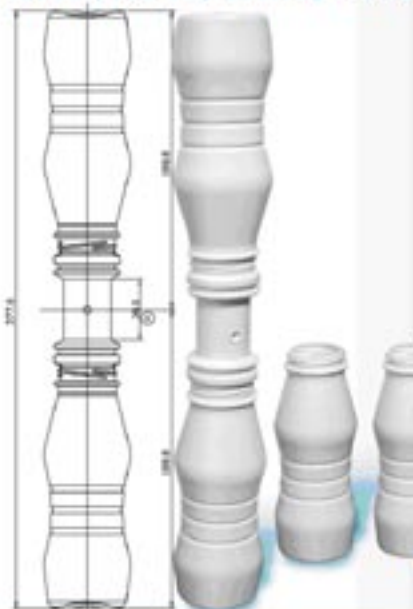


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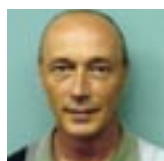
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