



SOCIETY OF PLASTICS ENGINEERS

BLOW MOLDING DIVISION

Volume 2008 Edition 2

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Division**

SPE Blow Molding Division ANTEC Education Committee Newsletter Report

Memorial Scholarship program:

The Education Committee reviewed the applications and chose two new scholarship recipients.

Jessica Patz – Penn State Erie
Carrie Fox Solin Memorial Scholarship sponsored by ExxonMobil Chemical Co. for the amount of \$8000. This scholarship was presented to Jessica at the recent ANTEC Student Awards luncheon attended by **Dr. Lawrence Solin** and members of the education committee.

Nicolas Cruz - Pittsburg State University
John Raymonds Sr. Memorial Scholarship. \$4000 sponsored by Captive Plastics. Nicolas has been invited to the ABC 2008 for a presentation. Their semi-annual awards begin in the fall 2008 semester.



Our current scholarship recipients are:

Russell Ankenbrandt –
Ferris State University
Carrie Fox Solin Memorial Scholarship sponsored by ExxonMobil Chemical Co. for the amount of \$8000

Jason Merkle -
Ferris State University
John Raymonds Sr. Memorial Scholarship sponsored by Captive Plastics for the amount of \$8000.

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>

Corporate Educational Sponsors:

A \$5000 contribution was received from **ExxonMobil Chemical Co.** for continuing support of the **Carrie Fox Solin Memorial Scholarship**.

A \$2000 contribution was received from **Graham Engineering Corporation Plastics** for their ongoing support of the **Continuing Education Grant Program**.

2008 Student Design Competition:

We received 35 applications from students at Penn State Erie. A subcommittee led by Bob Fitch reviewed the submissions and chose the winning entry from **Matt Zimbicki**. His project was entitled "Surf Boards of Tomorrow". Matt received a \$1000 prize at the ANTEC Student Awards luncheon. He will be invited to prepare a poster display on his project for our next ABC in October, 2008.

Best Student ANTEC Paper

Daniel Dempsey, from Penn State Erie, received a \$500 award for his ANTEC paper entitled "Property Verification of Thermoplastic Bottles Produced from Custom Designed Extrusion Blow Molding Molds".

Continued on Pg. 2



Chairperson's Message



Another busy semester at Penn State has come to a close. This was a good group of seniors that just graduated and I'm sorry to see them go. I hope some of these students will eventually end up in the blowmolding

industry. After getting to know these students over the years that they were in the program, it is difficult to see them leave. They were a great group to work with.

Our board is actively planning the program for the upcoming Annual Blowmolding Conference in Bartlesville, Oklahoma. At the last board meeting much time was spend on selecting topics and potential speakers. The program seems to be shaping up nicely.

Please remember to mark your calendars for October 7th through the 9th. It will be an event you will not want to miss. I look forward to seeing you there.



Education continued from Pg. 1

Graham Engineering Corporation Continuing Education Grant Program

Two awards of \$425 were made to **Kimberlee Smith** and **James Konicki**, both with **FPM** in Fremont Ohio, to pay for their ABC 07 registration.

Blow Molding Division School Grant Fund:

Grants from The SPE 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>.

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-  **Understand where the industry can grow**
-  **Network with End-users, processors, manufacturers, and suppliers**

PROGRAM HIGHLIGHTS

Global blow molding issues and market conditions.

Rigid packaging technical developments and issues facing the industry today.

Automotive and industrial in a dynamically changing market.

Education programs offered by industry experts.

Conference Site

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www.bartlesvillecommunitycenter.com
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For additional conference information
and hotel listings visit:

www.blowmoldingdivision.org

SPEAKER TO PRESENT...

Market Overviews

- Resin, demands and opportunities

Sustainability / Bio-Polymers initiatives

End-User perspectives

Trends in machine design

Latest blow molding innovations



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Registration before September 21, 2008

Registration Fee : SPE Member \$350.00;

Non-member \$475.00 **(This fee includes a 1 year SPE Membership)**

Fee includes all materials, lunch and dinner.

Registration after September 22, 2008 and at the door.

Registration Fee : SPE Member \$400.00;

Non-member \$525.00 **(This fee includes a 1 year SPE Membership)**

Fee includes all materials, lunch and dinner.

Payment Methods:

1) Check – made payable to SPE Blow Molding Division, sent with registration to:
ABC Conference 2008, P.O. Box 964, Holland, OH 43528-0964, USA

OR

2) Corporate Credit Card – Call Scott Steele at 419 867-5403,
E-mail: ABC2008@pti-e.com

OR

3) Paypal® (on-line payment service: www.blowmoldingdivision.org and choose conference
link on left to register/buy)

***Fees for Students and multiple attendees from the same company please
contact Scott Steele at 419 867-5403.***

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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Putting it all together



SPE Blow Molding in Toledo, OH



The Society of Plastics Engineers Annual Blow Molding Conference was held October 2008 in Toledo, OH. Four seniors (Chris Kann, Jeremy Miller, Jeff Bobkoski, and student SPE chapter president Mike Willoughby) in the Plastics & Polymer Technology program of Pennsylvania College of Technology and John Bartolomucci of the plastics faculty were invited guests to the three-day event.

In addition to Penn College students, approximately 15 students attended from the plastics programs at Penn State Behrend, University of Massachusetts (Lowell), Ferris State University, and the University of Akron. This was the first annual Blow Molding Conference attendance for Penn College students who took part in several industry technical presentations and displayed and manned a tabletop exhibit of the Penn College plastics education program during exhibit hours.

Blow molding is a process used to produce a wide variety of hollow plastic products used in the high growth packaging markets including food, beverage, consumer, pharmaceutical, and medical markets. Several Penn College plastics graduates are sought and recruited each year by many of the companies attending the conference this year. Attending students received an outstanding plastics education benefit along with excellent career networking opportunities.

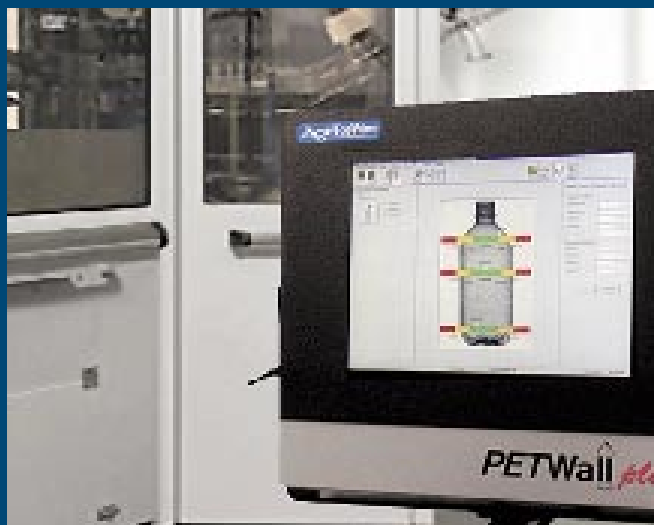
Pennsylvania College of Technology offers a two-year Associate of Applied Science in Plastics & Polymer Technology (PS) degree and a four-year Bachelor of Science in Plastics & Polymer Engineering Technology (BPS) degree.



Chris Kann (background) and Michael Willoughby, student SPE chapter president (foreground).

If you would like to learn more about Penn College's Plastics & Polymer Technology program, please call the Office of Admissions (570) 327-4761 or 1-800-367-9222, or the School of Industrial & Engineering Technologies at (570) 3267-4520.

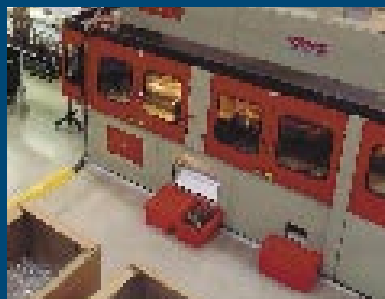
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Graham Engineering Corporation Continuing Education Grant Program

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

❑ No Executive Meeting

Board of Director's Meeting

Minutes of the Board of Directors of the Blow Molding Division of SPE, Meeting held on May 05, 2008 at the Hilton Milwaukee, Wisconsin

❑ Call to order at 2:15

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, Mark Barger, Geoff Ward, Jeff Light, John Headrick, Gerald Hobson

BOD Members Excused: Ron Puvak, Marta Janowitzer, Surendera Agarwal

Guest: Tricia McKnight / Tim Wormer (SPE – Liaison)

- Recognized as visitors to the meeting - Tricia McKnight
- Reading of Non-Disclosure/Non-Compete Statement

❑ Treasurer's Report – John Rathman

Since the last report dated February 14, 2008:

Operating Fund Highlights:

Expenses

\$ 975– 1st Q 2008 Web Site support services-Alex Weber
\$ 713– Councilor travel to January 2008 Council Meeting
\$ 543 – February BOD Meeting Room
\$ 535 – Newsletter design, layout and editing
\$ 498 - Lunch & Dinner at February BOD Meeting
\$ 129– Website domain name renewal and website hosting renewal
\$ 67 – BOD Teleconference Meetings
\$ 10 – Bankcard Processing Fee
\$ 8 – Office Supplies & Postage
\$3478 – Total

Income:

\$1049 - SPE 2nd Quarter 2008 Membership Rebate
\$ 256 - Interest
\$1305 - Total

Continued on next page

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

Disbursement Fund Highlights:

Expenses

\$ 668 – ABC 2007 Student Travel - Prof. Malloy's Expense
\$ 500 – Society of Plastics Engineers - SAC - Student Outreach
\$ 500 – SPE Foundation Student Travel Fund - ANTEC 2008
\$ 1668 - Total

Disbursement Fund Highlights:

Income:

\$ 5000 – ExxonMobil 2008 Donation to SPE Scholarship Fund
\$ 2000 – Graham Engineering 07-08 Scholarship Contribution
\$ 1213 - Interest
\$ 8213 - Total

We currently have a twelve month \$10,000 CD earning 5.2% interest that will mature on July 11, 2008. Another 12 month \$20,000 Certificate of Deposit will mature on March 12, 2009, earning 3.6% interest.

Grant Fund Highlights:

Currently earning 4.25 % interest in the SPE Investment Plan (about \$625/month).

Our 3 fund's balances are:

<u>Fund</u>	<u>Balance</u>
Operating	\$ 42,892.60
Disbursement	\$ 20,334.95 + \$30,000 in CD's
Grant	\$ 180,669.95
Total Funds	\$ 273,897.50

Voted and 2/3 vote met approved.

□ Councilor's Report – Mark Barger

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

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



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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

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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.

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

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



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Closing Comments:

- Incoming SPE President Bill O'Connell has decided to consolidated 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, depending on when the Blow Molding Division schedules its 2nd 2009 meeting.

❑ TPC – Pending Update

❑ Education – Mark Helter

May 2, 2008 Subject: ANTEC Education Committee Report – Activities since Winter BOD Mtg

Memorial Scholarship program:

Our current scholarship recipients are:

Russell Ankerbrandt – Ferris State University – 1st year
Carrie Fox Solin Memorial Scholarship

Jason Merkle - Ferris State University – 1st year
John Raymonds Memorial Scholarship

Matthew Gross – University of Pennsylvania at
State College – 2nd year
Carrie Fox Solin Memorial Scholarship

Daniel Dempsey - Penn State Erie – 2nd year
John Raymonds Memorial Scholarship

Our new scholarship recipients for next year are
Jessica Patz at Penn State Erie to receive a 2 year,
\$8000 award and **Nicolas Cruz** at Pittsburg State to
receive a 1 year, \$4000 award. Jessica will be recognized
at the end of the ANTEC Blow Molding Paper session on
May 7th, Dr. Lawrence Solin plans to join us. Nicolas has
been invited to attend ABC '08 in Bartlesville as our guest.

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>

Corporate Educational Sponsors:

2008 funding solicitation letters were sent by our treasurer
to:

Captive Plastics' has supported the John Raymonds Sr.
Memorial Scholarship. John Raymonds Jr. has inquired
about continuing support of this award.

ExxonMobil Chemical Company supports the
Carrie Fox Solin Memorial Scholarship and a contribution
of \$5000 was recently received. Thanks to Bob Fitch!

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

Student Design Competition Education Sub Committee. 35 projects submitted by **Penn State Erie** students
have been received by Bob Fitch. Bob reported the 3
finalists, all from Penn State Erie, 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 a \$1000 prize. He will be
requested to present his project in a poster format at
the ABC 2008.

Graham Engineering Corporation Continuing Education Grant Program (Former Workplace Scholarship):

Two awards of \$425 were made to Kimberlee Smith and
James Konicki both with **FPM** in Fremont Ohio, to pay for
their ABC 07 registration. No additional requests have
been received since the ABC.

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/blow-moldinggrant.php>.

We are currently awaiting a completed application from
Pennsylvania **College of Technology** to help upgrade their
Hesta EBM machine and for a possible purchase of a blow
molding simulation software package. A request from **Penn
State Erie** for a bottle thickness gauge is also being considered.

ANTEC Student Activities:

We plan to award \$500 for the **Best Student ANTEC
Paper** related to blow molding. Disbursement Funds
were used to donate \$500 to the **ANTEC student travel
fund** and \$500 to the **Student Activities Committee** for
ANTEC functions.

PlastiVan:

We requested a PlastiVan visit to Bartlesville during the
ABC 2008. A local section member will be solicited to
coordinate arrangements with local schools.

Division web site:

Educational Activities and Blow Molding References section
information for the redesigned web site was sent to Babli
in January. Mark Heitker will be the focal point for the
Education Activities section. John Headrick volunteered
to serve as focal point for the Blow Molding Technical
Information/References section.

Awards Subcommittee:

- Richard Smith will receive the LAA in October this year in Bartlesville at the ABE. Letter has been sent to Richard.
- Mark Heitker Nominated for Honored Society 2009 “Bob DeLong” to assist in writing up.
- Paul Geddes Nominated for Honored Society 2009 “Bob Jackson” to write up

❑ 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

2007 Suspended through December > 184

2008 Through April 31

2008 New >Primary 27 + Secondary 32 = 59

2008 Suspended through April > 42

D-30 membership is down in April 2008 compared with April 2007, as is the Total SPE Membership. However, our percentage of Primary Members in D30 and our percentage of Primary Members in the SPE Total have increased 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.

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Hand Load Buffasher

- 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](#))
- Fabrication methods: EBM, IBM, ISBM (B. Jackson, S. Steele)

- Resin types, advantages/disadvantages, properties, test methods (B. Fitch, J. Rathman, M. Heitker, W. Galla, [B. Kapur](#))
 - 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)

Industrial Links:

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



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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:

- 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**

- 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

- **Market programs (Gary Carr – Pending Update)**

OLD BUSINESS:

- No old business issue

NEW BUSINESS:

- No new business issue

ADJOURNMENT:

- Called motion to adjourn - approved @ 3:30

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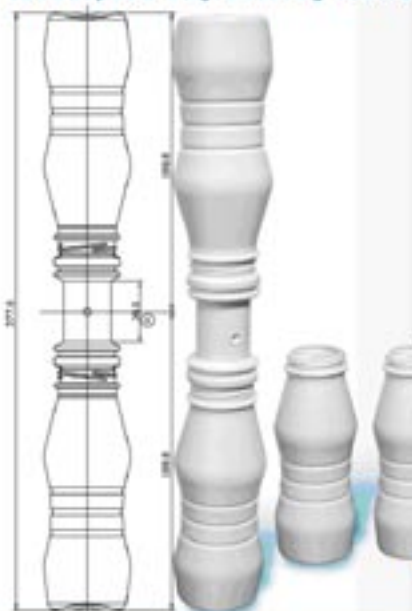
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