

POLYMER VALLEY NEWS

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

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Costs, Schedules and Reservations

Members	\$22.00
Member plus Guest	\$35.00
Retirees	\$15.00
Students	\$10.00

Social	5:30 p.m.
Dinner	6:15 p.m.
Presentation	7:00 p.m.

Call Cathy Herrin before noon,
Oct. 17, and specify any dietary
restrictions.

(330) 849-5173 T

(330) 849-5589 F

cathy.herrin@santoprene.com

TopCon '03 was well
attended last month.
Details will follow in the
November Newsletter.

Coming Up:

- November meeting:
Nov. 24th at Tangier
- Board meeting Oct. 6 and
Nov. 10, 5:30 p.m. at AES

Technical Meeting

Monday, October 27, 2003

Martin University Center

105 Fir Hill Street

East Side of University of Akron Campus

Process Water Systems

By Ted Rudy

Process Cooling Systems, Inc.



Water, like electricity, is required in order to process plastics. Whether it's injection, compression, extrusion, blow molding, compounding or thermoforming, it's a necessity. Your process cooling system has a major impact on your process and your bottom line. This presentation will provide information to help you improve the performance and efficiency of your process water system and includes the following:

- Types of Process Water Systems and Their Application
- Sizing and Selection of Equipment for Peak Performance, Reliability and Efficiency
- Process Water System Designs for Process Optimization and Energy Efficiency

See page 4 for
Mr. Rudy's biography



President's Message

Wow! What a great turnout for TPE TOPCON 2003. Looks like a "jam-packed" success. Thanks to Viv Malpass and the Akron Section Committee for all their hard work. Another big thanks to Larry Johnson and the TPE SIG for all their months of paper chasing and inviting us to help.

Our Fall Golf Outing and Clambake didn't generate enough interest and we had to cancel it. This appears to be an example of SPE having to compete for member's time.

The board had a good meeting on September 8th and the enthusiasm was high. We've had several new people interested in helping on committees. Looks like the "TINGLE" is coming back to the section and, just maybe, we can have an exciting year that keeps our goal of promoting education in plastics moving forward.

Thanks to our Program Chair and Committee, we have some informative and fun events planned. Check the newsletter and mark your calendar so you don't miss them.

See you at our next meeting !!!

Invite someone to Cost Managing Process-Cooling Systems with Ted Rudy on the 27th at the Martin Center. GET THAT SPE COMPETITIVE EDGE.

Thanks,
Bob Wegelin, President



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Programs for 2003 / 2004

- SEPT. 22-24 Thermoplastic Elastomers
TOPCON -- Hilton
- SEPT. 26 FALL GOLF OUTING
-- Raintree CC
- OCT. 27 Injection Molding – **Process Cooling Systems, Mr. Ted Rudy**
experiences with Injection Molding, Extrusion and Blow Molding engineering and design applications
-- Martin Center
- NOV. 24 Color & Appearance –
Americhem, Inc.
Mr. Rick Mathew COO, lunch
-- Tangier
- JAN. 20 Joint Meeting with NTNA, SCMS
-- Guy's
- FEB. 23 Extrusion –Tour- **Diamond America** (single screw manufacture) + talk by **Diamond America & CA Picard** (twin screw elements)
--Tallmadge/Falls
- MAR. 22 Tour - Harry London Chocolate –
Food Packaging
-- 356TH Fighter Squad
- APR. 26 Auction -- Martin Center
- MAY 14 Spring Golf and Lunch
-- Barberton Brookside
- MAY 24 Awards night -- Martin Center

Future Newsletters

Please send all information for future editions of this newsletter to Jenny Digiantonio at:

jjldigi@santoprene.com

The deadline for each edition will be one month before the upcoming meeting date (see program schedule on this page). This will allow one week for preparation of the information so it will be available to you three weeks prior to each meeting.

Along with the bookmarks on the left side of the page that take you to each article and vendor, we have included a *free feature in this edition only* (see *Insertion Order* on page 13 to request this for future editions). You can click on any vendor advertisement in this electronic issue to immediately visit their web site.

Coming Up:



*Spring
Golf Outing*

Barberton Brookside Country Club
May 14, 2004

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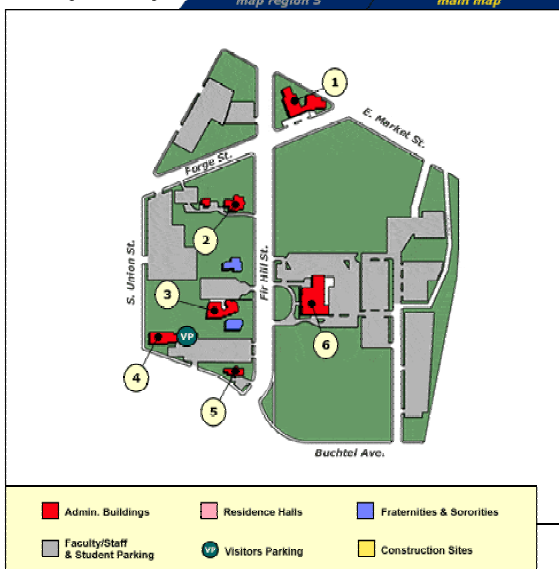
Map to Martin University Center 105 Fir Hill Street Akron, Ohio

Directions: Exit Ohio 8 at Buchtel Street (between Central Interchange with I-76/ I-77 and the high bridge). Go West one block to Fir Hill and turn North. Parking lot is on the north side of Martin University Center.

If the ramp from 76/77 to Route 8 is still closed, traffic from the West should use the Route 59 detour, exit at Cascade Plaza and come up Mill Street past the APTC to Forge and then Fir Hill.

You may zoom in

Campus Map



Ted Rudy, Biography of Speaker

For the past 12 years, Ted Rudy has been Engineering Manager for Process Cooling Systems, a company that specializes in the design, construction and installation of process water systems for use in the plastics industry. During his tenure, Process Cooling Systems has experienced significant growth because of their ability to provide energy efficient process water systems designed to optimize the customers' process. They have also provided consulting services to major electric utilities to obtain millions of dollars of incentive payments to their customers for the design and installation of energy efficient process water systems.

Prior to this, Ted spent 10 years with BASF Corp., first as a project engineer and then as Engineering Manager responsible for Facilities and Maintenance.

Ted has an Associate's Degree in Maintenance Engineering and a Bachelor's Degree in Mechanical Engineering. He is certified in Energy Management by the Association of Energy Engineers. He has participated in programs put together by the Connecticut Department of Environmental Protection, Massachusetts Department of Economic Development and the Narragansett Water Resource Authority designed to educate industry on the efficient use of water and the energy efficient design and application of process water systems for industrial process cooling.



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Announcements

Announcing the **2003-04 Essay Contest** (see page 8 in this issue for details). The essay contest deadline is February 2, 2004.

The 2003-04 Akron Section SPE **Scholarship Brochures** will be available soon. The scholarship application deadline will be February 15, 2004. Keep an eye on the newsletters and the www.akronspe.org website for more details!



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Education Committee

The Education Committee is looking for member assistance in sharing information with local schools and PTAs. Please contact Kathy Perevosnik, kaperevosnik@santoprene.com, if you have a contact that can use this information.

One of the missions of SPE is to promote plastics education, so why not make sure we promote it within the whole Akron Section (which covers parts of SEVEN counties!). Be sure to contact Kathy with any questions you may have.



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Craig Grant Poly-Logic Member	614-486-4380 T 614-486-4381 F cgrant@e-zcolor.com
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Contacts at SPE INTERNATIONAL

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Society of Plastics Engineers

“Wonders of Plastics”

2004 International Essay Contest

The Society of Plastics Engineers (SPE), with sponsorship from the SPE Sections, (Akron, Carolinas, Detroit, Kansas City, Kentuckiana, New York, Ohio Firelands, Mid-Michigan, Milwaukee, Palisades, Piedmont Coastal, Philadelphia and Western Michigan) and the Marketing & Management and Thermoset Divisions, present the 11th 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.

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 a \$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**
- Plastic's 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.

SUBMIT ESSAY TO:

Akron SPE Section Essay Contest

Contact: Kathy Perevosnik

Address: 962 Morningstar Drive
Akron, OH 44307

Phone/fax/email: 330-849-5119 T,
330-849-5597 F,
kaperevosnik@santoprene.com

Deadline: February 2, 2004



Society of Plastics Engineers

“Wonders of Plastics”

Essay Contest Requirements -- 2004

GENERAL

Length: Between 500 and 1,000 words

Format: Typewritten in English on 8½ 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 margin minimum on all sides

Deadline: February 2, 2004 to 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.

JUDGING

A panel consisting of SPE members, an editor and a science teacher will judge essays. 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
2004 “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 February 2, 2004)

Akron SPE Section

Kathy Perevosnik

962 Morningstar Drive

Akron, OH 44307

Phone: 330-849-5119

Fax: 330-849-5597

Email: kaperevosnik@santoprene.com



Minutes of Board Meeting -- Sept. 9, 2003

Call to Order: 5:30 pm at AES, Akron

Present: Tony Dean Ken Kear Ron Miller Sayata Ghose
Kevin Malpass Joe Pfeiffer John Woodside Jerry Robinson
David Schultz Gary Taylor Bob Wegelin
Absent - Joe Mattingly, George Carroll, David Katz, Kathy Perevosnik

NOTE: ACTION ITEMS underlined and italics

Minutes: Joe Pfeiffer moved, Tony Dean seconded motion to approve all outstanding minutes. Motion carried.

John Woodside introduced new member with potential interest in Board - Jerry Robinson from Polymer Exchange.

Fall Golf Update: Kevin and Joe Mattingly are coordinating this event. Kevin is seeking donations for door prizes – contact him if you can help. The flyer is on the website and has been distributed to members. We also advertised with Cleveland section (KM) to check status. Deadline Sept 19. No foursomes signed up to date. Kevin checking on cancellation policies Clambake group and Raintree.

Awards 2003 Update: Joe Pfeiffer is working on getting photos and hanging them at U of Akron. He is continuing to locate the photos for 2001/2002. Speaker is needed for Spring.

Treasurer: Jeff Stachler to turn books over to Gary Taylor this week 9-8. Jeff has paid bill for Auction and Auctioneer. The first portion, a \$5,000.00 check, has been sent to Akron Foundation (Education) and the remainder will be sent in October after TOPCON. Ken Sharp Memorial Fund has also contributed \$1,000.00 which has been sent to Fund.

Officers, 2003-04: We will continue to fill open positions looking for Auction Chair - Ron Miller may handle Chair for 2004, First VP Section (Program). Ron Miller and David Schultz confirmed for Education Committee. Kathy included membership status with August list, because you can't officially be on the board without being a paid member.

Student Chapter: Sayata reports they have chosen a new President for SPE Chapter - Johanna Baena. Posters presenters (6) are set for TOPCON, Student Volunteers (5) are set for TOPCON. Orientation Meeting for SPE Student Chapter- encouraged Board attendance set for Sand Run Park - Sept 19 5:00 PM?? Confirming time at Shelter off Merriman Rd.

Newsletter: The newsletter has now been outsourced with Board approval to Jenny Digiantonio. Need to make sure SPE Akron owns content and forms developed. If you have anything for newsletter be sure to forward to Joe Pfeiffer by Oct 3, 2003, plan to include presidents message, TopCon follow up, Councilors Report, program list, board list, last year's ads, Oct. meeting info.

Councilor's Report: Ken reminded the board of the Sept. 30 deadline for HSM and Fellows. Ken also reported that International has cut work force by 5% and 2004 looks to be a very tight year as well. The Councilors will vote on suspending dues Rebate Program for 2004 and 05. The Board voted not to suspend dues Rebate Program and offered several alternatives. Next Council Meeting set for Charlotte, NC, Sept 20.



Minutes of Board Meeting (*continued*) -- Sept. 9, 2003

TPE TopCon: Pre-registration deadline was Aug. 30th. So far 131 people are registered and 73 Table Top participants. There are 32-33 Table Tops set and 6 Posters. Lloyd Goettler plans to also have Univ. of Akron – Table Top but it maybe unmanned. Kevin and Gary to check for duplicates. Room nights at Hilton have reached a breakeven point. Next TOPCON meeting set for Wednesday, Sept 10 at Hilton 5:30 PM

Education Committee: Kathy met with Kevin on getting out fall scholarships. Will meet to discuss advertising for Essay and Scholarships early.

Education Foundation: Kevin stressed need to push for new contributors to the foundation. Kevin agreed to put together a packet for each Board Member to provide to our companies. The Foundation has paid out all Scholarships for 1st semester. Fund has now turned around and is positive after a number of down years. Goodyear and Rubbermaid may be exiting the Foundation due to financial situations at present. Kevin to check status of all contributors including GenCorp.

Program: Program has been set:

- Sept. 22-24: TPE TopCon – Akron Hilton
- Sept. 26: Fall Golf – Raintree Country Club
- Oct. 27: Process Cooling Systems (Ted Rudy) – Martin Center
- Nov. 24: Color and Appearance: Americhem (Rick Matthew) – lunch at Tangiers
- Jan. 20: Joint meeting with NTNA, SCMS – Guys Party Center
- Feb. 23: Tour: Diamond America; speakers: single and twin screw elements - Tallmadge/Falls area (location TBD)
- Mar. 22: Tour: Harry London Chocolate/Food Packaging; speaker: packaging – 356th Fighter Squad
- Apr. 26: AUCTION – Martin Center
- May 14: Spring Golf – Barberton Brookside
- May 24: Awards Night – Martin Center

Suggest linking to speaker and tour companies on our website to increase attendance.

Suggest creating/sending a pocket schedule with meetings and board contact information to all members.

Need to explore methods potential hot link to company websites for future PR.

House: Dave Katz and Ernie Anderson to book venues and handle RSVPs. We need Dave to be present as he brings cookies and pop to board meetings. Suggestion to look into getting a counter on meetings for people who are interested (no actual registration, just a counter). Not discussed Sept. Board.

Spring Golf: Bud Seymour has been on committee before set for May 14 - Barberton Brookside.

Awards Night 2004: Joe Pfeiffer will chair.

Old Business: Akron Section SPE has been asked to join ACESS, a group of Technical societies in Akron Area - Joe P to attend a meeting.

New Business:

• TPE SIG asked if Akron would be permanent home of TopCons. Board is reconsidering the option for every two years. Tabled actual vote until this year's TopCon is complete.

• Tony Dean will try to find our old file cabinet of historical files at APTC. Kathy offered her basement for storage if we locate the files.

Tony Dean moved and Joe seconded the motion to adjourn. Meeting adjourned at 6:33 pm.

Closing Comments: Continue to Think of potential new board members and Committee Members. Next board meeting on Oct. 6, at AES.



Akron Section Society of Plastics Engineers

Kathy Perevosnik, Advertising Manager
330-849-5119

Insertion Order 2003-2004

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

Please check ad size wanted. One column is 3-7/8" wide. Also note our new option of having a hotlink to your company within our newsletter. *We are including a free hotlink to all advertisers in the October issue as a preview.*

Rates are for the entire season, October 2003 through Summer 2004. **Payable in Advance. Please let me know if you need an invoice.**

Ad format must be electronic or 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. **Color is Free! Color helps your ad stand out!**

Email artwork and this Insertion Order (completed) as an attachment to kaperevosnik@santoprene.com. If you don't include your email address, we have no way of sending you each issue!

(Selection)	Ad Size	Dimensions	Price
	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

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Akron, OH 44307





Society of Plastics Engineers

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MEMBERSHIP APPLICATION

Applicant Information

Name:

 first last mi

Applicant Type:
 Member
 Student (must supply graduation date _____)

Job Title:

Company Name and Business Address (or College):
 company/college:

 address:

 address:

 city: state:

 zip: country:

Work Phone: () _____ **Fax:** () _____

Home Phone: () _____

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 Quality Control (05)
 R & D (03)
 Retired (98)
 Student (09)
 Tech Support (12)
 Other (99)

Gender:
 Male Female

Birth Date: (mm/dd/yyyy)

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Payment Information

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<input type="checkbox"/> Canada (\$175.50)	<input type="checkbox"/> Canada (\$303.00)	<input type="checkbox"/> Canada (\$39.00)
<input type="checkbox"/> Euro (€143.00)	<input type="checkbox"/> Euro (€249.00)	<input type="checkbox"/> Euro (€27.00)

Membership Amount _____

My Primary Division is (Division names are below) _____

Primary Division **FREE**

Additional Divisions are available for a fee. Check below to select Additional Divisions.

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<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)

Additional Division(s) _____

cost for each Additional Division

	1 year	2 years
US	\$6.00	\$12.00
Canada	\$9.00	\$18.00
Euros	€6.00	€12.00

TOTAL _____

CHECK VISA AMEX MASTERCARD

card number _____

PAYMENT MUST ACCOMPANY APPLICATION
Sorry, No Purchase Orders Accepted

expiration date (mm/yyyy) _____

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 # _____

Akron Section Society of Plastics Engineers, Inc.

8-12-03

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 with any questions. Thank you for your consideration.

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

