



Chairman's Message

Greetings

to all for 2003, this year the CTRG will have many opportunities for our members. But first I would like to welcome our new Executive Board Members: Juan Cardona - Treasurer, Ray Cash, Robert Hancock and Jeff Linn as Board Members and thank our only out going Board Member, Guy Tiso for his efforts over the last two years. Special thanks go out to Joe Royal our Past Chairman for his efforts and continued support.

We will be continuing the Mixing Course for the 14th year and could use your help on this committee as well as others. The more people involved translate into less work and more fun for everyone involved in working on the Committees.

We will hold our usual Spring and Fall Technical Sessions and of course, our well recognized Golf Outing. Your support for these events is appreciated, but we could use better attendance at the Technical Sessions. These Sessions not only provide updated information on things occurring in our industry they also afford you with the opportunity to discuss new developments and industry trends with your peers as well as make new acquaintances in our industry. I guarantee this will enhance your abilities and may open new opportunities to you. As a member, if you should have any ideas on how the CTRG could better serve you or your company I would welcome any and all recommendations.

Finally, I encourage your participation whether it is joining a committee or attending the Technical Sessions and wish you all a healthy and prosperous 2003.

Sincerely,

Mike DiGiovanni

2003 Connecticut Rubber Group Chairman

It is time to pay your 2003 Annual dues

Please send your check for \$15.00 along with the membership application form on page 5 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.

Unsure if you have paid your 2003 dues? Contact your CRG Treasurer, Juan Cardona at:

jcardona@longwoodindustries.com

Reserve these dates!!!

Spring Technical Meeting

Thursday, April 3, 2003

Rapps Paradise Inn
Ansonia, CT

Golf Outing

Thursday June 19, 2003

2003 CRG Golf Outing will be held at:
The Tradition, Wallingford, CT

2003 Connecticut Rubber Group Contact List

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Russ Mazzeo
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Mark Your Calendars:

2003 Meetings			
ACS Rubber Division		Connecticut Rubber Group	
April 28 – 30	Spring Meeting – San Francisco, CA	April 3	Spring Technical Meeting
October 14 – 17	Fall Meeting – Cleveland, OH	June 3 – June 5	Mixing, Extrusion and Continuous Vulcanization Symposium
		June 19	Golf Outing/Annual Membership Meeting
		November 6	Tristate Technical Meeting

CRG OFFICERS 2003



T. Jablonowski, C.R. Lahiri, M. DiGiovanni, J. Cardona

MEMBERS OF THE EXECUTIVE COMMITTEE



J. Fritz, J. Linn, R. Hancock, J. Royal



R. Cash,



L. Smith,



S. Gangi

ANNUAL MIXING COURSE

Our Annual Mixing Symposium is scheduled for June 3-5, 2003. 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.

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

CRG Chairman and
Mixing Symposium Committee Chairman

AREA DIRECTOR'S REPORT
Spring 2003

The ACS Rubber Division Meetings for 2003 are as follows:

San Francisco, California, April 28 – 30.

This Spring meeting will have a shorter, 3-day format. The Goodyear Banquet will be held on Monday, April 28th to present awards to distinguished scientists in the rubber industry.

Cleveland, Ohio, October 14 – 17.

The Fall meeting will feature the biennial expo with multiple supplier exhibits.

As always, please visit www.rubber.org for the latest information on the ACS Rubber Division.

Tom J ablonowski
Area Director, 2003

Need \$ for  ?

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. Chitta R. Lahiri (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.

From the Historian's Corner

In 1989 the Connecticut Rubber Group awarded a Scholarship to Timothy J. Hong. Timothy is the son of Dr. Sung W. Hong, Research Fellow, Performance Chemicals & Elastomers Division at Crompton Uniroyal Chemical. The following is the essay Timothy submitted with his application. After reading his essay you will be pleased to know that he is now Dr. Timothy J. Hong, M.D. He is married to Joy Kingston and has two daughters, Catriona 4 years old and Madeleine 1 year old. The Hong family resides in Glastonbury, Ct and Timothy is a physician in the Medical Oncology Division of Hartford Hospital's Medical Department, in the Helen and Harry Gray Cancer Center. Timothy graduated Harvard University '91 A. B., Yale University School of Medical '95 M.D., Internships/Residencies at Yale-New Haven Hospital Internal Medicine '95-98, and Fellowship Duke University Hospital Hematology/Oncology '99-02).

THE CHALLENGE OF RESEARCH

"Grandfather, what is research?"

"Research is challenge."

A short time before his death, I asked my grandfather this question, and thought that he would give me an explicit answer because he was a research scientist himself in electrical engineering. However, his terse response confused me at the time. It was after much work in biology and synthetic chemistry, when I realized how accurate his answer was. Challenge is multifaceted in its definition, and is the very essence of my grandfather's life, whose life I attempt to emulate. So what is challenge, and how was my grandfather's life a challenge.

Challenge is audacity. When my grandfather was young, he lived under Japanese domination in a war torn Korea. Because of the state of insubordination, the quality of life as well as education was poor in Korea. Not satisfied with his education, as a young teen, he ran away to Japan to receive a higher education. All alone in a foreign land with no money, he boldly faced his many difficulties. This is challenge. Taking risks leads to broad expanses of possibilities in research

such as exploring the human genome or synthesizing anti-cancer agents. Progress such as this would improve the welfare of the human race.

Challenge is also excellence. Having to learn a new language, he became a top student in a land which places emphasis on education. He gained respect, because, to the Japanese, a Tokyo University student is the paragon of a scholar, brilliant as well as hard working. For me, academics and research is a challenge. Not satisfied with mediocrity, I pursue excellence.

The pursuit to excellence takes patience. Oftentimes my grandfather's projects have not worked well. A perfect outcome does not come immediately. I understand this well. In purifying a newly synthesized compound, I have to use chromatography or recrystallization to purify the compound. This process of purification sometimes takes weeks to produce a gram of material. Research takes patience, and also persistence.

Persistence is another aspect of challenge, which my grandfather has been a prime example. Suffering from cancer, my grandfather remained active in his pursuit of knowledge. After he had spent much time and effort in learning English in his old age, he continued to keep up with the latest progress in electrical engineering, even until his death. Following his example, I believe that there is no challenge too stubborn that I even consider giving up,

With audacity, excellence, patience, and persistence, I strive toward the top of the research world. Following my grandfather's life as an example, I will struggle with the many challenges that lie ahead.

Yet, as important as the challenge I find in research, I must have humanity in my approach. I dedicate my life to research not for my own personal gain, but for the improvement of life for the people of the world. That is what the product of research should be.

Ralph

Ralph Annicelli, Historian



The Connecticut Rubber Group

Subsidiary of Rubber Division, American Chemical Society
www.ctrubbergroup.org

2003 Membership Application

I wish to ____ remain / ____ become a member of the Connecticut Rubber Group for 2002.

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
Longwood Engineered Products
384 Seymour St.
Stratford, CT 06615
jcardona@longwoodindustries.com

2003 SCHEDULE OF EVENTS

- April 3: Spring Technical Meeting – Location TBD
 June 3-5: Mixing Course – Courtyard by Marriott, Waterbury, CT
 June 19: Golf & Tennis Outing – The Tradition, Wallingford, CT
 Nov. 6: Tri-State 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.



The Connecticut Rubber Group

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, 2003**, to:

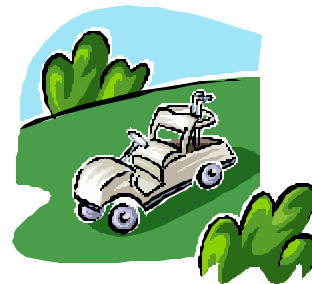
Mr. Chitta R. Lahiri
Secretary, Connecticut Rubber Group
10 Sunset Drive
Naugatuck, CT 06770

The Fall 2002 Technical Meeting was held Nov. 14, 2002 at Rapps Paradise Inn

Brian P. Carney of Lord Corporation talked on *Environmentally Preferred Adhesives for Rubber to Metal Bonding*. The development of aqueous based adhesives and adhesives based on low volatile organic compounds (VOC) now allow performance comparable to - and in some cases superior to - traditional solvent based adhesives. Several examples illustrating the high performance of aqueous and low VOC adhesives were shown.

Frank J. Borzenski of Farrel Corporation spoke about *NST Rotors "The Next Generation"*. Intermeshing rotors allow improved temperature control to mix silica-filled tire compounds in one pass. Mix temperature can be ramped up to react the silane with the filler, then cooled down to add accelerators and finish the mix. The typical lower working volume of intermeshing rotor machines can be compensated for by several design techniques including the NST design.

Ralph Annicelli of Crompton Corporation's Uniroyal Products group informed the CRG about the *Compounding Royalene® EPDM for Electrical Properties*. An overview of measurement of electrical properties and their significance for determining performance were presented. The activities at the University of Connecticut sponsored by the electrical consortium were discussed. The superior performance of EPDM insulation compared to XLPE was shown.



Golf Outing Information

The course at The Tradition in Wallingford has been reserved for Thursday, June 19th. After a luncheon buffet from 11:30 am to 12:30 pm, we will have a shotgun start with a scramble format.

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

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 Chariman



Connecticut Rubber Group Newsletter

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