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pitt.coatings.tech@verizon.net

PITTSBURGH SOCIETY FOR COATINGS TECHNOLOGY



TOPIC: Precision – What the Heck is That?

SPEAKER: Clifford K. Schoff, Retired

PLACE: Domenico's Ristorante / 412-776-6455
20550 Route 19, Cranberry Twp., PA 16066
www.domenicoscranberry.com

TIME:	Board Meeting	4:00 pm
	Social Hour	5:00 pm
	Presentation / Speaker	6:00 pm
	Dinner / Meeting	7:00 pm

COST: \$35 with reservation • \$40 at door • \$15 retirees

RESERVATIONS: Contact Christina Marlier by Thursday, Feb. 6, 2014 at treasurer@paintsociety.org or 215.510.8397



SPEAKER'S BIO

CLIFF SCHOFF has spent 40 years doing research and problem solving related to coatings. He holds B.S. and M.S. degrees in Chemistry from the University of Idaho and a Ph.D. in Polymer Chemistry from the University of St. Andrews in Scotland. He has been a Peace Corps science teacher in Nigeria, a Research Fellow at the University of Glasgow, and a member of the Research Staff in Chemical Engineering at Princeton University. From 1974 until 2002, he was employed by PPG where he did research and problem solving in many areas. He still does occasional consulting for PPG.

Cliff has published more than 40 papers and articles plus over 100 one-page "Coatings Clinic" articles for the American Coatings Association's magazine JCT Coatings Tech. He has been active in the Pittsburgh Society for Coatings Technology and Committee D01 on Paints and Related Materials of ASTM for many years. Currently, he is Chair of ASTM Subcommittee D01.24 on Physical Properties of Liquid Paints and Related Materials. He also chairs the Publications Subcommittee for the ACA and is one of the Technical Editors for the *Journal of Coatings Technology and Research*. He has received a number of awards, the most recent of which came in 2008 when the Polymeric Materials Science and Engineering Division of the American Chemical Society conferred the Roy W. Tess Award on him for outstanding contributions to coatings science and technology.

ABSTRACT

PRECISION – WHAT THE HECK IS THAT?

The statistics of test methods (precision, accuracy, bias, uncertainty) are a mystery to a lot of coatings people and confusing to most of us. Cliff will try to burn away a little of the fog by using two measurement areas, film thickness and viscosity, to illustrate precision (repeatability and reproducibility), bias and uncertainty. Cliff will also explain why precision seems surprisingly bad for some test methods, and describe how you can produce better results when performing testing in your lab.

PRESIDENT'S MESSAGE



Dear PSCT Members:

I would like to thank **Dr. Zamanzadeh** of MATCO Services, Dr. Zee, as he is affectionately known, for the interesting and enlightening discussion on "Optimizing Corrosion Protection by Coatings." Hopefully the weather allows for our next couple of meetings

as this winter has produced some exceptionally challenging road conditions to navigate. This month we have **Cliff Schoff** from PPG who will be giving a talk titled, "Precision—What the Heck is That?"

In March, **Dr. Romesh Kumar**, Senior Technical Sales Manager with Clariant Corp will be giving a talk on "Requirements for Colorants for Concrete Coatings," color treads and new market research data on a variety of end-user needs.

In April, **Tom Van Kuren** Technical Director – Rigid Packaging, from Watson Standard Company will be giving a talk. The May meeting is our social event. Again, Tim Hurley took on the responsibility of organizing the event this year. If you remember, Tim did a wonderful job last year organizing the brewery tour at Penn Brewery. I am sure Tim will make the May social event equally successful this year. If there is a location and/or activity that you would like to suggest, please contact Tim Hurley at thurley@ppg.com or 724-274-3493.

Finally, I would like to remind the PSCT Members with High School and College age children to apply for the Hiram P. Ball Memorial Scholarship and the students majoring in the Science, Technology, Engineering or Mathematics fields, please remember to also apply for the Grant that is available. Please review the requirements and deadline (March 15th) which are provided in this newsletter.

Cindy O'Malley

PSCT President 2013-2014

MEMBERSHIP RENEWAL

For those members who have not yet renewed their membership, you can contact Britney Grabigel to renew your membership at grabigel@ppg.com or at 724-274-3548. If you renewed online through the ACA website, please confirm your status with Britney.

Renew online at <http://www.paintsociety.org/join/>

PAINT POT

The winner of the January Paint Pot was Chris Gehly of PPG Industries, Inc. Chris was not present at the January meeting so a total of \$50 will be rolled over to the February meeting.

MEMBER HIGHLIGHT:

BRITNEY GRABIGEL



Britney graduated from Allegheny College in 2008 with a B.S. in Chemistry. After college, she was a laboratory assessor for AASHTO Materials Reference Laboratory (AMRL) performing audits for construction materials labs in the US. She started at PPG in March 2010 as a contract employee in Process Technology. She worked on small scale production batches of multiple products and collected data for existing group projects. She was hired by PPG in April 2011 as a chemist for the group Machine Applied Coatings within Architectural Coatings. She works on product development for low viscosity exterior paints for wood, wood composites, fiber cement, and plastic composites. Britney also serves as the Chair of the Membership Committee for PSCT.

In her spare time, Britney likes to stay active playing golf, softball, and snowboarding. She also likes taking yoga and zumba classes. Britney loves food so she likes to try new restaurants often. She also enjoys like listening to music and watching movies. Her favorite books to read are ones that will become movies.

PSCT SCHOLARSHIP

The requirements for the PSCT Scholarship Program remain the same as the 2012 - 2013 year. The major change instated last year in the requirements for the General Hiram P. Ball Scholarship is an increase in the cumulative grade point average from 2.5 to 2.75. The Pittsburgh Society for Coatings Technology is a science and technical society to promote the welfare of the coatings Industry. The Society will continue to offer an additional grant to one student who is enrolled in a technical course of study. This Grant will be awarded to one Hiram P. Ball Scholarship recipient who meets the extra requirements: has a declared Science, Technology, Engineering or Mathematics major, entering the Junior or Senior Year, and has a 3.0 minimum grade point average in courses directly related to the declared major. (see application for specific requirements). The Grant will be \$500 in addition to the Hiram P. Ball Memorial Scholarship award.

Please send applications to Julie Glover at jglover@kta.com with a subject line of "PSCT Scholarship Application."

2014 MEETING SCHEDULE

Please mark your calendars for the great meetings ahead:

March 10, 2014 April 14, 2014 May Outing: (TBA)

NEW WEBSITE

Please visit <http://paintsociety.org> and view the website, including the current newsletter, President's message, photos from the golf outing and more. Don't forget you can RSVP and pay for the upcoming dinner meeting from the home page of the website!

ADVERTISEMENT REMINDER

We would like to thank all the suppliers who have advertised with us in the past and hope we can count on your continued support. If companies want their advertisement displayed in the PSCT monthly newsletter, please contact Christina Marlier at 215-510-8397 or christina.marlier@EM-Dmillipore.com

2014 CONFERENCES:

www.paint.org/events/virtual-learning-conferences.html

VIRTUAL LEARNING CONFERENCES:

Fundamentals of Waterborne Coatings

Vijay Mannari, Eastern Michigan University

February 13, 2014 1:00 - 2:00 pm ET

Introduction to Life Cycle Assessment

David Meyer, Ph.D., U.S. Environmental Protection Agency

March 13, 2014 1:00 - 2:00 pm ET

Conference - February 24 - 28, 2014

The Waterborne Symposium

Environmentally Friendly Coating Technologies

New Orleans Sheraton, LA

Conference - February 26 - 28, 2014

Smart Coatings Conference - Orlando, FL

www.smartcoatings.org

Conference - April 8 - 10, 2014

American Coatings Show

Georgia World Congress Center - Atlanta, GA

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PSCT Membership Application and Dues Renewal Form for 2013-2014

1. MAILING ADDRESS:

Name: _____

Company: _____

Address : _____

City: _____

State/Prov: _____ Postal Code: _____

2. CONTACT INFORMATION:

Work Phone: _____

Fax: _____

Toll Free: _____

Home Phone: _____

Email: _____

3. MEMBERSHIP DUES

☐ Primary Full Membership \$30

☐ Secondary Full Membership \$30

☐ Student/Educator \$5

☐ Retired Member \$5

*Please indicate primary society membership: _____

5. PAYMENT INFORMATION:

☐ Check payable to PSCT

6. SIGNATURE AND DATE: (Required)

Signature: _____ Date: _____

7. RETURN FORM AND CHECK

Britney Grabigel / PPG Industries
151 Colfax Street
Springdale, PA 15144

grabigel@ppg.com

OFFICIAL USE ONLY:

Total Amount Due: \$ _____ Certified by Society Member _____ Date _____

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Pittsburgh Society for Coatings Technology Hiram P. Ball Memorial Scholarship

PSCT Science, Technology, Engineering Mathematics Grant Application

APPLICATION DEADLINE: MARCH 15, 2014
ALL APPLICANTS MUST ATTACH COPY OF TRANSCRIPT

Applicant (student): _____

Permanent Address: _____

Phone: _____ Email: _____

PSCT Member Sponsor: _____

Present School/University (2013-14): _____

College/University (2014-15) _____

CLASS STATUS:

☐ Graduating High School Senior

College: ☐ Freshman

☐ Sophomore

☐ Junior

☐ Senior

Major Course of Study: _____ Cumulative Grade Point Average: _____

Science, Technology, Engineering, or Mathematics Grant Applicant: ☐

Major Study GPA (last 12 months): _____

FIRST-TIME APPLICANTS: Please submit 2 character references from teachers, clergy, employers, professionals, etc., who are familiar with the student's goals and aspirations.

STUDENT SIGNATURE Date: _____

PSCT SPONSORING MEMBER SIGNATURE Date: _____

Return to: Julie Glover
PSCT Education Chairman
115 Technology Drive
Pittsburgh, PA 15275
jglover@kta.com

Pittsburgh Society for Coatings Technology

Hiram P. Ball Memorial Scholarship

APPLICATION DEADLINE: MARCH 15, 2014

ALL APPLICANTS MUST ATTACH COPY OF TRANSCRIPT

REQUIREMENTS

- The PSCT Board of Directors will determine, in January, the total amount of scholarship money to be awarded each year.
- The maximum dollar amount of each scholarship will be \$1500. Scholarship money will be awarded equally to students as recommended by the Scholarship Committee. The Science, Technology, Engineering and Mathematics grant will be added to the recipient's scholarship award. (See Grant requirements below)
- Scholarship awards are to support undergraduate studies of FULL-TIME students enrolled in an accredited college or university seeking an associate or bachelor degree.
- Scholarships may be awarded to any applicant a maximum of four times.
- Applicant must be the child of an actively participating PSCT member who is current with dues. The member must also attend at least four (4) PSCT meetings or events a year or serve as a PSCT Committee Chair. .
- Scholarships are limited to one award per applicant per PSCT member per year.
- Applicants must submit a Hiram P. Ball Memorial Scholarship Application which includes a short statement explaining how the course of study will allow the student to reach their career goals.
- Applicants must maintain a 2.75 (out of 4.0) grade average.
- The Scholarship Committee will consist of five PSCT Members who do not have a child or relative applying for a scholarship
- COURSE OF STUDY: Although all courses of study are open, students are encouraged to pursue scientific, engineering or mathematical programs that lead to employment in the Coatings Industry.
- New Applicants must also submit 2 Character References who know the student and their goals:
 - Teachers
 - Clergy
 - Employers
 - Neighbors/Friends
 - Professionals (doctors, business people)

PSCT Science, Technology, Engineering Mathematics Grant Requirements

The Pittsburgh Society for Coatings Technology is a technical society to promote the welfare of the coatings Industry. The Society will be offering an additional grant to one student who is enrolled in a technical course of study. To be considered for this grant, the student must meet the following criteria. If more than one applicant meets the criteria, the award will be made to the student with the highest cumulative grade point average as of application deadline. If no applicant meets the requirements, no grant will be made.

The decision of the PSCT Scholarship Committee is final in their decision regarding the grant.

Criteria:

- Must meet all other Hiram P. Ball Memorial Scholarship requirements.
- Applicant must have declared a major in Science, Technology, Engineering or Mathematics.
- Applicant must be entering their Junior or Senior year of college or university.
- Applicant must identify course directly associated with declared major curriculum.
- Applicant must have a GPA of 3.0 or greater in these related courses over the past 12 months (including summer school).
- The grant will be an additional \$500 over the Hiram P. Ball Memorial Scholarship award.