The blow molding division has planned a great session for Antec 2009 and since it is being co-located with NPE 2009 there are even more reasons to attend! But in case you need some specifics, here are the 5 top reasons to attend.

1) **Understand the Impact of New Technology** -  
   Help your company see the future faster. Confer with the industry’s leading technical experts to see what new technologies and techniques are being developed today.

2) **Broaden your understanding of the Plastics Industry** -  
   ANTEC is the only place where you can attend sessions covering the full spectrum of the plastics industry. Unlike specific topical conferences, ANTEC is a place to gain exposure to developments and people throughout the entire industry.

3) **Build New Skills** -  
   ANTEC offers seminars, workshops and other forums for people on all levels within the plastics industry. Take advantage of one or more of our special sessions to enhance your skills and knowledge base.

4) **Network** -  
   Meet with fascinating, informed and creative colleagues from around the world to share insights from a broad range of disciplines and industries within plastics.

5) **Recharge Your Own Career and Interests** -  
   Set new goals and focus on your opportunities at ANTEC to meet people and attend sessions that take you where you want to go.

**BLOW MOLDING SCHEDULE**

*Innovations in Blow Molding - 9:00 AM*
*Tutorial - 10:00 AM*

0743–**Structural Strength Of Blow Moulded PET Bottle Using Microwave Pre-Heated Preforms**  
Syed Masood - Swinburne University of Technology

This paper presents an investigation on injection stretch blow moulding (ISBM) of PET bottles which are heated using microwave (MW) ovens instead of infrared lamps. Comparative simulation studies are carried out on structural strength of PET bottles obtained from three performs heated with different power outputs of microwave along with a preform heated conventionally under different process conditions. The comparisons between microwave and infrared heating were carried out to study the structural strength of the bottle under top loading and pressure conditions using ANSYS simulation software. Results indicate the range of microwave power output to be used for better strength of blow moulded bottles.

*10:30 AM*

0629–**A Novel 3-D Blow Molding Method And Its PartThickness Control Strategy**  
Geng-qun Huang - South China University of Technology

In this study, a novel air traction 3-D blow molding machine was presented. Distinct from conventional blow molding machine, this 3-D blow molding machine utilized compressed air to draw the extruded parison through the closed mold. The results showed that the new 3-D molding machine was low flash waste and high molding quality. To further improve the performance of the 3-D blow molded product, a control strategy based on fuzzy iterative learning control algorithm was designed and implemented.

Continued on Pg 2
Hello,

We are finally heading into spring! As I write this message, we have just received more snow. So, winter takes its last shot at us. Here at Penn State we are in the last few weeks of the semester. It won’t be long before our students graduate and start out into the working world. I sometimes think we are like parents. We put a lot of work into these students and are excited to see them go out and succeed.

We are deep into the planning for our conference in October. The speakers are being recruited and sessions are falling into place. Make sure you block out the dates and plan on attending. You don’t want to miss seeing where the Blow Molding industry is going!

Our next event is at NPE/ANTEC. We are having a session on Wednesday morning. I hope to see you there.

Jon

Schedule Con’t from Pg 1

to control the wall thickness of blow molded part. The results showed that after five times iterations, the average axial thickness of 3-D bend pipe converged to the object area of thickness.

11:00 AM

0984–Next Generation HDPE For Blow Molding Applications
Mridula (Babli) Kapur - The Dow Chemical Company

High density polyethylene (HDPE) is widely used to fabricate blow molded articles for rigid packaging as well as for other market segments. The drive to reduce packaging cost as well as minimize impact on the environment has increased the emphasis on light weight packaging. A next generation (NG) of HDPE resins was developed to offer a unique combination of easy resin processing on existing extrusion blow molding equipment and a superior balance of physical properties, which allow blow molded articles to be light weighted. A higher percentage of post consumer recycle can also be incorporated while meeting the blow molded article performance requirements.
We have finished the initial review process for the 2009 SPE Pinnacle Award program. I am writing to advise you that Blow Molding has met the criteria to receive Gold recognition. Congratulations on your group’s achievement! My special thanks to you for taking the time to capture this information so that your Division could be so recognized.

Formal notification and information about participation at the SPE Leadership Luncheon in June is forthcoming. In the meantime, please share this good news with the rest of your Board.

Regards,

Tricia McKnight
Manager, Leadership Services
Society of Plastics Engineers

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**Extrusion Blow-molding with integrated filling.**

UNIKA, is an integrated machine which will be officially launched during Anuga Foodtec 2009 exhibition. This innovative product design extrusion blow-molds bottles with filling in a unique unit that represents the first “combi” in the HDPE market. The system is manufactured in Bologna, Italy and integrated at TECHNE’s new state of the art facility.

This model will be in operation at the exhibition, producing mono-layer HDPE 250 cc bottles for a dairy application at 4,500 pc/h.

**ADVANTAGES:**

- **HIGH ROI:** rapid and measurable return of investment thanks to a lower bottle cost and high added-value integrated production.
- **FLOOR SPACE REDUCTION:** from the extrusion blow-molding to the filling process in a unique integrated unit.
- **ENERGETIC SAVING:** 35% saving in comparison to traditional hydraulic complete packaging line.
- **REDUCED MAINTENANCE:** thanks to the part standardization, oil absence and mecatronic solutions. This machine does not need long machine stops for cleaning and maintenance.
- **WORKMANSHIP REDUCED** by 50% in comparison to traditional packaging lines.
- **VERY FLEXIBLE** due to fast mold, colour and liquid product change. Production stops and re-starts in only a few minutes.
- **EFFICIENT:** high production rate thanks to technical assistance on-line, remote production data retrieval and the automatic setup of the production parameters.
- **EXTREMELY PRECISE:** net weight precision filling technology is reliable and superior to the performance of any other system available on the market.
- **COMPLETELY MECATRONIC:** industrial PC based, Bus wiring and the most innovative solutions for granting flexibility and high production.
- **MODULAR:** Modularity achieved with the machine design, assembly and test procedures. UNIKA can be standardized to a considerable degree and this has a formidable impact on the reduction of the delivery times.
- **SUSTAINABLE:** Low environmental impact, quiet and hygienic this machine is eco-friendly due to the absence of oil and the reduced presence of copper other non-recyclable materials.
- If required, the bottles produced can be in conformity with strict parameters verified through the use 6 Sigma analysis - CP/CPK.

**APPLICATIONS:** Suitable both for food (dairy products, sauces, fruit juices) and industrial applications (personal care, lubricants and house-hold chemicals).

UNIKA can mold and fill bottles (mono or multi-layer) from 80 ml to 1 lt. Larger bottle volumes up to 5 lt. are possible with other UNIKA® versions.

TECHNE Extrusion Blow-molding machine combined with ACMA VM Filling system: together with UNIKA® to respond to market higher challenges and give a faster return of investment.

For more information about TECHNE, please visit our website at [www.technespa.com](http://www.technespa.com) or email at [info@technespa.com](mailto:info@technespa.com).
PLASTIVAN VISITS OKLAHOMA SCHOOLS

The National Plastics Center’s PlastiVan visited area schools in Oklahoma the week of October 6. Allen Jackson, the southeastern regional director for the National Plastics Center, provided the demonstrations at the schools. The $5500 cost for the visits were shared between the Blow Molding Division and the Oklahoma Section in conjunction with the 2008 Annual Blow Molding Conference held in Bartlesville, Oklahoma. The schools visited were:

Oct. 6-7 - Madison Middle School, Bartlesville, OK
Oct. 8 - Wesleyan Christian School, Bartlesville, OK
Oct. 9 - McKinley Elementary School, Norman, OK
Oct. 10 - Apple Creek Elementary, Moore, OK

Brian Grady coordinated with the Oklahoma City area schools; Lee Carvell coordinated with the Bartlesville area schools.

Feedback after the visits was universally positive from both the teachers and students. One teacher e-mailed: “The kids really enjoyed it and we all learned a lot. We asked a lot a questions which Allen was very good about answering. They all thought it was very cool and were asking me more questions about it the following day. One sophomore told me he wanted to be an engineer and he found the presentation to be helpful. A senior said the same thing. It’s hard to know what you want to be when you grow up but activities like this can help. Thanks for the opportunity to enrich my curriculum!”

Con’t on next page

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• Recycling Technology Development
• Technology Licensing
• Quality Assurance support and instruments
• Manufacturing Support
• Training programs from resin to finished bottle.
A student pushes a skewer through a balloon during a lesson on plastics Monday at Madison Middle School in Bartlesville, OK. Allen Jackson gave demonstrations on the different properties and uses of plastics with hands-on experiments and activities for Madison science students.

(photo and caption courtesy David Austin, Bartlesville Public School District Community Relations Coordinator)
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Plastics Hall of Famer Gigliotti dead at 88
by Bill Bregar
April 24, 2009
Plastics News Staff

GLOUCESTER, MASS. (April 24, 11:10 a.m. ET) Michael Gigliotti, who headed the House of the Future project at Disneyland and helped develop early plastic beverage bottles in a 35-year career at Monsanto Co., died April 21.

Gigliotti, 88, was inducted into the Plastics Hall of Fame in 2003. After retiring from Monsanto, he ran a consulting company, MGA Inc. in Gloucester, Mass., in the waterfront home that he shared with his wife, Miriam.

Born in Utica, N.Y., and raised in Hoboken, N.J., Gigliotti graduated from Stevens Institute of Technology in 1942 with a mechanical engineering degree. Monsanto hired him to work in its 3-year-old Plastics Division.

When he was just 25, Monsanto named him supervisor of design engineering on a major expansion of its production of vinyl, polystyrene and melamine resin complex in Springfield, Mass. Later, he headed two other resin plant construction projects.

Monsanto then picked Gigliotti to head a new effort launched in 1955, the Structural Plastics Engineering Group which worked with the Massachusetts Institute of Technology to design a plastic house. The result was an exotic, space-age house with four elegant wings cantilevered off a central pedestal was built at in 1957 at the new Disneyland theme park in Anaheim, Calif.

Gigliotti played a key role in creating building codes for plastics products, working with the Society of the Plastics Industry Inc. From 1961-1968, he was director of process engineering and technology for Monsanto’s Plastics Division.

In the late 1960s, the company again assigned Gigliotti to a groundbreaking project: lead a team to develop plastic packaging with low levels of oxygen permeation. The result: the first plastic soda bottle of acrylonitrile, not PET.

Coke introduced the Easy-Goer 32-ounce plastic bottle in 1975.

As a consultant, Gigliotti also had a major role in the move by Bekum Maschinenfabriken GmbH, the German blow molding machinery maker, starting its U.S. operation in 1979.

Gigliotti remained actively involved in the global plastics industry. He recently nominated Trevor Evans, chairman of Nampak Ltd. of South Africa, to the Plastics Hall of Fame. Evans will be inducted into the hall during NPE2009.

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[Contact Information]

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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.
Executive Meeting

- **Call to order at February 16, 2009 @ 5:00pm**

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

  - Review Deirdre M. Turner 2009 tasks & objectives
  - New meeting structure proposal (web / conference calls)
  - 20year SPE BOD service award

Continued on next page
Board of Director’s Meeting
Minutes of the Board of Directors of the Blow Molding Division of SPE,
Meeting held on February 17, 2009 Atlanta, GA Callaway Gardens

Call to order at 12:30
BOD Members present: Benjamin Lopez, Bob Fitch, Scott Steele,
Jonathan Meckley, Bob Jackson, Mridula Kapur, Gary Carr, John Rathman,
Kyle Grodzinski, Terry Glass, Daryle Damschroder, Geoff Ward,
Gerald Hobson, Clyde Bonhe
BOD Members Excused: Ron Puvak, Mark Barger, Lewis Ferguson
Surendera Agarwal, Mark Heitker, Win Burrington, Bill Galla, Jeff Light, John Headrick,

Treasurer’s Report – John Rathman
Subject: Winter Treasurer’s Report
Since the last report dated October 4, 2008:
Operating Fund Highlights:

Expenses
$ 27024 - Remaining ABC 2008 Expenses
$ 10500 - Deirdre Turner – 70% remainder of consulting fee
$ 2645 - Blow Molding Website Service for 3rd Quarters 2008 and 2nd half website redesign and 50 copies of Newsletter for ABC 2008 distribution
$ 1018 - Councilor Travel Expense for Fall 2008
$ 716 - ABC 2008 – 30% profit split with SPE National
$ 610 - Blow Molding Meetings and Teleconferences
$ 450 - Director Shirt Program
$ 350 - Tax Preparation for 2007
$ 260 - SPE Blow Molding Newsletter Work

Continued on next page
$ 239 - ABC 2008 – 10% profit split with SPE Oklahoma Section
$ 206 - Seed Money for ABC 2009 – Flyer and design work
$ 26 - Postage and Office Supplies
$ 4,044 - Total

Income:
$ 8094 - ABC 2008 Revenues
$ 5000 - Donation from Chevron Phillips for ABC 2008 Expenses
$ 2400 - Platinum & Gold Sponsorships
$ 1049 - SPE 4th Quarter 2008 Membership Rebate
$ 214 - Interest
$ 120 - Payment by BOD for shirts ordered
$ 16,877 - Total

Disbursement Fund Highlights:

Expenses
$ 4000 – Plastivan during ABC 2008
$ 1484 – Student Travel to ABC 2008
$ 491 - Matthew Zimbicki – Penn State Erie – Student Travel to ABC 2008
$ 5,975 - Total

Income
$ 309 - Interest
$ 309 - Total

We currently have a twelve month $20,000 CD earning 3.6% interest that will mature on March 12, 2009. Another 12 month $5,000 Certificate of Deposit will mature on July 31, 2009, earning 3.7% interest.
Grant Fund Highlights:
The January statement has not been released and 2009 interest rate has not been announced. During the year of 2008, the SPE Investment Plan was earning 4.25% interest (about $640/month).

Our 3 fund's balances are:

<table>
<thead>
<tr>
<th>Fund</th>
<th>Balance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating</td>
<td>$36,593.92</td>
</tr>
<tr>
<td>Disbursement</td>
<td>$11,091.21 + $25,000 in CD's</td>
</tr>
<tr>
<td>Grant</td>
<td>$178,455.29 Amount as of December 5, 2008</td>
</tr>
<tr>
<td>Total Funds</td>
<td>$251,140.42</td>
</tr>
</tbody>
</table>

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

Councilor’s Report – Mark Barger

Council Summary: 10/18/2008

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. 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.

Continued on next page
Elections
Council elected the following individuals as Society officers for the 2009-2010 term, which begins at ANTEC (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. 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 2008 to be better positioned financially for 2009. 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
  3.3.3 Election Date
  10.10.10 foundation
  10.10.11 17.6 Temporary Suspension of a Bylaw
- Electronic Participation
  5.1 Annual Business Meeting
  5.3 Quorum
  4.4 Special Business Meetings
  2.2.2 Council Meeting Times and Places
  2.2.3 Quorum
  14.7 Participation and Voting
- Governance Downsizing
  3.3.3 Council
  1.1 Officers of the Society
  5.5.5 Staggering of Terms
  1.1.1.1 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, 2008, 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.

Continued on next page
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.

- 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.

Continued on next page
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- **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.

- **PRESENTATIONS**
  The Color & Appearance Division returned its rebate to the Society.
  The next formal Council meeting is scheduled for June 21, 2009, in Chicago, Illinois.
  All relevant Council materials can be found via:
  [http://extranet.4spe.org/council/index.php](http://extranet.4spe.org/council/index.php)
  Financial information from the Treasurer’s Report can be found on the following pages.

**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:
- 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.

Education – Mark Heitker

Subject: Winter Education Committee Report – Activities since the ABC ‘08 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
Nick Cruz was recognized at the ABC banquet at Wooloroc.

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](http://www.4spe.org/foundation/scholarships.php)

We are expecting 8 new applications from the SPE Foundation for up to 2 new $8000 scholarship awards. A subcommittee has been organized to review the applications during the next few weeks.

Captive Plastics‘ funding for the John Raymonds, Sr. Memorial Scholarship has ended. The new name for our second award is the ExxonMobil Chemical Scholarship.

2009 Corporate Educational Sponsors:

ExxonMobil Chemical Company plans to contribute $5000 to our education fund again this year. Thanks to Bob Fitch!

Graham Engineering Corporation supports the Continuing Education Grant Program. An invoice has been sent for annual contribution of $2000.

2009 Student Design Competition:

42 project abstracts have been submitted, 2 from Pen College of Technology and 40 from Penn State Erie. The final submissions are due by April 15th and will be judged by the Education Committee. The winning entry will be awarded $1000 and requested to exhibit their project at the next ABC.

We hosted Matt Zimbicki from Penn State Erie, who displayed his 2008 winning project “Surfboards of Tomorrow”, at the last ABC in Bartlesville.

Graham Engineering Corporation Continuing Education Grant Program
(Former Workplace Scholarship):
No new awards during this period.

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.

Continued on next page
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 Erie for a bottle thickness gauge was received and approved by the education committee. Awaiting purchase documentation.

**ABC 2008 Student Activities:**
We hosted 16 students and faculty from Pittsburg State University, and 2 students from Penn State Erie at the ABC. Disbursement Funds were used for their conference registration and travel expenses. Both schools used complimentary tabletops in the exhibition area to promote their programs.

**PlastiVan:**
The PlastiVan visited 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, Student Design Contest, and Sponsor information has been updated.

**2009 – 2010 Budget:**
Proposed Disbursement Fund budget was developed during the Education Committee meeting in Bartlesville and incorporated into the version sent today from J. Rathman
- Budget balanced
- SPE rebate
- Student travel expense policy reviewed

Voted and 2/3 vote met approved @ 2:15 (John Rathman - motioned)

- **Newsletter** Ron Puvak
  - 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. 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 %

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.

Continued on next page
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)

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
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
Marketing Meeting: February 17, 2009
Last meeting: October 7, 2008

Action Item: Agreed to post student resumes on web site and table top at ABC.
Status?: Education committee chair Geoff Ward to provide resume’s.

- ABC needs to increase brand owner involvement
- How to draw them in?
- Could we enlist them to speak?
- Broaden our scope, ask them, conduct a 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.
Board members can also elect to do direct mailings to contacts with conference details.

Status?: The personal touch is needed, Board members to reach out to our contacts!

**Action Item:**
Proposal that each Sponsor be given two 2 free conference registrations for targeted attendees from their direct customer pool. Target end user and converters.

- New Business: ABC 2009 advertising: Improve mechanism to facilitate networking at the Next ABC.

**Action Item:** Table till the October meeting

**OPTION #1:** Tipped in AD in Plastics News
- Advertise the ABC with Plastics News
- Run a one time 8 ½” 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

**Action Item:** Investigate cost of ad in Plastics News

**OPTION #2:** Repeat Plastics News e-mail blast:
- ABC 2008 sent 4,701 e-mails
- 3,156 received
- Unique open 414
- Unique clicks 55
- Visited registration page 15
- Cost: ~ $2,000

**Action Item:** Focus on print material and have the ABC program ready prior to NPE, pass out in board member booths: G. Carr

**Action Item:** Investigate whether the Blow Molding Division can display at the SPE booth during NPE 09 or possibly have a 10’x10’ booth with rotating board member support. Kyle G.

- 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 2009:
  - Publish by:
    - Announce Lifetime awardees
    - ABC 2009 Major article and registrations
    - ABC 2008 presentation – one selected
    - Industrial Blow Molding column – Ben Lopez.
  - Publish by:
    - ABC 2009 focus
    - Column Extrusion blow – Gary Carr.
    - ABC 2008 presentation – one selected
    - Sabic ANTEC paper
    - Sponsorship supplied Press Release Jeff Light to send a note to the sponsors
  - Publish by:
    - ABC 2009 focus
    - Injection Blow Molding column – Ben Lopez.
    - ABC 2009 presentation – Preview???
  - Publish by:
    - ABC 2009 wrap-up
    - PET SBM column – Scott Steele.
    - ABC 2009 presentation – one selected
  - News Briefs
  - Focused columns could be generated.
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