

# Polymer Valley News

The Newsletter of the Akron Section of the Society of Plastics Engineers  
Our 45<sup>th</sup> Year of Education and Service to the Plastics Industry

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## Costs, Schedules, Reservations

Member	\$30.00
Member and Guest	\$50.00
Retiree	\$20.00
Retiree and Guest	\$40.00
Student	\$20.00

Time 6:00 to 9:00 p.m.

Call Cathy Herrin before noon, Dec. 8 in order to receive above prices, and specify any dietary restrictions. Travel time between Tour and Dinner has been added to the times above.

(330) 849-5173 T; (330) 849-5589 F  
cathy.herrin@santoprene.com

**Coming Up:**

- Next meeting – Jan. 24, 2005
- Board meeting Jan. 10, 5:30 p.m. at Americhem

## Holiday Gathering

**Monday, December 13, 2004**



### Hower House

60 Fir Hill

Akron, Ohio 44325-2401

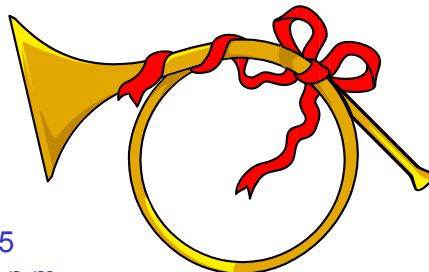


In place of a technical meeting for December, we will have a social gathering at the historic Hower House in downtown Akron near The University of Akron.

There will be plenty of hot hors d'oeuvres, complimentary wine, beer and soft drinks, and a tour of Hower House, including (of course) a visit to the gift shop. A local pianist will provide background music, including the opportunity for all to join in on some Christmas carols.

This will be a great occasion to share the holiday spirit with your colleagues and acquaintances in plastics. Please make your reservation early by contacting Cathy Herrin (see information on the left for cost and reservations). We are limited to 90 people.

You are encouraged to bring your spouse or a friend. See you there ...



# President's Message

Greetings,

I want to thank my fellow board members for helping out last month while I was traveling in Europe and Asia. While at the K-Show I stopped by the SPE booth and serendipitously met Peter Farren, President, and Ray Bush, Councilor, of our Twin Section (the UK & Ireland Section – see article on page 21). In our conversation, we shared insights into our Section needs and member participation in Section-sponsored events. We also exchanged emails and promised to exchange newsletters and ideas as we have done in the past. As usual, the methodology to encourage participation of our members in Section-sponsored events was on the top of our list.

Our thanks go out to the Demag Plastics Group for the tour of their Van Dorn injection molding equipment in Strongsville. The tour was impressive, and our group enjoyed a hearty meal afterwards at the Mapleside Farms restaurant in Brunswick.

With the Holidays around the corner, we want to invite our members to join us for a social event at the Hower House December 13th. Bring that special someone for a lighthearted evening to be remembered.

Best wishes for the upcoming Holidays,  
*Joe Mattingly*  
President, Akron Section



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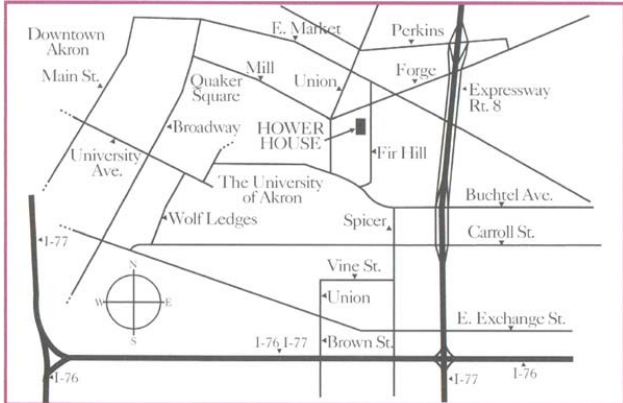


## Map to Hower House

60 Fir Hill  
Akron, OH 44325-2401

Located on the campus of The University of Akron, down town, Hower House is easy to reach from I-76, I-77 and Rt. 8

*You may zoom in*



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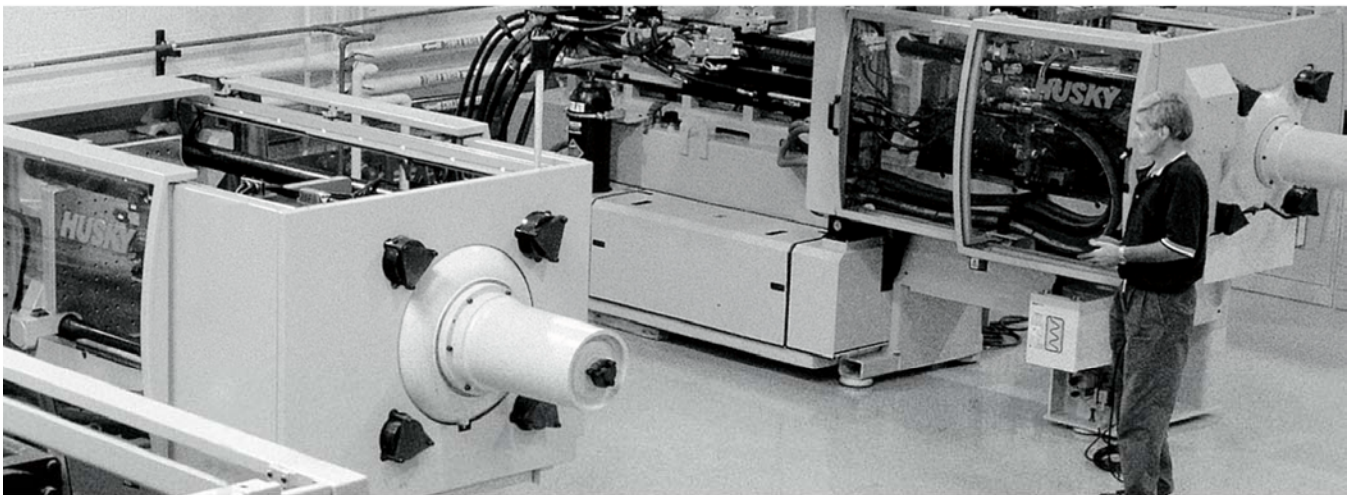


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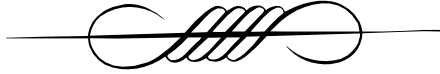
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1960-1961	Milan Krajcik	1983-1984	Robert G. Hills
1961-1962	Foster J. Young	1984-1985	Anthony F. Dean, Jr.
1962-1963	Dickson L. Stoker, III	1985-1986	Gene Buser
1963-1964	Edward L. Hillier	1986-1987	Harry J. Barth
1964-1965	John R. Russell	1987-1988	Judith A. Fallon
1965-1966	John R. Russell	1988-1989	William E. Tosco
1966-1967	Clyde H. Jones	1989-1990	Robert Wegelin
1967-1968	Alan Corry, Jr.	1990-1991	Geraldine R. Stromquist
1968-1969	Bernard M. Saffian	1991-1992	Spencer Keiser
1969-1970	Harold R. Schick	1992-1993	Robert Wegelin
1970-1971	Robert G. Hills	1993-1994	Tony Dean
1971-1972	John J. Satterfield	1994-1995	Wayne Decamp
1972-1973	Alexis M. Gross	1995-1996	Melanie Stewart
1973-1974	Francis J. Maurer	1996-1997	Kevin Hershfield
1974-1975	Leverett A. Anderson, Jr.	1997-1998	Dave Schultz
1975-1976	Robert M. Hershey	1998-1999	John Raab
1976-1977	Richard L. Fleshman	1999-2000	Gary Taylor
1977-1978	David Curtis	2000-2001	Kevin Malpass
1978-1979	John A. Zelek, Jr.	2001-2002	Ken Sharp
1979-1980	Gerald W. Whitnable	2002-2003	Joe Pfeiffer
1980-1981	Kathleen N. Bechter	2003-2004	Robert Wegelin
1981-1982	Victor E. Giuffrida	2004-2005	Joe Mattingly

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# Programs for 2004 / 2005

Sept. 20	“Novel Impact Modification in a TPO System” <b>Ferro Corp., Dr. Anna Andrews</b> --Tangier Restaurant	Jan. 24	Nanocomposite program Featured speaker, <b>Prof. Josh Wong</b> , who is working in expanded graphite flake reinforcement for plastics -- University of Akron
Oct. 25	“The Changing Global Plastics Marketplace” <b>Michael Day Enterprises</b> <b>Michael Day, President</b> , lunch -- Tangier Restaurant	Feb. 21	Program by <b>Berstorff</b>
Nov. 15	<b>Demag Plastics Group</b> , tour of facility in Strongsville, OH -- Mapleside Farms	March 21	Lockheed Martin
Dec. 13	<b>Social Program</b> – still open -- Hower House, buffet	April 18	Vendor Night / Auction -- Martin Center
		May 23	Awards Banquet -- Martin Center



The University of Akron

## The University of Akron Institute of Polymer Engineering

### Polymer Processing and Testing Services

Don't want to invest in expensive equipment at this time? Don't know what equipment is best? Only need the use of the equipment for a short period of time?

Perhaps the best answer to these questions is to contract our polymer processing and testing services.

UA's Institute of Polymer Engineering works with all types of clients in the polymer industry, large companies and small firms, well-established businesses and start-ups. Companies turn to the Institute for assistance because they do not have the capabilities (equipment or personnel) to conduct their own research and testing.

The Institute of Polymer Engineering has a wide variety of specialized equipment needed for polymer processing, characterization, analysis and testing. Some of that equipment is listed here below.

To further discuss your needs, please contact Dr Lloyd Goettler at (330) 972-7467 lgoett@uakron.edu or Cameron Fraser at (330) 972-6008 cfraser@uakron.edu

#### **Analysis and Testing**

- x-ray
- scanning electron microscopy
- atomic force microscopy
- optical microscopy
- laser microscopy
- TGA
- DSC
- FT-IR
- DMA
- APA
- stress strain testing
- rheology
- biaxial stretching

#### **Polymer Processing**

- single-screw extruding
- twin-screw extruding
- film casting
- film blowing
- fiber spinning
- injection molding
- compression molding
- vacuum molding
- blow molding
- compounding

#### **Sample Preparation**

- microtoming
- vacuum drying
- sputter coating
- particle size reducing



# Minutes of Board Meeting – Nov. 8, 2004

**Call to Order:** 5:45 p.m. at Americhem.

**Present:** Joe Mattingly, David Katz, Viv Malpass, Gary Taylor, Bob Wegelin, David Schultz, Zehra Kalkan, Lloyd Goettler, Cameron Fraser

**Absent -** Ron Miller, George Carroll, Bud Seymour, Jerry Robinson, Ernie Anderson, Kathy Perevosnik, Kevin Malpass, Joe Pfeiffer, John Woodside, Tony Dean, Amruth Puttadriah

Thanks to Americhem for hosting- Joe Mattingly

## **NOTE: ACTION ITEMS – IN BOLD**

**Minutes:** October minutes were approved with a couple of changes - notably David Katz and Bob Seymour agreed to help in Spring Golf, noted misspelling of Professor Lloyd Goettler.

**Treasurer:** Gary informed us of status of checkbook and informed that he did forward a \$500 check to ACCESS re Awards Banquet. Gary Taylor looking into Bonding Issues and Tony Dean to look into increased costs at Polysort.

**Officers, 2004:** John Woodside has agreed to be our new VP-Program for 2005/06 year-Thanks John!! Dr. Viv Malpass will be our Councilor for 2004-05. Thanks Viv!! Lloyd informed us of two new potential Board Members: Dr. Sadhan. Jana- as new Student Chapter Advisor and Prof. Josh Wong. Thanks for joining the Board!! Lloyd SPECIAL THANKS for being THE Advisor for many years. Need Auction Chair, Fall Golf Chair -05 and Awards Night.

**Awards 2004 Update:** Joe Pfeiffer is still in process of getting all pictures of Hall of Honor recipients hung at Univ. of Akron. Need Chair for the Event.

**Student Chapter:** Zehra Kalkan informed us the Student Chapter participated in a Coatings Conference in late Oct., they are still working on a newly modified website attached to Polymer Engineering and would like us to add it to our site. A link will be added soon with Tony Dean's guidance. Need to confirm addition. The PESO Group recently had a Career Night- early October and plan another for Nov.29- Jim Scobbo- from GE. The Students are requesting that Industry professionals help with Seminars on Career choices- D. Schultz has checked with Intl.SPE., none. Still await results from SPI and APC. They also would like Alumni Speakers, suggested Student Corner in Newsletter, Student ask questions re jobs at Monthly Meetings, Highlight Students and their interests- monthly, Special Student badges BOARD Members are welcome and encouraged to attend PESO activities! They are planning a Folk Carnival- Nov 12- 6:30- 9:30 p.m. at Polymer Engineering. Await firm date for X-Mas Party will be sent under separate cover to BOARD.

**Newsletter:** If you have anything for newsletter be sure to forward to Joe Pfeiffer or Jenny Digiantonio by Nov 17: Presidents message, program list, board list, last year's ads, and a NEW Consultant's Corner- Technical Articles, Technical advice -SUGGESTIONS are encouraged.

**Membership:** Joe reports via Joe Mattingly that current membership is 404. We are starting to climb with economic conditions improving. Letter being sent to all new Members inviting them to their first meeting at 50% off..



# Minutes of Board Meeting – Nov. 8, 2004 (cont.)

**Councilor's Report:** It is now clear- letter sent informing of the amount we should have received from rebates in 2004. Planning in place to restructure rebate system. There has been a small increase in membership - need to PROMOTE AIM- Viv to get all details and work with D. Schultz to promote. Viv reports that next Council Meeting in Atlanta- Jan 2005, he requested that we review standing policy of specified amount for travel and lodging- agreed and also requested that we review all meetings in the future for approval- Voted that it is very IMPORTANT to have a presence.

**TPE TOPCON 2005:** Dates are set for TOPCON next year Sept 12-14. Ed Tam-Teknor will be representative from TPE-SIG working with Viv Malpass. Tentative 24 papers- Viv to review status with Ed Tam prior to next meeting Nov 10- 5:15 p.m. Hilton.

**Education Committee:** Kathy also reports that we still need to get together the Committee to create proposal for Husky Award next year- Need Volunteers-- contact Kathy Need status- deadline Feb 2005. Several ideas were noted as possible subjects to build a project around including: ACESS new schools-PR, Local Business support of Scholarship- more PR, PR article- Beacon Journal, or Company of the Year Award re Past Presidents. Contact has been made with Aaron Kaffen re website modification- Tony Dean to get with Polysort and see how they can help. Need status.

**Education Foundation:** KEVIN to check status- IMPORTANT Tax penalty on Foundation monies. Kevin to check status of all contributors including Gen Corp. Amruth Puttadriah and Ron Miller are new members. Kevin plans to bring on 5 new Sponsors. **ACTION: Need format ideas as to how to inform Members of those companies that do contribute. Testimonial letters, Poster board etc.**

**Website:** Tony Dean please check on navigation in SPE Intl NEW website. Tony to check with Polysort re cost for additional hot links on website.

**Program:** Program has been finalized for 2004-05 year. Van Dorn Demag- Nov 15, Dec- Holiday Tour at Hower House, Jan- Univ. of Akron- with Polymer Engineering Lab Tour, Feb meeting will be Feb 21 with Berstorff at Lab TBD. Cameron has confirmed Lockheed Martin for March 21- There will now be a Tour. Lloyd feels program needs to be very broad to attract a large audience, like new technology areas. CONFIRM that all Sections surrounding Akron-Cleveland and Firelands have SAME dates. Suggest linking to speaker and tour companies on our website to increase attendance.

**House:** David Katz reports November and December meetings are set- November- Mapleside and December- Hower House with Entertainment- Lloyd and Cameron informed us of details for Dec. Holiday Party- Spouses invited, Bob Wegelin will invite ACESS Board of Directors- Price structure \$30.00.-Single, 50.00- Couple, Student and Retiree- 20.00 includes Entertainment- piano, tour, hors d'oeuvres and drinks.

**Fall Golf: No Golf for 2004.**

**Spring Golf:** David Katz and or Bud Seymour will help a Chair person- Joe M. to contact potential candidates. Date set May 13, 2005 at Barberton Brookside.

**Board suggests that Auction format in the past is much more meaningful and is CRITICAL to continue.** Joe Mattingly to contact Ron Miller re Auction Chair.





# Minutes of Board Meeting – Nov. 8, 2004 (cont.)

**Old Business:** None.

**Treasurer:** Tax form problem still being investigated.

**New Business:** ACESS Meeting- Awards Night Nov 4, David Katz, Bob Wegelin and David Schultz plan to attend. Motion made Bob Wegelin and seconded by David Katz to provide check from SPE-Akron as Donation for upcoming Awards Banquet.

**New Business:** ACESS Meeting- Awards Night Nov 4, David Katz, Bob Wegelin attended. They report that it is was a GREAT turnout 235 people High Schools from all around Summit County. Bob to feed appropriate information to Kathy for contact and follow-up.

**Past Presidents Committee:** Bob Wegelin chaired a meeting and dinner at the Waterloo Restaurant Oct 28, Bob invited all 12 Past Presidents- David Curtis, Kevin Malpass, David Katz, David Schultz and Joe Pfeiffer were present along with Bob Wegelin- Thanks for getting all of us together- Came up with a Past Presidents for 2005-06- Company of the Year Award.-Contact- John Rabb.

- Cameron Fraser will look into D and O Insurance Local and Viv to look into General liability with Intl..  
- Bob Wegelin has forwarded details/history of Twin Section United Kingdom- Joe Mattingly started conversations at K-Show and has sent all Board Members UK Section- Newsletter- look into continue swapping information. Need to have Key contact established.-Joe to determine who that will be in Akron Section.

All moved and 2nd the motion to adjourn. Meeting adjourned at 7:30 p.m.

**Closing Comments:** Continue to think of potential new board members and Committee Members for 2004-2005. Next board meeting on Jan 10, 2005 at Americhem 5:30 PM. Happy Holidays to ALL!!

## Membership Report – Nov., 2004

Current total is **404** paid members.

8 New members. They have been sent welcome emails.

No transfers in or out of section.

2 members renewed.

### New Members

Ramon Conte, Imerys

Peggy Cooper, Buckeye Color

Sergey Q. Lapshin, Univ. of Akron

Alfred M. Paonessa, Praxair

Henry Pawlowski, Alpha Technologies

Ralph Raulie, A.E.S.

Maurice Wadley, Akron, Ohio

### Membership News from National

For fourth month in a row, the number of total members was greater than last year.

•Ahead of last year by over 350 members for October.

•AIM, 83 of 275 have joined! Conversion rate of 30% is strong and much more effective than direct mail campaigns. Only 4% of SPE leaders are participating. Visit [www.4spe.org/communities/ld/aim.php](http://www.4spe.org/communities/ld/aim.php) for details.

•January is national mentoring month. Mentoring is a great way to increase awareness about the industry and the Society. For more information visit [www.mentoring.org](http://www.mentoring.org) and get some ideas to start a mentoring program with your section.



## Akron Section Board of Directors

Joe Mattingly <i>Americhem</i> President	330-929-4213 x274 T 330-929-4144 F jmattingly@americhem.com
Lloyd Goettler <i>U Akron Polymer Engineering</i> President Elect / Prog. Chair	330-972-7467 T 330-258-2339 F lagoett@uakron.edu
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Dave Schultz <i>Harwick Standard Dist. Corp.</i> Secretary	330-798-9300 x212 T 330-798-9328 F schultzd@harwickstandard.com
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Joe Pfeiffer <i>AES</i> Membership / E-News	330-849-5097 T 330-849-5589 F jepfeiffer@santoprene.com
Kevin Malpass <i>GE Polymerland</i> Educ. Found/Fall Golf	216-573-7467 T 216-524-4409 F kevin.malpass@gepex.ge.com
Kathy Perevosnik <i>AES</i> Ed. Committee / Ads	330-849-5119 T 330-849-5597 F kaperevosnik@santoprene.com
Tony Dean <i>Ferro</i> Webmaster / Public Interest	216-750-6664 T 216-750-6915 F dean@ferro.com
Viv Malpass <i>Tek-mark International</i> Councillor	330-342-1120 T 330-342-1134 F tekmark@worldnet.att.net
Dave Katz <i>AES</i> House	330-849-5139 T 330-849-5676 F david.katz@santoprene.com
Cameron Fraser <i>U Akron Polymer Engineering</i> <i>U Akron Liaison</i>	330-972-6008 T 330-258-2339 F cfraser@uakron.edu
Johanna Baena <i>U Akron Polymer Engineering</i> Student Chapter Pres.	330-252-0225 T 330-252-0225 T johanna_baena@hotmail.com
Bud Seymour <i>AES</i> Spring Golf	330-849-5177 T 330-849-5589 F bud.seymour@santoprene.com
Ron Miller Director	330-497-4255 T 330-497-4255 T smiller17@neo.rr.com
Jerry Robinson <i>Polymer Exchange, Inc.</i> Director	330-785-0111 T 330-785-1505 F jrobinson@polymerexchangeinc.com
John Woodside Director	440-238-3009 T 440-238-3009 T johnwoodside@ameritech.net
Amruth Puttarudraiah <i>Schulman</i>	330-972-5834 T 330-258-2339 F amruth@lycos.com
Jenny Digiantonio <i>AES</i> Newsletter	330-849-5166 T 330-849-5589 F jldigi@santoprene.com

## Contacts at SPE INTERNATIONAL

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Brookfield, CT 06804-0403  
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Web: www.4spe.org

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# Society of Plastics Engineers

## “Wonders of Plastics”

### 2005 International Essay Contest

The Society of Plastics Engineers (SPE), with sponsorship from the SPE Sections, 12th annual "Wonders of Plastics" essay contest. Open to all junior high and high school students, the essay must be submitted to the local Section. It can be sponsored by a teacher and **must** meet certain requirements. (see next page)

The winning entry at the Section level will be published and publicized in the Section newsletter and forwarded to the Society's headquarters to compete with winning essays from Sections around the world. The international first prize consists of \$1,000 honorarium and plaque for the student and a \$1,000 honorarium for the school. The winning essay will be printed in SPE's official magazine, [\*Plastics Engineering\*](#).

Some suggested topics to consider:

**Plastics in the environment**  
**Plastics usefulness in American society**  
**Creative use of recycled plastics**  
**How plastics benefit humankind**  
**What plastics has done for me**  
**Why the bad reputation of plastics is wrong**  
**How plastics improve our lifestyle**  
**Advantages of plastics in food packaging**

All essay submissions must be received at the SPE Section address, listed below, along with the entry form, by the announced deadline. Deadline: Jan. 14, 2005

SUBMIT ESSAY TO:

Akron SPE Section Essay Contest

Contact: Kathy Perevosnik

Address: Advanced Elastomer Systems

388 S. Main St.

Akron, OH 44311

Phone/fax/email: 330-849-5119 T,

330-849-5597 F,

[kaperevosnik@santoprene.com](mailto:kaperevosnik@santoprene.com)

**Deadline: Jan. 14, 2005**

# Society of Plastics Engineers

## “Wonders of Plastics”

### Essay Contest Requirements -- 2005

#### GENERAL

Length: Between 500 and 1,000 words

Format: Typewritten in English on 8 ½ x 11 paper (for North America), title to appear as heading on each page; no name on any page except the entry form that must accompany each essay; 1-inch margins minimum on all sides

Deadline: January 14, 2005 to Kathy Perevosnik, Akron Section Contact.

#### ORGANIZATION

The organization structure of the essay will be “logical,” including the following considerations:

Introduction: (optional)

Thesis paragraph: several sentences

Development (body): this section will be several paragraphs and will discuss the theme, analyze it, feature informal research about the theme, etc.

Conclusion: this section will be at least one paragraph in which the author summarizes the ideas presented in the essay

#### MECHANICS

Spelling will be correct; syntax will be readable; punctuation will be conventional. Essay will be free of sentence fragments. References will be used when applicable. Diction (word choice) will be appropriate to the subject and the writer’s understanding of the topic. Point of view will be appropriate to the topic/subject and will remain constant and consistent. A mixture of first and third person is acceptable if it is appropriate to the voice of the essay, however, the use of second person (“you” either stated directly or implied) will change the “voice” of the essay in a manner damaging to its effectiveness. Footnotes and references must be included when necessary.

#### JUDGING

Essays will be judged by a panel of Akron SPE members. The International contest will be judged by a panel consisting of SPE Members, an editor and science teacher. In order to be a finalist, the essay must meet all the conditions as stated in the organization and mechanics above, with only incidental errors in mechanics. It must meet the assigned minimum length and must be submitted following the prescribed format.

Society of Plastics Engineers  
2005 “Wonders of Plastics”  
Essay Contest – Entry Form  
(type or print)

Title: \_\_\_\_\_

By: \_\_\_\_\_

about the author(s)  
name(s) \_\_\_\_\_ age(s) \_\_\_\_\_  
address(es) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

phone number(s) \_\_\_\_\_  
e-mail(s) \_\_\_\_\_  
\_\_\_\_\_

school \_\_\_\_\_ grade \_\_\_\_\_  
school address \_\_\_\_\_  
\_\_\_\_\_

phone/fax \_\_\_\_\_  
class \_\_\_\_\_  
teacher \_\_\_\_\_  
interest/hobbies \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SUBMIT TO: (Deadline Jan. 14, 2005)**  
Akron SPE Section Essay Contest  
Kathy Perevosnik  
Advanced Elastomer Systems  
388 S. Main St.  
Akron, OH 44311

Phone: 330-849-5119  
Fax: 330-849-5597  
Email: [kaperevosnik@santoprene.com](mailto:kaperevosnik@santoprene.com)

## 2004 Award Recipients

### Rubbermaid

**Kathleen Rollick**, Case Western Reserve U

### Goodyear Tire & Rubber Co.

**Nathan Klettlinger**, The U of Akron

### Kenneth L. Sharp Memorial

**Alison Levy**, Cornell University

### Akron SPE - Special Merit

**Matthew D. Ebie**,

**Will Harper**, The U of Akron

**Paolo Hilj**, The U of Akron

**Laura Jones**, Miami U

**Tara McCoy**, The U of Akron

**Jordan Mihalik**, Grove City College

**Janet Christine Schiffer**, The U of Akron

**Nehemiah Scott**, The U of Toledo

**Darnell, White**, The U of Akron

**Crystal Woodside**, John Carroll U

## Scholarships

### Available

Goodyear Tire & Rubber  
Company

Rubbermaid

Kenneth L Sharp Memorial  
Scholarship

SPE - Akron Section  
Special Merit Awards

The Society of Plastics  
Engineers, Inc.  
Akron Section  
Education Committee Chairman  
Kathy Perevosnik  
Advanced Elastomer Systems  
388 S Main St.  
Akron, OH 44311  
330-849-5119  
kaperevosnik@santoprene.com

The Society of  
Plastics  
Engineers  
Akron Section

Educational  
Foundation



2005  
Scholarship  
Program  
Information

## Background

The purpose of the Akron Section SPE Scholarship Program is to promote knowledge in polymer science, engineering, and technology. Started in 1990, it has awarded over \$211,000 to area students. Particular emphasis is given to students enrolling in two- and four-year programs with a plastics application.

Scholarships for up to \$3,000 per year will be granted for tuition, books, laboratory fees, and other educational costs for courses necessary to earn a certificate or associate or baccalaureate degree in preparation for a career in polymers.

## General Information

The Scholarship Selection Committee consists of three to five Akron Section SPE members appointed by the President of the Akron Section.

### Committee tasks include:

1. Judging candidates based on established criteria and selecting scholarship recipients for Board approval.
2. Monitoring recipients' performances.
3. Determining eligibility for scholarship renewals.

### The criteria for candidate selection are:

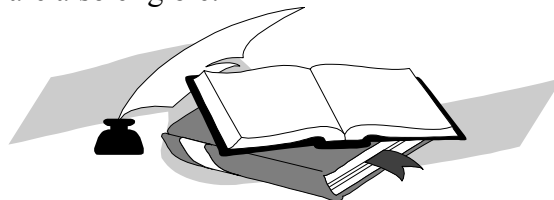
1. Scholastic Achievement
  - a. Grade point average.

- b. Courses and exposure to polymer related subjects).
2. Interest in a plastics career
    - a. Submitting an essay outlining career interests and goals.
  3. Financial need
  4. Social qualities
    - a. Leadership.
    - b. Extracurricular activities.
  5. Two letters of reference from instructors or supervisors. (to be included with application)
  6. Residence within area covered by Akron SPE.

## First-time Applicants

Interested students from local high schools, technical, and vocational schools, and area colleges are encouraged to fill out the attached SPE Scholarship Application form, including the essay, references, and current transcript.

All scholarships are awarded for one year with option for renewal. The awards are for full-time students only. Co-op students are also eligible.



Scholarship applications should be forwarded to:

**Kathy Perevosnik, Chairman**  
**Akron SPE Scholarship Committee**  
**Advanced Elastomer Systems**  
**388 S. Main St.**  
**Akron, OH 44311**

**Deadline is March 1, 2005.**

## Renewal Applicants

### The scholarship recipient must:

1. Maintain a minimum **2.5/4.0** grade point average or equivalent.
2. Submit grade reports and course selections demonstrating polymer-related curriculum **prior to start of next semester.**
3. Apply for renewal scholarship using SPE application form. (References and essay are not required for renewal.)

Names of scholarship recipients will be distributed to donor companies for possible internship or cooperative programs.

The number of scholarships awarded per year will be variable depending on the number of qualifying applicants.



# 2005 Scholarship Application Akron Section - Education Committee

1. Applicant Name: \_\_\_\_\_
2. Home Address: \_\_\_\_\_  
City: \_\_\_\_\_ Zip: \_\_\_\_\_ Home Phone: \_\_\_\_\_
3. School Address: \_\_\_\_\_  
City: \_\_\_\_\_ Zip: \_\_\_\_\_ School Phone: \_\_\_\_\_  
Email address: \_\_\_\_\_
4. Current School: \_\_\_\_\_  
Course of Study: \_\_\_\_\_
5. School/College to be attended: \_\_\_\_\_  
Proposed Course of Study/Major: \_\_\_\_\_  
Expected Degree: \_\_\_\_\_ Cumulative GPA: \_\_\_\_\_

## **New Applicants Only, please continue:**

6. Please briefly describe how you intend to finance your education: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. Current and Past School Activities: (attach separate sheet if necessary) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
8. On a separate sheet of paper, type a short discourse (no more than two pages) describing your enthusiasm and interest in pursuing a career in plastics, as well as how your intended field of study will help you achieve your career goals.
9. Have **two** academic references (instructors or supervisors) provide the committee with their insights on your social qualities, scholastic activities, work habits, and interests. Attach these references to this application.

## **All applications must include a current transcript.**

**All Applicants return application by March 1, 2005 to the following address:**

Kathy Perevosnik  
Akron SPE Scholarship Committee  
Advanced Elastomer Systems  
388 S. Main St.  
Akron, OH 44311



## Akron Section Society of Plastics Engineers, Inc.

The Akron Society of Plastics Engineers Educational Foundation operates exclusively for the benefit of and to carry out the purposes of the Akron Section of the Society of Plastics Engineers, Inc., which is to promote scientific and engineering knowledge relating to plastics by making educational scholarship grants to deserving students in the field of plastics engineering and related subjects. The Organization is supported primarily by contributions from the Akron Society of Plastics Engineers, the Society's individual members and corporations like yours affiliated with the polymer industry.

Since the inception in 1988, the Akron Society of Plastics Engineers Educational Foundation has grown to its current position through the hard work of many volunteers and the generosity of the local business community. Over the twelve years that the foundation has been in existence, it has provided scholarships to over 200 young men and women, totaling in excess of \$100,000 to assist them in furthering their careers in the polymer industry.

Our goal is to continue to grow the assets of the Foundation in order to increase the number of scholarships awarded as well as the size of the awards, and to do so in perpetuity. In doing this, we hope to be able to contribute to the supply of well-trained individuals to support the growth of the polymer industry in the Northeast Ohio area today and well into the future.

When the Foundation began its fund raising activities in 1988, we offered those companies who contributed \$30,000 a scholarship in their name. To date we have two named scholarships -- ***Newell/Rubbermaid*** and ***Goodyear***. We are asking your company to help with the growth of well-trained individuals in the local polymer industry. Please check below:

\$30,000 lump sum     \$10,000 / yr next 3 yrs.     \$5,000 / yr next 6 yrs.

other \_\_\_\_\_

Our named scholarship donors are recognized at the annual Awards Night of the Akron Society of Plastics Engineers. We invite you to present your donation at our Awards Night, which will be scheduled in May.

I am looking forward to your support of this very worthwhile cause by your fine company. Please contact me at 216-573-7467 or e-mail at [kevin.malpass@gepolymerland.com](mailto:kevin.malpass@gepolymerland.com) with any questions. Thank you for your consideration.

Sincerely,  
Kevin Malpass, Chairman  
Akron Section Society of Plastics Engineers, Education Foundation





SOCIETY OF PLASTICS ENGINEERS

## Announcement and Call For Papers

Thermoplastic Elastomers Topical Conference 2005

# **Bounce Back With TPEs!**

*Expanding Materials, Applications & Markets*

*Sponsored By:*

**The SPE Thermoplastic Elastomer SIG**

In Partnership with

**The Akron Section of The Society of Plastics Engineers**

**September 12-14, 2005**

**Hilton – Akron/Fairlawn**

3180 West Market Street

Akron, OH 44333-3365

Presenting the latest in:

- **Market Trends and Economics**
- **Advances in Processing Technologies**
- **Latest TPE Material Developments**
- **Latest Application Developments**

The Thermoplastic Elastomers Special Interest Group (SIG) and the Akron Section of SPE invite the submission of papers for presentation at the 7<sup>th</sup> TPE TOPCON 2005

Please submit paper title, abstract, author/presenter name, affiliation, phone number and e-mail address to:

Edwin Tam,  
TPE TOPCON 2005  
Technical Program Chairman,  
c/o Christie Pourtau  
Teknor Apex Company  
300 Industrial park Road  
St. Albans, VT 05478  
USA  
Tel: 781-259-3757 (O)  
E-mail: [etam@teknorapex.com](mailto:etam@teknorapex.com)

**Abstract Deadline: November 1, 2004**

**Completed Paper Deadline: May 15, 2005**

**Akron Section Society of Plastics Engineers**

Kathy Perevosnik, Advertising Manager  
330-849-5119

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**Insertion Order 2004-05**

Polymer Valley News: Akron Section SPE Newsletter  
Delivered via email, stored at <http://www.akronspe.org/newsletter.htm>

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Please check ad size wanted. One column is 3-7/8" wide.

Rates are for entire season, September 2004 – Summer 2005. **Payable in Advance.**  
**Please let me know if you need an invoice.**

Ad format must be electronic (but we can scan your original artwork). File size should be limited based on the size of the ad ordered. Oversized ads will be charged an additional fee. Acceptable formats are .bmp, .pcx, .jpg, .tif, .gif, or MS PowerPoint or Word (if you have any issues with format, please email us and we can provide assistance). **Color is Free! Color helps your ad stand out!**

**Email artwork and this Insertion Order (completed) as an attachment to [kaperevosnik@santoprene.com](mailto:kaperevosnik@santoprene.com)**

If you don't include your email address, we have no way of sending you each issue!

<b>(please X)</b>	<b>Ad Size</b>	<b>Dimensions</b>	<b>Price for year</b>
	Business Card	One column by 2" high	\$200
	Double	One column, 2 to 4" high	\$300
	Triple	One column, 4 to 6" high	\$400
	Half Page	One column, 10" high	\$500
	Half Page	Page width (7.5"), 5" high	\$500
	Hotlink to company website	N/A	\$75 / year

**The cost on a per issue basis will be calculated by dividing the "Year" price by 10**

**Contact Person**

**Billing Information:**

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Company: \_\_\_\_\_

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Name: \_\_\_\_\_

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Address: \_\_\_\_\_

---

Phone #: \_\_\_\_\_

---

Fax #: \_\_\_\_\_

---

Email address: \_\_\_\_\_

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**Mail checks, payable to AKRON SECTION SPE, to:**  
Akron Section SPE  
c/o Kathy Perevosnik  
962 Morningstar Dr.  
Akron, OH 44307



# Society of Plastics Engineers

PO Box 403, Brookfield, CT 06804-0403 USA  
Telephone: +1.203.740.5403 Fax: +1.203.775.8490  
www.4spe.org

# MEMBERSHIP APPLICATION

## Applicant Information

<b>Name:</b> _____ first last mi		<b>Home Address:</b> <i>(please provide)</i> address: address: city: state: zip: country:	
<b>Applicant Type:</b> <input type="checkbox"/> Member <input type="checkbox"/> Student (must supply graduation date _____)		<b>Preferred Mailing Address:</b> <input type="checkbox"/> Home <input type="checkbox"/> Business	
<b>Job Title:</b> _____		<b>Job Function:</b> <i>(choose only one)</i> <input type="checkbox"/> Consulting (11) <input type="checkbox"/> Design (02) <input type="checkbox"/> Education (08) <input type="checkbox"/> General Management <input type="checkbox"/> Library (10) <input type="checkbox"/> Manufacturing (04) <input type="checkbox"/> Marketing (07) <input type="checkbox"/> Purchasing (06) <input type="checkbox"/> Quality Control (05) <input type="checkbox"/> R & D (03) <input type="checkbox"/> Retired (98) <input type="checkbox"/> Student (09) <input type="checkbox"/> Tech Support (12) <input type="checkbox"/> Other (99)	
<b>Company Name and Business Address (or College):</b> company/college: address: address: city: state: zip: country:		<b>Gender:</b> <input type="checkbox"/> Male <input type="checkbox"/> Female <b>Birth Date:</b> (mm/dd/yyyy) The SPE Online Membership Directory is included with membership. Your information will automatically be included. <input type="checkbox"/> Exclude my email from Online Member Directory <input type="checkbox"/> Exclude all my information from Online Member Directory <input type="checkbox"/> Exclude my address from all 3rd party mailings	
<b>Work Phone:</b> ( )	<b>Fax:</b> ( )		
<b>Home Phone:</b> ( )			
<b>Email:</b> <i>used for society business only</i>			

## Payment Information

<b>New Member 1 Year</b> <input type="checkbox"/> US (\$117.00) <input type="checkbox"/> Canada (\$175.50) <input type="checkbox"/> Euro (€143.00)	<b>New Member 2 Years *</b> <input type="checkbox"/> US (\$202.00) <input type="checkbox"/> Canada (\$303.00) <input type="checkbox"/> Euro (€249.00)	<b>Student Member</b> <input type="checkbox"/> US (\$26.00) <input type="checkbox"/> Canada (\$39.00) <input type="checkbox"/> Euro (€27.00)	<b>Membership Amount</b> _____
<b>My Primary Division is</b> (Division names are below) _____			<b>Primary Division</b> <b>FREE</b>
<b>Additional Divisions are available for a fee. Check below to select Additional Divisions.</b> <input type="checkbox"/> Automotive (D31) <input type="checkbox"/> Mold Making & Mold Design (D35) <input type="checkbox"/> Blow Molding (D30) <input type="checkbox"/> Plastics Environmental (D40) <input type="checkbox"/> Color & Appearance (D21) <input type="checkbox"/> Polymer Analysis (D33) <input type="checkbox"/> Composites (D39) <input type="checkbox"/> Polymer Modifiers & Additives (D38) <input type="checkbox"/> Decorating & Assembly (D34) <input type="checkbox"/> Product Design & Development (D41) <input type="checkbox"/> Electrical & Electronic (D24) <input type="checkbox"/> Rotational Molding (D42) <input type="checkbox"/> Engineering Properties & Structure (D26) <input type="checkbox"/> Thermoforming (D25) <input type="checkbox"/> Extrusion (D22) <input type="checkbox"/> Thermoforming, European (D43) <input type="checkbox"/> Injection Molding (D23) <input type="checkbox"/> Thermoplastic Materials & Foams (D29) <input type="checkbox"/> Marketing & Management (D37) <input type="checkbox"/> Thermoset (D28) <input type="checkbox"/> Medical Plastics (D36) <input type="checkbox"/> Vinyl Plastics (D27)			<b>Additional Division(s)</b> _____ cost for each Additional Division <b>1 year 2 years</b> US \$6.00 \$12.00 Canada \$9.00 \$18.00 Euros €6.00 €12.00  <b>TOTAL</b> _____

CHECK     VISA     AMEX     MASTERCARD

card number \_\_\_\_\_

expiration date (mm/yyyy) \_\_\_\_\_

**PAYMENT MUST ACCOMPANY APPLICATION**  
**Sorry, No Purchase Orders Accepted**

Checks must be drawn on US or Canadian banks in US or Canadian funds.

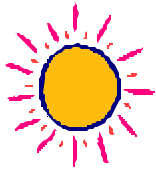
Dues include a 1-year subscription to *Plastics Engineering* magazine.  
SPE membership is valid for twelve months from the month your application is processed.  
\*save over 10%

By signing below I agree to be governed by the Constitution and Bylaws of the Society and to promote the objectives of the Society. I certify that the statements made in the application are correct and I authorize SPE and its affiliates to use my phone, fax, address and email to contact me.

signature \_\_\_\_\_ date \_\_\_\_\_

recommended by member (optional) \_\_\_\_\_ id # \_\_\_\_\_

www 03/06



## SPE (UK & Ireland Section)

### Summer 2004 Newsletter

In this quarters edition several exciting new developments have occurred and many new events are on the cards and planned for the coming month.

As you may remember our Section received an award in 2002 for the fastest growing medium sized section outside the United States. We have continued that excellent growth over the last year and remain at the forefront of the overseas sections in terms of new membership and overall activities. We would like to welcome all the new members who have joined this growing professional community over the last few months.

In our newsletter last year we announced two very prestigious awards and achievements of one of our founder members.

In this newsletter however we focus on the achievements of our development and community activities aimed at increasing the profile of the UK SPE and "...to promoting the scientific and engineering knowledge relating to plastics"... across the UK.

#### **SPE SPONSORS UK TEACHER**

SPE's Peter Murfitt confirms sponsorship for this year's Polymer Study Tour to Trevor Swindlehurst (right) of Thomas Alleyne's High School, Uttoxeter.



*SPE's Peter Murfitt meets up with Trevor Swindlehurst (right) of Thomas Alleyne's High School, Uttoxeter.*

Trevor teaches in the Design and Technology Department at Thomas Alleyne's, the JCB Centre for Technology Education. He was fully funded by the UK and Ireland

Section of the Society of Plastics Engineers when he attended the Study Tour at Manchester Metro University early this year.

The Polymer Study Tour is a jointly sponsored educational initiative based annually at several leading UK technical Universities. The residential course introduces Science and Engineering teachers to Polymer Technology, Manufacture and Application, including local works visits. It promotes wider appreciation of our Industry, enabling teachers to enthuse their pupils in turn.

Its second year of financial support for the Polymer Study Tour, SPE UK and Ireland Section actively encourages educational projects including development of a world-wide network of Student Chapters at under-graduate level, complementing the growing Senior Membership of the Society.

#### **SPE Class of 2004**

Amongst the 11 graduates this year from the BEng Polymer Engineering programme at Napier University were these 3 SPE Student Members.



*- Shown L-R: Simon Spence (1<sup>st</sup> Class Honours), William Braule (2<sup>nd</sup> Class Honours – 1<sup>st</sup> Division) and Manthan Fadia (1<sup>st</sup> Class Honours).*

## Words from the President.

Over the recent past we have seen a significant change in the requirements of members from the society.

The emphasis was on the Geographical sections with the meeting being arranged on a geographical basis and these meetings having a social as well as a plastics contents, so they are both entertaining and informative. There is still a requirement for these types of meetings and some are very successful, as was our recent visit to Bentley Motors (see report elsewhere in this newsletter), but more and more we see the requirement for International Technical Division meetings and conferences, which cover a specific technical discipline within the plastics industry.

This year has seen seven Conferences or Seminars in Europe either organised or sponsored by the SPE or one of its Technical Divisions. These include the Polymer Processing Research Symposium at Queens University in Belfast, the very successful Thermoforming conference at Viareggio Italy and a Rotational Moulding Conference in Rome. Still to come are conferences on Injection Moulding, Extrusion, and Rapid Prototyping and Tooling. For more information check the SPE Website or Contact Yetty Pauwells at European Membership Office.

Another result in this activity is the growing number of technical divisions or technical special interest groups being formed in Europe. Already formed this year are the Rapid Prototype and Tooling SIG and The Irradiation of Polymers SIG. Also being organised at the moment is a Pipe Division and a Medical Plastics Division. For more information on these contact Karen Hatley at Atofina and Gerry McNally at Queens University Belfast respectively.

When you join it is easy to allocate your Geographical Section because normally it is decided by where you live. But technical interests are unique to you and may change over the years. So check the Technical Groups that your membership aligns you to, and if they do not meet your present requirements it can be changed.

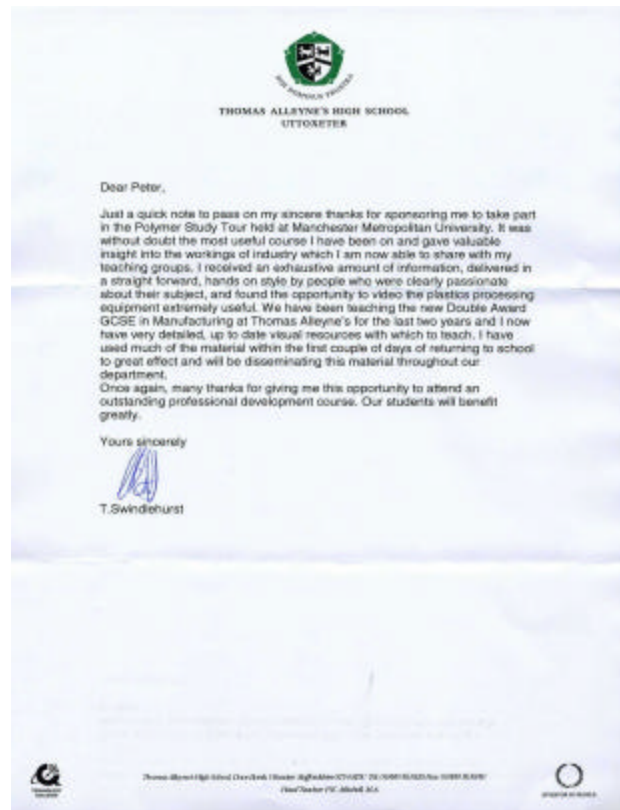
The SPE's aims are to improve the education and transfer of information in The Plastics Industry. As the industry becomes more Global so this interchange must become global as well. The SPE is already significantly achieving this so I am looking forward to seeing you at not only our local section meetings which are great fun but also at the technical meetings for you part of the industry which are truly exchanges of the latest technical information.

Peter Farren

President UK & Ireland Section

## Section News:

*Letter of thanks from Trevor Swindlehurst (above right) of Thomas Alleyne's High School, Uttoxeter.*

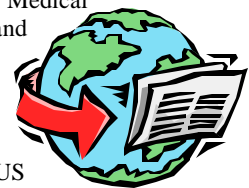


## Events from the last Quarter:

**Event in Ireland** - The first major event of this year took place at Queens University Belfast. This was the second major SPE event to be held in Ireland and offered an excellent opportunity for our members in Northern and Southern Ireland to have their say and meet their fellow professionals. They were also joined by a number of members who made the journey from the mainland to take part in the conference arranged by our very own Gerry McNally.



The event was organised on the basis of developing greater in sight and ties with industry and the university/education sector. Further outcomes of the conference was the establishment of a Medical "European Section" of the SPE and plans for another seminar and conference in 2005. Dates will follow, so keep posted!



Members and guests from the US and European sections attended, and had an enjoyable, beneficial and informative time, and for those who stayed on, the excellent Irish hospitality made it self-evident at all times!

We can only but look forward to next meet!

## **New E- Learning Centre & Membership Benefits:**

### **The first part of the e-learning Center is our Online Presentations.**

These presentations are live and typically one hour in length. They are accessed via the Internet and a phone line. The presentation is presented in PowerPoint format and there is the ability to ask questions of the presenter via the phone line. Our online presentations are recorded and archived. The archived presentations are then offered through the center for those that were not able to attend the live event. Here is a link to our presentation schedule: <http://www.4spe.org/trainingeducation/olt/presentations.htm>

### **The next part of our center is Online Courses/Archived Online Presentations.**

Self-paced online courses are being developed with SPE members on a wide range of topics. These courses are self-paced and offer short quizzes and evaluations. Currently we offer courses on the Introduction of Polymers and we're developing courses based on our Injection Molding Technician's Toolbox. In addition all of our live online presentations can be accessed as archived presentations. Here is a link to our courses: <https://members.4spe.org/eLearning/courselist.cfm>

### **Our third area covers Other Providers.**

SPE has partnered with other providers of online learning to bring our members as much training and knowledge as possible. You'll find live online presentations posted on our website from CT Consulting and Omnexus. CT Consulting offers presentations on management, training, safety and many other areas. In addition they are available for individual company training on a wide range of topics. CT Consulting: <http://www.ctconsulting.com> Omnexus offers our members free presentations that tend to have a more commercial spin. They allow our members to stay abreast of new technologies, materials and processes. Omnexus: <http://www.omnexus.com>

Here is a link to our schedule: <http://www.4spe.org/trainingeducation/olt/presentations.htm>

Furthermore, SPE has introduced a number of new membership benefits for its members. Online access to ANTEC proceedings is now included with the paid membership. Go to <http://www.4plasticsresearch.org>. Click on the login prompt, enter your member ID and last name and begin searching.

### **Upcoming Events & Exhibitions:**

Food Packaging 2004 – Copenhagen, Denmark.  
September 7-8, 2004  
<http://www.hexagon.dk>

Kunststoffen 2004– Veldhoven, Netherlands  
September 29-30, 2004  
<http://www.kunststoffenbeurs.nl>

Istanbul Packaging Fair – Istanbul, Turkey

September 29 October 3, 2004  
Info: <http://www.tuyap.com.tr>

K2004 – Dusseldorf, Germany.  
October 20-27, 2004  
<http://www.k-online.de>

Medical Plastics 2004 –Copenhagen, Denmark.  
November 1-4, 2004  
<http://www.hexagon.dk>

Euromold – Frankfurt, Germany.  
December 1-4, 2004  
<http://www.euromold.com>

SPE will be represented at some of the following international exhibitions during the rest of 2004. If you are visiting any of these exhibitions, please come and visit the SPE stand.

### ***During K2004 in Dusseldorf, Germany.***

On October 23rd, 2004 from 5:00pm and onwards it is the UK Section's Social Hour! We would love all our existing members and interested parties to come and join us for the evening!

### **SPE visit to Bentley Motors Crewe 20th May 2004**



On the evening of the 20<sup>th</sup> May nearly 30 members and guests were hosted to a factory tour and Talk entitled "Polymers in the Bentley Continental".

After a welcoming cuppa we were split into small groups and shown around by the Bentley factory guide team. All long-standing employees with a wealth of knowledge and history and many humorous tales.

Firstly the heritage centre with many famous old Bentleys on show. Then the factory tour and was gratifying to see that although there had been considerable investment by the new owners of Bentley, The Volkswagen Audi Group, pride and place were given to the traditional coach building crafts not all that common in a modern production built vehicle. Although all present were plastics engineers we could not fail to be impressed by the

work in wood and leather. There are so many skills and stories relating to these two crafts you had to have been there to appreciate them.

The talk entitled “Polymers in the new Bentley Continental” really brought Bentleys quality philosophy into focus. At Bentley polymer means everything in the car that is not metal. So not only plastics but also paint wood and leather come into this grouping. In fairness there is not that much plastic in a Bentley Continental and that is why it weighs nearly 2 tonnes. Keith Watkinson who is in charge of “polymers” gave entertaining and amusing talk. Although Keith joined Bentley from the polymer business not that long ago he seems to have been indoctrinated by the Bentley definition of polymer and thoroughly enjoying it. A supper followed that reflected the Bentley quality and gave all a chance to quiz Bentley personnel present.

A few of us did reach for our cheque books at the end of the evening but realised it was pointless. One of our best factory visits thoroughly enjoyed by all that attended.

## **UK and European Situation.**

Within the UK and Europe we are seeing change in the requirement from our membership. Members are now more interested in Global technology based divisions as well as their local geographical divisions.

Within in the UK and Europe more new technical groups are being formed and they have been publicised elsewhere in this publication and the monthly European newsletter, which is now being electronically circulated.

This membership not only has the advantage of a local section where they can network with fellow plastic

professionals and enjoy informative and entertaining events but also join in European or Global technical divisions that embrace their particular interest in the plastics industry.

## **Your Contacts:**

As usual please get in touch with your news and views with any of the SPE Committee contacts for SPE – UK & Ireland Section.

Peter Farren – President; Tel (01962) 734000; [spe@petram.co.uk](mailto:spe@petram.co.uk)

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