

Message from the Chair

Greetings

to all in this first edition of the CRG Newsletter for 2004. First off, I'd like to congratulate the newly elected and reelected officers of the group. Congratulations to Jamie Fritz, of Electric Cable Compounds, Inc., and Steve Gangi, Derby Cellular Products, who were reelected to Director positions, and especially to Bob Cornell who, even though recently retired from Crompton/Uniroyal Chemical, ran for and won a Director position. We can definitely use Bob's experience in the industry to help guide our group.

Congratulations also to Chitta Lahiri, also recently retired from Crompton/Uniroyal Chemical, who was elected to Vice-Chairman (moving up from Secretary) and to Ray Cash, of R.T. Vanderbilt, who was elected Secretary (moving up from Director). With Ray winning the Secretary position but having one year left of his two-year Director term, the Board of Directors voted to appoint Tom Corrigan, of Hancock Engineering, to fulfill the remainder of his term. Welcome to the Board, Tom.

We've got a full slate of programs scheduled for the year, including a technical meeting on Tuesday, April 6 (Note: This is a date change from previously published info), the Mixing/Continuous Vulcanization Symposium on June 8-10, and the Golf/Tennis Outing on June 17. Information on these events is found elsewhere in the newsletter. Please promote attendance at these events to your employees, coworkers, customers, and suppliers, especially the Mixing/CV Symposium, as this is our main fundraising activity and provides funding to our scholarship program.

If you have any comments or suggestions for anything CRG-related, please feel free to contact me or any of the Board members seen in the Contact List. Please visit the CRG website (www.ctrubbergroup.org) for the latest on meetings and other info.

Best wishes for a healthy and prosperous 2004,

Tom Jablonowski

2004 Connecticut Rubber Group Chair

2004 Annual Dues

With the start of the new year, it is time to pay the annual dues for membership in the CRG. Please send your check for \$15.00 along with the membership application form on page 3 in this newsletter, as soon as possible. You need to be a paid member to continue to receive mailings (for the golf outing and technical meetings) and be eligible to sponsor scholarship applicants, and receive this Newsletter.

Even if you are a life member or an emeritus member, you still need to return the membership application form, so that we can be sure we have your correct address and that you are still interested in remaining a CRG member.

Any questions, please contact your CRG Treasurer, Juan Cardona at:

203-426-4223 or

jjcardona@charter.net

Reserve these dates!!!

Spring Technical Meeting

Tuesday, April 6, 2004

Rapps Paradise Inn, Ansonia

See notice page 7.

Golf Outing

Thursday June 17, 2004

2004 CRG Golf Outing will be held at:
The Tradition, Wallingford, CT

2004 Connecticut Rubber Group Contact List

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Mark Your Calendars:**Vice Chair**

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Russ Mazzeo
(see info above)

2004 Meetings	
ACS Rubber Division May 17 – 19 Spring Meeting Grand Rapids, MI October 5 – 8 Fall Meeting Fort Wayne, IN	Connecticut Rubber Group April 6 Spring Technical Meeting, Rapps Paradise Inn, Ansonia, CT June 8 – June 10 Mixing, Extrusion and Continuous Vulcanization Symposium June 17 Golf Outing/Annual Membership Meeting November 18 Fall Technical Meeting



The Connecticut Rubber Group

A Subdivision of the Rubber Division, American Chemical Society

www.crubbergroup.org

2004 Membership Application

I wish to ___ remain / ___ become a member of the Connecticut Rubber Group for 2004.

NAME: _____
 COMPANY: _____
 STREET ADDRESS: _____
 CITY / STATE / ZIP: _____
 TELEPHONE: _____ FAX: _____
 EMAIL: _____

- Yes / No This is a change to my current CRG mailing address
 Yes / No I prefer to have newsletters and mailings sent to me by email*

Primary function: ___ Sales/Marketing ___ Technical ___ Production ___ Purchasing ___
Other (specify _____)

- _____ I am a Life Member.
 _____ I am an Emeritus Member.
 _____ I am at least 65 years old and request Emeritus status. I have been a member of the CRG for a minimum of 10 years.
 _____ I am a Rubber Division member.
 _____ I am a member of the American Chemical Society.
 _____ I would like to serve on a committee of the CT Rubber Group.
 _____ I would like to serve as an officer / director of the CT Rubber Group.

Please list any topics of interest that you would like to have presented at the meetings of the CT Rubber Group: _____

Please forward the completed form with your check for \$15.00** (the fee is optional for Emeritus and Life Members) made out to The Connecticut Rubber Group to:

Juan Cardona
 13 Brookwood Drive
 Newtown, CT 06470-1842
 203-426-2443
 jjcardona@charter.net

2004 SCHEDULE OF EVENTS

- April 6: Spring Technical Meeting – Rapps Paradise Inn, Ansonia, CT
 June 8-10: Mixing Course – Courtyard by Marriott, Waterbury, CT
 June 17: Golf & Tennis Outing – The Tradition, Wallingford, CT
 Nov. 18: Fall Technical Meeting – Location TBA

* Mailings by email are in Adobe Acrobat Reader (pdf) format.
 ** Membership dues covers the printing and mailing costs of newsletters, meeting notices, scholarship notices, Golf Outing and Mixing Course Fund Raiser notices, annual ballots, publishing of membership directory every 5 years, and support our educational scholarships.



T. Jablonowski, C.R. Lahiri, R. Cash, J. Cardona

2004 CRG Officers

J. Fritz, J. Linn, R. Hancock, R. Cornell, S. Gangi

2004 CRG Directors**ANNUAL MIXING COURSE**

Our Annual Mixing Symposium is scheduled for June 8-10, 2004. This year we will retain the very successful addition of Extrusion and Continuous Vulcanization on the course agenda. Most of the original course subjects are maintained while adding this new and exciting portion to the course. A major feature of the CRG Mixing Course is the tour of the Farrel plant and a trip to watch a microwave extrusion line in operation.

In addition to the material presented, this is an excellent opportunity to network with others in the industry who share the same daily challenges of the Rubber Industry. The course fee includes daily lunches, morning and afternoon coffee breaks as well as a Banquet Dinner Wednesday evening. We would like to see attendance levels of 70-90 people, this allows us to give the individual attention to our attendees while maximizing our income potential.

This function is our prime fundraiser and allows us to give multiple scholarships. We need everyone in the group to help promote the course. If anyone is interested in attending the course please contact anyone on the Symposium Committee and we can answer any questions. Come join in the fun and educational experience.

Mike DiGiovanni

Mixing Symposium Committee Chair

**AREA DIRECTOR'S REPORT**

Spring 2004

A successful Rubber Division meeting was held in Cleveland on Oct. 14-16. There were 38 participants in the educational courses. The Rubber Division has established a scholarship after the CRG's own Dr. Emmanuel Kontos, who passed away shortly after his retirement from Crompton Corporation.

The web sites of both the ACS and the Rubber Division are now posting job opportunities, see www.chemistry.org & www.careercenter.rubber.org.

The next meeting of the Rubber Division will be held in Grand Rapids, Michigan on May 17-19, with the shorter, 3-day format used at the Spring 2003 meeting. There will be no Goodyear Award presented this year.

Jeff Linn

Area Director, 2004

SCHOLARSHIP INFORMATION

Use the scholarship application form on page 6, *OR* visit the CRG web site (www.ctrubbergroup.org) for the scholarship application form,

OR contact the CRG secretary, Mr. Ray Cash (see page 2).

Also visit the ACS Rubber Division web site (www.rubber.org) for information on the A. Wayne Place and Rubber Division scholarships.

Congratulations to Clifton Lin and David Susco as recipients of \$2,000 scholarships from the CRG in 2003.

Russ Mazzeo

CRG Scholarship Committee Chair



The Connecticut Rubber Group

A Subdivision of the Rubber Division,
American Chemical Society

SCHOLARSHIP APPLICATION

The information provided in this application is confidential. Only the Scholarship Committee for the Connecticut Rubber Group scholarships will use it.

Name _____ Date _____

Address _____

Telephone No. _____

College / University Attending _____

Academic Major _____

Semesters of College Work Completed _____

Sponsor (Member in Good Standing) _____

Please attach a current transcript or arrange for its transmittal. Also, attach a summary of outside interests and a brief essay on any subject of interest to you. These should be sent by **April 30, 2004**, to:

Mr. Ray Cash
Secretary, Connecticut Rubber Group
R. T. Vanderbilt Company, Inc., 30 Winfield Street
Norwalk, CT 06856-5150

The Fall 2003 Technical Meeting

was held on Nov. 6, 2003 at the Pleasant Valley Country Club in Sutton, Massachusetts.

Andy Johansson from Rhein Chemie presented *New Developments in Peroxide Curing*. The typical dialkyl and peroxyketal peroxides were compared for crosslinking efficiency at various temperatures. Each peroxide has an optimum temperature for crosslinking, although not all peroxides are equally effective. Peroxide dispersions can prevent physical losses and provide improved batch-to-batch uniformity.

Julie Chen of the National Science Foundation spoke about work funded at the University of Massachusetts at Lowell on *Electrospun Oriented Fibers*. This new technology holds promise in several areas, particularly in the development of new fibers and fabrics. Ms. Chen also overviewed NSF grants that are available to industry in specific areas such as nanotechnology research and development.

Clay McElwee with Sartomer showed the use of *Coagents for Adhesive and Dynamic Property Improvements in Peroxide-Cured Polyisoprene*. Zinc diacrylates and zinc dimethacrylates promote adhesion as well as lower loss factor and heat buildup in NR vulcanizates. The zinc coagents can be difficult to disperse, but this issue can be avoided by the use of new dispersion of the coagents in EPDM.

Dave Russell of Akron Polymer Labs discussed *Physical and Chemical Methods of Failure Analysis*. Several examples were given to illustrate the information that can be obtained from modern and classical tests. The careful use of these methods leads to a cost efficient methodology to identify and correct the cause of failure.

The after dinner speaker was Charles Slack who gave an engrossing talk about the life of Charles Goodyear, which is detailed in Mr. Slack's book *Noble Obsession*.

Golf Outing Information



The course at The Tradition in Wallingford has been reserved for Thursday, June 17th. After a luncheon buffet, we will have a shotgun start with a scramble format.

The fee for golf and dinner will include a cart and driving range.



For tennis players, the fee includes the buffet luncheon at The Tradition.

Lower fees will apply for people who can attend only golf, tennis or dinner.

Mike DiPino

Golf Committee Chair

CONNECTICUT RUBBER GROUP

(a subdivision of the Rubber Division, American Chemical Society)

SPRING 2004 Technical Meeting

Rapp's Paradise Inn

Exit 19 off Route 8

Ansonia, CT

203-735-3654

Tuesday, April 6, 2004

Technical Session 3:00 pm – 5:00 pm

Presentations:

Carbon Black for Non-Tire Applications	Irene S. Yurovska, Ph.D, M.B.A. Cabot Corporation
Improving the Heat Resistance of HNBR, ACM and EAM by the use of Antioxidants	Bob Ohm, Crompton Corporation, Uniroyal Products
Silane-Sulfur Coupling in Sulfur, Peroxide and Metal Oxide Curing Systems	Orawan Taikum, Ph.D, Degussa Corporation

5:00 pm – 6:00 pm Cocktail Hour (cash bar)

6:00 pm – 7:00 pm dinner

Price: \$35.00 per person in advance

Mail payment by **Friday March 26, 2004** to:

Chitta Lahiri

2004 CRG Vice Chair

10 Sunset Drive

Naugatuck, CT 06770

phone: (203) 723-8170

e-mail: crlahiri@email.com

Mark Dinner Choice of:

_____ Sirloin Steak

_____ Stuffed Boneless Breast of Chicken

Make checks payable to: Connecticut Rubber Group

Walk-in Registration: \$40.00; Limited Availability – Call Chitta Lahiri

Connecticut Rubber Group Newsletter

Bob Ohm, editor
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