SPEctrum



MIAMI VALLEY SECTION

S O C I E T Y O F P L A S T I C S E N G I N E E R S

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SPEctrum is the award winning newsletter of the Miami Valley
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MAY MEETING INFO

We plan to do things a little differently this month, we will invite some area micro-injection molding machinery makers to do table-top information booths about "Micro-molding machinery". We will have Dr. Bob Monter speak, and allow the machinery representatives to speak about the equipment they have to offer for this Nano-technology. Information tables will be open following the Board meeting at 6:00 PM. Social time is still until 6:30, come and stay for dinner, or wait in the Continental Lounge until the meeting starts at 7:45.

Dr. Bob Monter-Biography

The emphasis of my talk will pertain to bringing an awareness to the plastics industry of the importance of nanotechnology. More specifically, the discussion will focus on nanotechnologies which have been developed by the Air Force Research Laboratory and Ohio-based companies. Due to their unique size, nanomaterials can greatly enhance the performance of plastic materials such as tensile strength, modulus, heat distortion temperature, and conductivity. Several new classes of nanomaterials will be discussed.

Dr. Monter graduated from Marietta College, Marietta, Ohio in 1962 with a Bachelor of Science degree in Chemistry. In 1967, Dr. Monter graduated from Purdue University, West Lafayette, Indiana with a Ph.D. in Organic Chemistry. Later in his career, Dr. Monter received a Masters in Business Administration degree in Marketing from University of Dayton.

Dr. Monter was employed by the Union Carbide Corporation from 1967 to 1971 at their Research and Development center in South Charleston, West Virginia. During that time, he developed new condensation polymers and was a member of the marketing team responsible for the introduction of new urethane polyols.

Dr. Monter joined NDM Corporation, Dayton, Ohio in 1971 and over the next ten years developed prefilled EKG Electrodes, Electrosurgical Grounding Pads, and biocompatible polyurethanes for long-term indwelling devices. These efforts led to a number of patents in the biomedical field.

After spending three years with Emerson Electric developing new solid-state switches, Dr. Monter started Thermacon, Inc., Dayton, Ohio. Thermacon was the manufacturer of conductive plastic over-current switches used to protect subfractional horsepower motors and solenoids used by the auto industry. Thermacon was sold to RayChem Corporation, Menlo Park, California in 1994. He remained an employee of RayChem untill 1996.

After serving as a sales representative selling capital equipment to the plastics processing industry, Dr. Monter joined Wright Technology Network as a Technology Specialist in 1999. As Senior Technology Specialist, he is responsible for leading the commercialization of The Air Force Research Laboratory Propulsion Directorates technologies.

ALEX'S CONTINENTAL DAYTON Dayton 1-75 State Route 725 Alex's Continental DIRECTIONS Exit 44 from I-75 St. Rt. 725 West 1/2 Mile on south side of 725

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IF YOU OR YOUR COMPANY have information that may be of interest to the Miami Valley SPE and would like that information published in the *SPEctrum*, please contact Bob Rajkovich, Editor, at 937-434-7515, or by fax at 937-434-7516, or by email at bobr@gemcity1.com.



Be sure to notify SPE National (203-775-0471) of your new address so you don't miss a single copy of SPEctrum or other items of interest to you in your career. We'll also transfer you to your new Section and let them know you've arrived!

SOCIETY OF PLASTICS ENGINEERS, INC.

CALENDAR OF EVENTS 2002

May 2 Nano Technology

Alex Continental

June 10 Golf Outing (see page 4)

Hamilton Elks Club

Alex Continental is located just West of I-75 on SR 725 in Miamisburg, Ohio. Take exit 44 (Dayton Mall exit), go west 2 blocks, Alex's is on the left next to Paxar Monarch.

ANNOUNCING THE 2003 STAR AWARD ACHIEVERS

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Detroit Section Piedmont Section

Cleveland Section Pioneer Section

Golden Gate Section Rochester Section

Kansas City Section Southern Section

Lehigh Valley Section Southern California Section

Milwaukee Section South Texas Section

Mid-Michigan Section Western Michigan Section

New York

MEETING NOTICE DETAILS

MEETING DATE: MAY 2, 2002

Advance Reservation required by APRIL 31, 2002 To reserve, call or fax:

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MEETING AGENDA FOR MAY 2ND

PRESIDENT'S MESSAGE



Hello Miami Valley SPE!

It seems hard to believe that summer is already upon us, and it is and has been a busy time for MVSPE. I would like to begin by congratulating our supporters, members, officers, and the Board of Directors for making the past year another success for our chapter. I also want to thank the Board members and Officers who are stepping away from their positions for the efforts and results they provided, as well as welcome and congratulate one new Board member and the new Officers for the upcoming year. For 2002-2005 Robert Jergens joins the Board of Directors while for 2002-2003 Paul Moore will be our President Elect, I will move into the Past President role, and Frank Maus is our newly elected President. Tom Cross will remain Secretary, Richard Hauck will remain Treasurer, and Dan Tomo will remain International Councilor.

Congratulations are also in order for the newest student chapter that is about to become a member of MVSPE. We look forward to Sinclair Community College joining us after ANTEC this May. For our May and final meeting of the SPE year we will be having a presentation on the topic of Nano Technology at Alex's Continental. I hope that as many people as possible will attend not only this meeting, but also the Golf Outing to help end the year on a positive note.

Finally, on a personal level, I would like to thank everyone for their input and support that made for an excellent and enjoyable year of MVSPE. I have truly enjoyed my time as President, and have also enjoyed the opportunity to work and help advance the chapter. Despite some hectic times it was a great overall year, and I look forward to all of us continuing the chapter's progress in the years to come.

Thank you, Ken Lewis MVSPE—President

the sixth annual

BYRON NELSON MEMORIAL GOLF CLASSIC



Monday, June 10, 2002 Hamilton Elks Country Club

Preparation for the Sixth Annual Byron Nelson Memorial Golf Classic is just about complete. Again this year, we will have 27 holes for the event. Therefore we will be recognizing the three low net foursomes, i.e. Blue/Red Course, Red/White Course and White/Blue Course. Other pertinent details include:

- 11:00am shotgun start
- Four person scramble (include each player's handicap with registration)
- Lunch on the patio 10:30am—2:30pm
- Closest to the pin prizes
- Longest putt prizes
- Low net per foursome recognition
- Beer and soft drinks on the patio and on the course
- Sit down steak dinner
- and much more!

All this for \$120 per person.

Registration forms will be mailed May 1, 2002.

Hole sponsors are needed to raise money for the Education Fund. Please see the letter and hole sponsor registration form in this *SPEctrum*.

One more important piece of information:

THE ELKS HAS BANNED STEEL SPIKES.

All golfers must be wearing shoes without steel spikes.

The Golf Committee



MARCH 2002 MVSPE BOARD MEETING MINUTES

MVSPE March Minutes-March 7, 2002

Attendees: Dan Tomo, Dick Hauck, Paul Moore, Rolly Bedard, John Pierce, Ken Lewis, Don Keyes, Tom Cross, Frank Maus, Mickey Brandon and Bob Rakjovich

Minutes: Accepted with revisions.

Treasurer's Report: A year to date total column has been added to the spreadsheet. In February we two expenses were the website and cost of sending Dick to Antec. Dick has collected more ad money and there is now only one account that has not paid. We have not gotten our rebate yet from National SPE. Dan motioned to accept the treasurer's report and Tom seconded it. The minutes were accepted with revisions.

International Council: The next meeting will be held on May 4 and 5th in SF, CA. The Summary of the council meeting was forwarded to Pam at Versaprint. Dan is checking with National to make sure Sinclair Community College is on the agenda to become a chapter. Dan does not want any glitches. Dan is trying to get it voted on in CA.

Membership: I will get it tomorrow. Need to check for last months new members.

Program: Troy Nix of MAPP presents Tonight's program. Next Month, in April Frank has some ideas for the program. It will be in Cincinnati at the Doubletree. There will be three meetings at the Doubletree next year. The May meeting is going to be nano- technology. Dr. Bob is going to talk about nano-technology.

House: We will have close to 30 people tonight.

Education: The winners have been decided. Advisors are being contacted to make sure they appear at the meeting.

Newsletter: Most people did not get their newsletter. Will need everything by next Friday the 15th. Bob asks about who the speaker will be for Education Night. If no speaker, then we will only have awards.

Golf Outing: We lost a small amount of money on the Golf outing last year excluding the \$6000 dollars generated for the Education fund. The Elks will be keeping the cost the same as last year. Dan would like to know if we should up the prices for next year. After some discussion, we will be increasing golf outing by \$5. Vote stands. Consensus is to go with the caps. Dan Tomo is going to make the decision on prizes and door prizes. We should have the have flyers ready by the April meeting.

Special Events: Grand Victoria is not looking so good for a Casino visit.

Recycling: It was a very good time again this year. Kudos to Bob and his son for another job well done.

Historian: John received 4 boxes of material from Rolly for an article next month.

Awards: Nothing to report. Working on the student awards for Don Keyes. The special person award will be next week.

Advertising: See Treasurer's report

Retec: Nothing to report. Plastic Encounter in Indianapolis is in September. We are trying to organize a field trip from the section to go there.

Public Information: Nothing to report.

Nominations: None.

IT Report: We are now live on the web. Bob, Dean, Ken, Frank and Erin have worked diligently on our web page.

Old Business: Dick printed out a 3-year calendar so we can plan meetings for next year. Bob presented the past presidents list to Dean K. Mickey needs it to see that they get their pins.

New Business: ANTEC will be here in 2007.

EQUIPMENT GRANT AVAILABLE FROM THE SPE FOUNDATION

Are you a teacher who is considering expanding the curriculum at your school to include thermoforming? Or does your curriculum already include thermoforming, but you're in need of some new equipment? Then you may be interested in the newest grant program offered by The SPE Foundation in conjunction with the SPE Thermoforming Division.

The matching grant program provides up to \$10,000 in funding to schools/educational institutions that wish to purchase thermoforming equipment (forming equipment, auxiliary equipment, retrofitted controls or ovens for existing machines, trimming equipment, and/or software).

Copies of the Grant Proposal Process Sheet and Grant Application Cover Sheet are available directly from The SPE Foundation 9call: 203-740-5447, e-mail: foundation@4spe.org, or download them from the SPE website: www.4spe.org).

Applications are reviewed three times a year. Completed applications must be returned to The SPE Foundation by January 1st, April 1st, or August 1st.

If you have questions about this new program, contact Gail Bristol at The SPE Foundation at 203-740-5447.

TABLETOP DISPLAYS FOR MAY MEETING

Ferromatic Milacron

Dennis Richmond and Mark Ruberg from Ferromatic Milacron will be attending May 2, sharing their experience in Micro Molding/Nano Technology. They will cover applications to our industry from multiple parts per pellet to the unlimited possibilities for our future uses. Literature, pictures, and equipment information will be on display.

Battenfeld Microsystem

The all-electric Microsystem is the innovative answer from Battenfeld to the growing demands in the manufacturing of micro-precision components in plastics. The manufacuring cell is designed specially for the smallest components right down to single figures in milligrams. Our years of experience in this area led us to a modular overall concept which enables a wide range of possibilities for injection molding, handling, testing, product documentation and aligned packaging, all under cleanroom conditions. The strengths of the Microsystem are micro-moldings with high precision, produced extremely quickly with low energy consumption at very low weights, for the best possible price.

2002 SPE SEMINAR AND WORKSHOP SCHEDULE

April 8-10

Industrial Blow Molding Workshop— Troubleshooting Problems and Solutions Cincinnati and Batavia, Ohio

April 8-11

Design Seminars for Designers Holiday Inn Select, Strongsville, Ohio (Cleveland)

April 15-19

Three Plastics Failure Analysis Workshop and Prevention Courses Co-sponsored by SPE and Bodycote Broutman Radisson Hotel & Suites, downtown Chicago, Illinois

May 6-9

ANTEC Seminar Series San Fransisco Marriott, San Fransisco, California

May 29-31

Twin Screw Compounding Seminar & Workshop Radisson suite Resort on Sand Key, Clearwater Beach, Florida

June 10-14

Thermoforming Seminars Clark Atlanta University, Atlanta, Georgia

June 24-26

Extrusion of Engineering Plastics Seminar & Laboratory Held at Davis Standard, Pawcatuck, Connecticut

August 26-30

Three Plastics Failure Analysis Workshop and Prevention Courses Co-sponsored by SPE and Bodycote Broutman Radisson Hotel & Suites, downtown Chigago, Illinois

September 9-11

Practical Blow Molding Technology Workshop Polymer Center of Excellence, Charlotte, North Carolina

September 23-27

Rochester, New York Seminar Series Four Points Sheraton Rochester Riverside Hotel

September 31-October 1

Projections Injection Molding Manufacturing Techniques Workshop Radisson Hotel Harbor View, San Diego, California

Date to Be Determined

Twin Screw Compounding Workshop New Jersey

October 7-11

Thermoforming Seminars Four Points Sheraton Rochester Riverside Hotel, Rochester, New York

October 14-18

Design Seminars for Designers Chicago, Illinois

October 24-25

Practical Applications for Melt Rheology Workshop Fairfield, New Jersey

October 28-November 1

Portsmouth, Virginia Seminar Series Renaissance Portsmouth Hotel and Waterfront Conference Center

For further information on SPE Seminars or Workshops:

Visit http://www.4spe.org/conferenceseminar.htm Then go to "Upcoming Seminars." You will find a complete yearly calendar on SPE Seminars and Workshops with further details on each program (when available). Printable PDF formats of the promotional brochures are available along with online registration.

SPECTRUM NOTES

by John Pierce, Historian

This month will cover a condensed history of MVSPE from 1943 to 2002. It is based on a report by Byron Nelson, Historian.

- $1. \ \,$ In early 1940s, several Engineers and Research people met to try to advance the plastics industry.
- 2. On Dec. 9, 1943, they organized The Miami Valley Plastics Engineers. H.J. Kasch was temporary Chairman, H.J. Brown was Secretary-Treasurer. Charter Members were H.J. Kasch, D. Meeker, M. Kemper, G. Waite, R. Chollar, R. Fordyce, A. Baron, J. French, J. Russell, B. Stupp, and Byron Nelson. At this time, all members were from the Dayton area limited to development and/or molding plastics.
- 3. Gradually the membership included sales, mold makers, molders, and machinery manufacturers, all from the plastics industry.
- 4. National SPE was formed in Detroit, MI on May 3rd, 1945. We voted to be a chapter. Upon application, we became the 8th chapter with 41 members.
- 5. In 1946, the Cincinnati area was included with Dayton. The first combined meeting in Mariemont, Ohio had a total of 112 present. It was agreed the monthly meetings would alternate between Dayton and Cincinnati.
- 6. Our chapter now includes Lima, OH to the north, Lexington, KY to the south, London, OH to the east and Richmond, IN to the west.
- 7. In 1993 MVSPE's own Walter Oelman was National SPE President. He also served as National Councilman from 1950-1955.
- 8. We have various Student Chapters at universities, joint vocational schools, and community colleges, all to promote the plastics industry.

EDUCATION NIGHT PHOTOS









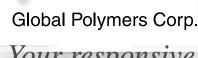












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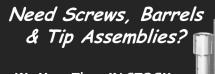
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