



Richland Section American Chemical Society

fall 2007

From Garbage to Stuff: How We Recycle Plastics

Past ACS President to Speak at Richland Section

About the Talk

Is that recycling bin the springboard to giving material a new life or is it simply a blue wastebasket? What about surplus materials from industrial processes? Do they find their way out the back door to the landfill? This presentation discusses the four critical steps in recycling-- collection, separation, reprocessing and remanufacture--and how they relate to plastics. The technology, the cost and the efficacy of the processes all matter. And the operative word, plastics, really is plural. Presentation includes a primer in the basic kinds of plastics, how they differ and how they're used in common articles, especially packaging. The presenter brings a few common articles for demonstrations, and promises not to recycle an old quote from "The Graduate."

Dr. William Carroll on

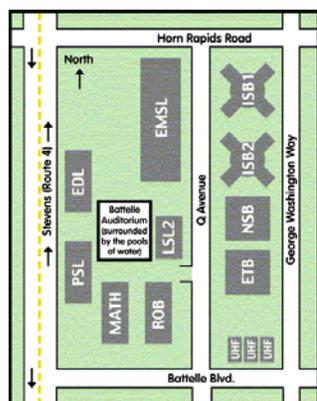
RECYCLING PLASTICS

Wine and Cheese Social 5PM
with Dr. Carroll October 9 Battelle Auditorium



TUESDAY
OCTOBER 9 2007
6 PM

Battelle Auditorium
Richland, WA



About the Speaker

Dr. William F. Carroll, Jr. holds a B.A. in Chemistry and Physics from DePauw University, Greencastle, IN, an M.S. from Tulane University in New Orleans, and a Ph.D. from Indiana University, Bloomington, IN, majoring in Organic Chemistry. Bill started his industry career in 1978 and after a year with Rohm and Haas Company, Bristol, PA, moved to what is now known as Occidental Chemical Corporation. He is currently Vice President, Chlorovinyl Issues for OxyChem and works on public policy issues and communications related to chlorine and PVC. He is also Adjunct Professor of Chemistry at Indiana University, Bloomington, Indiana and teaches polymer chemistry there. Bill is a past President (2005) of the American Chemical Society, a member of the ACS Budget and Finance Committee, and past chair of its International Activities Committee. He is a Fellow of the Royal Society of Chemistry, a member of the US National Committee for the International Union of Pure and Applied Chemistry, and chair of the Science Advisory Board for DePauw University. He has been an active member of and chaired various committees for a number of chemistry, plastics, fire protection and recycling organizations. He has served on expert groups commissioned by the United Nations Environmental Program, the State of Florida, and the Oregon Department of Environmental Quality. He received the Vinyl Institute's Roy T. Gottesman Leadership Award for lifetime achievement in 2000. He holds two patents, and has over forty publications in the fields of organic electrochemistry, polymer chemistry, combustion chemistry and physics, incineration, dioxin, plastics recycling and chlorine issues.

NORM

Richland Section Hosted NORM in June

The 62nd Northwest Regional Meeting of the American Chemical Society (NORM 2007) was held at the Boise Centre on the Grove in Boise, Idaho on June 17-20, 2007. The meeting was hosted concurrently with the Pacific Division of the American Association for the Advancement of Science (AAAS). Richland Section members were instrumental in organizing and conducting the meeting. Highlights included:

- A unique format where attendees could participate in both the NORM and the AAAS meetings
- Presentation of the charter for the newly formed Snake River Section of the ACS
- A well attended technical program
- A keynote address by ACS president Katie Hunt
- A strong program for undergraduates



Jay Grate (PNNL) won the 2007 Northwest Regional Industrial Innovation Award. He is presented the award here by ACS president Katie Hunt at the NORM in Boise.



Anna Cavinato, Janet Bryant, and Richard Hermens pose by a poster describing the Section's "Girls in Science" program. The Section was presented a Chemluminary Award at the national ACS meeting in Boston for its support of this innovative program.

Next year's NORM will be in Park City, Utah.

BOSTON ACS MEETING COUNCILOR REPORT

AWARD

The Richland Section was nominated for an award for a program of girls in science. The Richland Section won the award and Anna Cavinato accepted it.

NO-SHOWS AT REGIONAL AND NATIONAL MEETINGS

The percentage of authors that have submitted papers and do not attend the regional and national meetings has been increasing. Some think that these authors are playing a "game" so their abstract appears in print to benefit their professional career. For this reason, prospective authors that cancel their presentation after the abstracts have been accepted will have their abstracts erased from the published list. This will occur at the national and regional meetings. I still think that some of those who do not give notice and do not show for their presentation may still beat the system. This will be a small number however.

2008 DUES

The annual membership dues for 2008 will be the fully escalated amount of \$136 based on the CPI index. This is unchanged from 2007.

NEW LOOK ON THE ACS WEBSITE

The ACS website has been completely redesigned and I understand that it will be available September 30. Here are some of the advantages of the new design compared with the present one. It can be accessed at www.acs.org.

1. consistent, global navigation
2. unified look and feel
3. ten comprehensive categories
4. member focused
5. home page highlights
6. comprehensive search
7. easier to read
8. faster access
9. one step for help
10. user tested and approved

If you have a need or a willingness to try it and find any problems please let ACS know so it can be rectified.

Project SEED

Until the ACS council meeting in Boston, SEED was an acronym "Summer Educational Experience for the Disadvantaged". It is now been change by vote of the council to be "Summer Experiences for the Economically Disadvantaged". To be a candidate for Project

Report by:
**Councilor
Richard
Hermens**



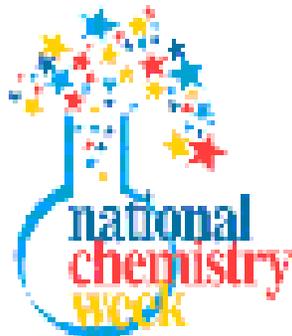
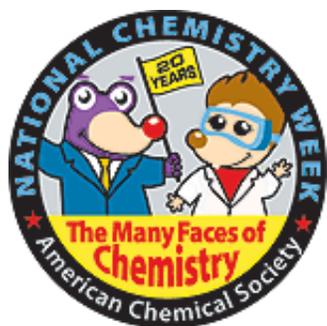
SEED, a high school student must show that their parents have an income of twice the poverty level or less. This amount is \$35,000 per year. Not all the funds budgeted for Project SEED were expended due to lack of applicants. I asked if anyone knows who set the amount of two times the poverty level and perhaps this number should be raised. No one seems to know but I will continue investigate this matter. I am on the Project SEED committee.

JOBS

At the national meeting in Boston, there were 126 employers with 911 jobs available. There were 1520 job seekers. This ratio of jobs to job seekers is better than it was in the past couple of years.

NATIONAL CHEMISTRY WEEK 2007 – THE MANY FACES OF CHEMISTRY

October 21-27, 2007



This year's National Chemistry Week will be a very special celebration as it will mark the 20th anniversary of this popular program. This year's theme "The Many Faces of Chemistry," will focus on both the many types of chemistry careers – high school teacher, laboratory chemist, and industrial executive for example – as well as the many diverse people within the field. Each year the American Chemical Society's National Chemistry Week (NCW) campaign reaches millions of people with positive messages about the contributions of chemistry to their daily lives. It is the one time during the year that chemists, regardless of background, unite with the common goal of spreading the word that chemistry is good for our economy, our health, and our well-being.

The Richland Section is planning several NCW events. One is the Girls in Science program organized by Anna Cavinato in LaGrande, OR. This program invites girls in grades six through eight to investigate some issue involving chemistry. One year was a simulated crime scene where the girls had to collect and chemically analyze evidence. Last year participants gathered evidence to solve a hypothetical, yet very realistic environmental problem of fish death in a nearby stream. This year's program will be The Real Haunted House: What is making people sick?. The Girls in Science program has earned the Richland Section national recognition in each of the past several years.

Another popular program is the Chemistry Merit Badge program. Organized by Steve Krogsrud in Pasco, the program offers boy scouts 13 or older a way, on two consecutive Saturday mornings, to earn the chemistry merit badge. Girls scouts who attend can earn an

activity patch. Youth not affiliated with scouts are also welcome to attend and everyone will receive a patch designed by the ACS. This year's program will be held on the mornings of November 3 and 10. For more information or to volunteer, contact Steve at steve_krogs@hotmail.com or 372-2302.

As part of the National Chemistry Week 2007 celebration and in recognition of the 20th anniversary of the program, the American Chemical Society is sponsoring a poster contest for students in Kindergarten – Grade 12. Students are invited to create a poster that celebrates the theme "The Many Faces of Chemistry". The poster should be fun, motivational and inspire students to pursue a science/chemistry-related career. Invite your child to participate! Cash prizes of \$150-\$250 are awarded to first and second place winners in each category: K-2nd • 3rd-4th • 5th-8th • 9th-12th!

Visit <http://acswebcontent.acs.org/ncw/k-12contest.pdf> for the poster contest rules! Posters are due during National Chemistry Week, October 21-27. Contact Kayte Denslow at kayte.denslow@pnl.gov or 375-2232 to enter your child's poster!

More information about local activities will be posted the Richland Section web site (www.pnl.gov/acs/) as they become available. For further information contact the NCW coordinator, Kayte Denslow at kayte.denslow@pnl.gov or 375-2232.

2008 ACS ELECTIONS – LOCAL AND NATIONAL

The fall is election time, and not just the elections gathering all the headlines on the news. The Richland Section will be holding elections later this fall. Presently, the Section is looking for members who are interested in running for one of the elected offices. The positions of Chair-Elect, Secretary, Treasurer, and Councilor will be up for a vote. If you are interested in any of these positions, please contact the Section's secretary, Bruce McNamara, at (509) 376-1408, or Bruce.McNamara@pnl.gov.

Additionally, a national election will be held this year to select the President-Elect of the ACS for 2008. There are two candidates for this position. Their names and websites where more information can be found are:

Howard M. Peters www.howard-peters.com
Thomas H. Lane www.thomaslane.org

ACS NEWSLETTER CAN HELP!

If you have an article or job posting that you would like to have a considered for publication in our newsletter, please send it to the editor, Steve Krogsrud, at steve_krogs@hotmail.com or give him a call at (509) 372-2302.

HAIL AND FAREWELL

The Richland Section would like to greet the following new members: **Ram Devanathan, Julia Laskin, Shannon Schulte, Peter Castle, Peng Fan, Barbara Gillespie, Marion Gotz, Phillip Koech, Bernard McGrail, and James Noyce.** We look forward to seeing you at a future section activity. We wish departing members **William Deutsch, Jongliang Jiang, William Samuels, Edgar Buck, Paul Reeder, and Subhash Singhal** the best of luck in their future endeavors.

COMING EVENTS

- OCTOBER 9 **TOUR SPEAKER:** William Carroll, Topic: From Garbage to Stuff: How We Recycle Plastics
(WINE & CHEESE SOCIAL 5PM, TALK AT 6PM)
- OCTOBER 21-27 **NATIONAL CHEMISTRY WEEK**
- OCTOBER 27 **GIRLS IN SCIENCE DAY** - LaGrande, OR
- NOVEMBER 3, 10 **YOUTH CHEMISTRY MERIT BADGE PROGRAM**
- DECEMBER 7 **MEMBER APPRECIATION SOCIAL**

ACS INTERNATIONAL E-NEWSLETTER

The ACS Office of International Activities publishes bimonthly in electronic form the ACS International E-Newsletter. It is designed to provide information on activities, networks, resources, products and services related to international aspects of chemical sciences, technology, engineering and innovation. For information on international meetings and conferences, visit:

<http://chemistry.org/meetings>

to search and view opportunities. Should you have questions, comments or suggestions for content, please contact the ACS Office of International Activities at: intlacts@acs.org

EXTRA! LATE-BREAKING NEWS

At the request of the local section, Dr. Carroll has agreed to remain in the Tri-Cities an extra day. Plans are in progress, but are expected to include a reception, or "Science Café", where members and the public can informally meet Dr. Carroll. When plans are firmed up, the Section will send members an email and post information on the Section's website, www.pnl.gov/acs

Richland Section
Home Page

www.pnl.gov/acs/



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Point to Ponder

Education's purpose is to replace an empty mind with an open one. - Malcolm Forbes