http://chicagoacs.org

CHICAGO SECTION AMERICAN CHEMICAL SOCIETY
PUBLIC AFFAIRS AWARD MEETING
FRIDAY, MARCH 18, 2011

Café La Cave
2777 Mannheim Road
Des Plaines, IL 60018
847-827-7818

Directions to the meeting are on page 2.

PRE-DINNER TALK 5:30 – 6:15 P.M.

“Public Laws, Thomas, and the Public Distribution of Scientific and Technically-Related Legislation” by Dr. James P. Shoffner, UOP (Ret.), Co-Chair, Public Affairs Committee, Chicago Section ACS

On average, during any two year period when congress is in session, about 500 congressional laws and proclamations are passed. Also, on average, about 5% of them will be of significant scientific and technical interest. This talk will review the process by which this information is made available to the public from the standpoint of the historical origin of the Library of Congress site known as “Thomas,” its availability and accessibility. Emphasis will be placed on how this accessibility has improved with the availability of the internet and the organization and incorporation of companies and groups designed for this purpose.

JOB CLUB: 5:30 - 6:30 P.M.

SOCIAL HOUR: 6:00 - 7:00 P.M.
Complimentary Hors D’oeuvres served butler style. Cash Bar

DINNER See page 2 7:00 P.M.

IN THIS ISSUE

2 WCC Articles Needed
3 ChemShorts for Kids
3 Dr. Shevchenko--Presidential Award Recipient
3 NU’s Hurd Lectures
4 Public Affairs Award History
5 Barbara Moriarty—PA Awardee
7 Lab Managers
7 In Memoriam: Larry Berman and Ed Shiner
8 Gibbs Reservation Coupon
9 Section’s Charitable Giving
10 Chemistry History
11 The Un-Comfort Zone
11 IYC 2011
12 Calendar
12 Job Club
12 Ad Index

(continued on page 2)
DIRECTIONS TO THE MEETING

From I-290 East/West - Take I-290 from either direction and exit onto I-294 North. Continue until you reach the exit for I-190 West (to O'Hare). Exit and immediately pay toll. Exit onto Mannheim Road North. Go North for 1.5 miles. The restaurant is on the right side after the second stoplight.

From I-90 East/West - Take I-90 from either direction and exit I-190 West (to O'Hare). Then follow I-290 East/West directions given above.

From I-294 North/South - Take I-294 from either direction and exit I-190 West (to O'Hare). Then follow I-290 East/West directions given above.

From I-88 East - Take I-88 East to I-294 North. Take I-294 and exit at I-190 West (to O'Hare). Then follow the directions for I-290 East/West given above.

PARKING: Go directly to parking lot for self-parking. Valet parking is also available.

DINNER CONTINUED...

Menu: Soup of the day; Squillo Salad with Walnuts and Cranberries; Entrée choice of either a Breast of Chicken Combination (Sautéed Breast of Chicken with fresh mushrooms & shallots with a Sherry Cream Sauce and Sautéed Breast of Chicken with Shiitake mushrooms with a Marsala Wine Sauce), Seared Salmon with a Ginger Sauce, or Fresh Vegetables with Pasta; Anna Potatoes; medley of fresh vegetables; Chef selection dessert; a variety of breads; beverage.

Dinner reservations are required and should be received in the Section Office via phone (847-391-9091), email (chicagoacs@ameritech.net), or online (http://chicagoacs.org) by noon on Wednesday, March 16. The dinner cost is $35 to Section members who have paid their local section dues, members' families, and visiting ACS members. The cost to members who haven't paid their local section dues and to non-Section members is $57. The cost to students and unemployed members is $20. Seating will be available for those who wish to attend the meeting without dinner. PLEASE HONOR YOUR RESERVATIONS. The Section must pay for all dinner orders. No-shows will be billed.

WCC ARTICLES NEEDED

The Chicago Section's Women Chemists Committee has a project to highlight women, both current and historical, and the project has been very successful. We invite anyone, women or men, to join us in this endeavor of writing an article for the column. The article needs to be about 500 words long and will also be put on the Chicago Section website. The author also needs to design a poster for the corresponding monthly meeting. Our office manager, Gail Wilkening, will help with the poster, which can be primarily a large font version of what you wrote, if you wish. We welcome new authors and those who have already discovered what a pleasure this project is.

CO-CHAIRS MARGY LEVENBERG AND SUSAN SHIH
"CHEM SHORTS" For Kids

The Elementary Education Committee of the Chicago Section ACS presents this column. They hope that it will reach young children and help increase their interest in science. Please print it out and pass it on to your children, grandchildren, or elementary school teachers. Teachers are encouraged to incorporate the projects in this column into their lesson plans.

Molasses Lava

Kids, imagine rocks getting hot enough to actually melt and flow like molasses! Let’s find out how viscosity affects the way lava flows and volcanoes grow. When lava is very hot it’s thin and runny, but as it cools down it gets thicker and stickier. Temperature, along with the specific minerals contained in the melted rock, affects the way that volcanoes grow.

All you’ll need to see viscosity-in-action are two cans of molasses, 2 plates, a heatproof bowl and boiling water. First put one unopened can of molasses in a refrigerator overnight. Open the can the next day and pour the contents onto a plate. Notice how thick the molasses is, and how it piles up to form a heap. When a liquid is thick like this it’s called "viscous".

Next have an adult partner boil water and pour it into the bowl. Put the other unopened can of molasses into the bowl and allow it to warm up for 30 minutes. Now open this can and pour the contents onto the other plate. Notice that the molasses is much runnier and spreads quickly into a wide, flat puddle.

What does this mean for volcano shapes? Conical volcanoes grow from thick, viscous lava, together with ash and rubble, because the lava cools before running far away. Shield volcanoes have long gently sloping sides because they grow from runny lava that can travel a long way before cooling. Dome volcanoes are created from lava so viscous and cooling so quickly that it barely flows at all.

Here is some chemistry to explain the viscosity. Thick, highly viscous lava has a large amount of silicate (silicon dioxide, SiO2) minerals. Runny lava has less silicate minerals. Instead, there are more iron and magnesium minerals; the more "ferromagnesian" the content, the less viscous the lava.

Which type of volcano do you think is responsible for the Hawaiian Islands? (Answer: shield volcanoes).


Submitted by DR. KATHLEEN CARRADO GREGAR

To view all past “ChemShorts for Kids,” go to: http://www.chicagoacs.net/ChmShort/kidindex.html

SHEVCHENKO RECEIVES A PRESIDENTIAL EARLY CAREER AWARD FOR SCIENTISTS AND ENGINEERS

Congratulations to Dr. Elena Shevchenko, who received a Presidential Early Career Award for Scientists and Engineers, the nation’s highest honor for researchers in the beginning stages of their independent research careers. Dr. Shevchenko was honored for contributions to meet America’s scientific and technological missions and the country’s economic, energy, health and security needs. “Science and technology have long been at the core of America’s economic strength and global leadership,” said President Obama. “I am confident that these individuals, who have shown such tremendous promise so early in their careers, will go on to make breakthroughs and discoveries that will continue to move our nation forward in the years ahead.”

Dr. Shevchenko was also recognized as one of the country’s top young innovators by Technology Review magazine, which is published by the Massachusetts Institute of 3Nanoscale Materials and spoke at the Chicago section’s March meeting in 2010 on her research in nanotechnology.

2011 CHARLES D. HURD LECTURES

Northwestern University Department of Chemistry is pleased to announce that William F. Banholzer, Chief Technical Officer for the Dow Chemical Company, will be the 2011 Charles D. Hurd Lecturer on March 24-25, 2011. Dr. Banholzer will give the following lectures during his visit:

• Thursday, March 24, 2011, 4:00 p.m., Tech LR5
  Title: Recognizing Hype versus Practical Limitations in Fuels and Alternative Feedstocks

• Friday, March 25, 2011, 11 a.m., Tech K140
  Special Student Session
  Title: Personal Experiences & Lessons Learned in 20+ Years of Industrial R&D

• Friday, March 25, 2011, 4:00 p.m., Tech LR5
  Title: The Challenge of Taking a New Idea into a Commercial Business

There will be a Reception immediately following the lecture on Thursday, March 24, 2011 in the Tech Institute Lobby. For more information, go to www.chem.northwestern.edu.

March, 2011 Vol. 98, No. 3. Published by the Chicago Section of The American Chemical Society, Editorial Staff: Cherlyn Bradley, Editor; Fran Kravitz, Associate Editor; Richard Treptow, Proofreader; Frank Jarzembowski, Publications Business Manager. Address: 1400 Renaissance Dr., Suite 312, Park Ridge, Illinois 60068; 847/391-9091. Subscription rates: $15 per year. Frequency: monthly-September through June.
HISTORY OF THE PUBLIC AFFAIRS AWARD

The Public Affairs Award was established by the Public Affairs Committee of the Chicago Section of the American Chemical Society in 1982. The award was established to recognize individuals who were involved in science and public policy issues. One of the stipulations of the award is that the individual need not be a chemist or a member of the society, but should have been a resident of the EPA Region V during the time period for which he/she is being recognized. During the years 1983 – 1987, the award was given annually. Beginning in 1989, the award was presented biannually. Past recipients of the Public Affairs Award are listed below, along with their achievements. (The States of Region V: Illinois, Indiana, Michigan, Minnesota, Ohio, And. Wisconsin; Region V, EPA, 77 West Jackson. Boulevard, Chicago, IL 60604)

1983 Dr. Carl Moore
Professor of Chemistry, Head of Department of Chemistry, Loyola Univ.; For outstanding public service, as an advisor to local governments in science and public policy.

1984 Dr. Ananda Chakrabarty
Research Scientist, General Electric Inc., Professor of Biochemistry, Univ. of Illinois; For obtaining the first patent for a living organism, as a bacterium for use in pollution control.

1985 Mr. Valdas Adamkus
Regional Administrator, Region V EPA; For outstanding administration of the regional office, and for standing strong against attempts to weaken pollution control regulations and politicize the office. Mr. Adamkus returned to his native Lithuania as president two years ago.

1986 Dr. James Shoffner
Senior Research Chemist, Allied Signal-UOP, presently Adjunct Professor of Science in Columbia College Science Institute; For pioneering work in establishing the Public Affairs Committee, and working with state, local and regional governments on science and public policy issues.

1987 Dr. Etcyl Blair
Consultant, Industry-Government Relations, Retired Vice President Health and Environmental Sciences, Dow Inc.; For outstanding work in devising corporate compliance policies, and for managing analytical methodologies to provide effective pollution control.

1989 Dr. William Beranek
Advisor to Governor of Indiana, Head of Indiana environmental consulting firm; For work done in risk-benefit analysis and environmental improvement strategies championed nationally.

1991 Dr. Leon Lederman
Nobel Laureate in Physics, Director Emeritus, Fermilab, Professor of Physics, Univ. of Chicago, Illinois Institute of Technology; For speaking for science nationally and internationally, championing science funding and for being a leader in science education.

1993 Dr. Walter McCrone
President and Founder, McCrone Institute, Internationally known chemical microscopist, exposed Shroud of Turin and Vinland Map as forgeries; For world class work on fiber and particle identification, especially asbestos fibers, and for socially relevant contributions as President of the Board of Ada S. McKinley Community Services, one of Chicago’s leading social agencies.

1995 Dr. Walter E. Massey
President, Morehouse College, former VP Research, Univ. of Chicago, Director, Argonne Lab, VP Academic Affairs, Univ. of California; For public service on federal, local and state boards and commissions, speaking and writing on science and public policy, and for leading efforts to maintain the viability of Argonne Lab.

1997 Dr. Zafra Lerman
Head of Science Institute, Columbia College; For outstanding contributions in the areas of human rights and science education. Since receiving this award, she has received numerous other awards, most recently the Jose’ Vosconelos Award for Education, presented at the U. of Witwatersrand, S.A, in November, 2001.

1999 Mr. Bill Kurtis
Host for award winning documentaries on A & E Network; For using the medium of television to educate schoolchildren and enlighten the general public regarding the role that science and technology continues to play in shaping our civilization.

2001 Hon. Harris Fawell
Former Congress Representative (IL.13th; 1985-1999), Given for support of science and technology, especially for tech corridor in his district, and Argonne National Lab. Organized S&T Advisory Committee with chemist (member of PA committee as head). Gave keynote lecture at symposium sponsored by committee at National Meeting in Chicago in 1985.

2003 Dr. Inara Brubaker
Research Scientist/Associate, UOP, Allied Signal Research Center. ACS Congressional Science Fellow, 1977-78; Member, ACS Bd-Council Committee on Public Affairs.

(continued on page 6)
BARBARA MORIARTY, PUBLIC AFFAIRS AWARDSEE FOR 2011

I am very pleased and proud to introduce Barbara Moriarty as our Public Affairs Awardee for 2011. I want to give special thanks to those who served as our PA Award Committee and agreed that she is a very fitting choice for this honor.

I have known Barbara for nearly 25 years as a fellow member of the Chicago Section. I have worked with her on many programs for the Society and the Section. During that time, I have found her to be a person of the highest integrity, dedication and character. She came to the Chicago Section in 1986 from the University of Minnesota upon receiving her doctorate. She joined The Nalco Company as a research chemist and has been with Nalco since, having reached the rank of research associate. She immediately became actively engaged in the Chicago Section and has worked diligently as a section member and officer since that time.

Her involvement in the section has been active and exemplary. She has stepped forward to carry out responsibilities wherever and whenever she was asked or recognized a need on her own. She has served two terms as Chair of the Section, 1997 – 1998 and 2006; alternate councilor, 1993 – 1996; councilor, 1997 to present. In addition to serving as a leader for the section and as member of council, she has served in many other capacities. For example, she has also served as Employment Chair, Chair of Long Range Planning, and Editor of the Chemical Bulletin.

At the National level, she has been a councilor representing the Chicago Section since 1997. During that time, she has served maximum terms on the Committee on Divisional Activities and Committee on Economic and Professional Affairs. She has also served on the Science Committee, as Chair of the Division of Professional Relations, and as the Division’s webmaster from 2004 – 09. Most recently, she was served as Chair for the organization of the symposium program to “Commemorate the Life of Dr. Tom Kucera;,” which was presented at the National Meeting in Boston this past August. These are just a few of her National commitments, activities and responsibilities.

A major reason that I know her so well is because she has served with me as Co-Chair of the Chicago Section Public Affairs Committee since 1997. Except for a couple of years that she has taken time off to chair the section, her interests have been substantially and significantly involved in science and public policy issues.

The area of Public Affairs is challenging. It is difficult to find chemical scientists who are willing to step up and take on the responsibility of conveying a true and realistic view of the story of chemical science to the public in a way that is interesting, honest and at the same time, conveys the importance to society. Over the past 13 years, to the public and to public officials, Barb has done this, and she has written about it for our section, and in so doing, has made us more aware of the importance of this involvement and interaction.

Barb has had no reservations about meeting with public officials. Recently, led by Barb’s initiative, we met with Cong. Bill Foster (D, 14th/IL) in his district office in Batavia. Cong. Foster has a Ph.D. in physics, and it was our hope that as a result of this meeting, we would be able to have him become more involved with the section and meet with section members. Even though he recently lost his bid for re-election, he is still interested in science and public policy issues. And, of course there are several other representatives in the Chicago area with whom we hope to be meeting and interacting.

Barbara has also continually maintained her interest in keeping alive our relationship with the professional engineering societies by representing the section at DuPage Area Engineers Week. She recognizes the importance of maintaining a strong relationship with other science and engineering professionals. She been doing this for at least the past ten years and her outreach efforts have helped the section to maintain an excellent relationship with our fellow science and technology professionals.

Finally, let me close by speaking about Barbara as the very kind and gentle person whom I have known since she came to the Chicago Section nearly 25 years ago. She has always been ready to step forward, and go out of her way to help with National Chemistry Day/Week, encouraging youth about chemistry, representing her company, while at the same time maintaining a strong relationship with other science and engineering professionals.

I am proud to present her as the Chicago Section Public Affairs Awardee for 2011.

JIM SHOFFNER
Co-Chair, Public Affairs Committee

DEADLINES FOR CHEMICAL BULLETIN

Please submit all Chemical Bulletin copy to the editor before the deadlines listed below for each issue. Articles can be emailed to the editor, Cherlyn Bradley, cbrad1027@aol.com. Please submit your articles as a Word doc, docx, txt, or rtf file. Any photos should be jpg, tif, pdf, Photo Shop, or InDesign files.

Since we like the Bulletin to be as timely as possible, we need the lead time indicated. You can help by early planning and submission of your information or articles.

<table>
<thead>
<tr>
<th>2011 Issue</th>
<th>Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>May</td>
<td>April 1</td>
</tr>
<tr>
<td>June</td>
<td>May 6</td>
</tr>
<tr>
<td>September</td>
<td>July 15</td>
</tr>
<tr>
<td>October</td>
<td>September 2</td>
</tr>
<tr>
<td>November</td>
<td>September 30</td>
</tr>
<tr>
<td>December</td>
<td>October 21</td>
</tr>
</tbody>
</table>

The mission of the Chicago Section of the ACS is to encourage the advancement of chemical sciences and their practitioners.
HISTORY OF THE PUBLIC AFFAIRS AWARD

2005  Dr. Tom Kucera
Organizer of the Section’s Chemistry Day Program, represented Chicago Section at city council hearings on phosphate detergents in 1970’s, champion of professional practices for members.

2007  Mr. Lee Marek
Impacted generations of students during a full career as a teacher at Naperville High School; Ambassador of science, As an entertainer and educator on the David Letterman Show, developer of educational and motivational materials.

2009  Dr. Mary L. Good
VP, Dir of Research, UOP/Allied Signal Des Plaines; Past ACS President, 1987; Founding Dean and Donaghey University Professor of Engineering, Univ. of Arkansas at Little Rock, many other honors and achievements.

2011  Dr. Barbara Moriarty
Research Associate, Nalco Co., Co-Chair, Chicago Section Public Affairs Committee; Chair, Div. of Prof Relations (ACS); Organizer and convener of symposia locally and nationally.

DID YOU KNOW?
IYC 2011 Chicago-Style
The Chicago section is setting up a website that will highlight the International Year of Chemistry with a Chicago flavor. Stay tuned for further details!

PUBLIC AFFAIRS AWARD COMMITTEE - 2010
Jim Shoffner, Chair
Cherlyn Lavaughn Bradley
Charles E. Cannon
Kenneth Fivizzani
Russell W. Johnson
Margaret Stowell Levenberg

SECTION MEETING DATES 2011
Friday, March 18
Friday, April 29
Friday, May 20
Thursday, June 23
Friday, September 23
Friday, October 21
Thursday, November 17
Friday, December 9

A BUCHI for every budget!

The Rotovapor® R-3 provides a value-priced high-quality BUCHI alternative to unreliable imitation brands for cost-conscious customers. Now, there is no longer a reason to compromise quality, safety, or peace of mind when choosing a rotary evaporator – there is a Buchi for every budget!

BUCHI Corporation
1-877-MYBUCHI
or visit www.mybuchi.com
ATTENTION LABORATORY MANAGERS!

You are invited to join or renew your membership in the Association of Laboratory Managers (ALMA). As a lab manager the $50 ALMA membership fee is one of the best investments you can make. You can join other lab managers from around the world in sharing leadership growth opportunities through conferences, workshops, bulletins on management tips, and networking discussions. Below is a summary of ALMA membership benefits.

Benefits of ALMA Membership

Modern laboratory managers face a unique blend of technical and people management challenges. While most lab managers have climbed the technical ranks and are well positioned to address the technical challenges, most have little formal training in management skills when they start managing a lab. The Association of Laboratory Managers (ALMA) was formed to enable all laboratory managers to learn and improve their skills. ALMA provides an array of opportunities to meet other laboratory managers and exchange ideas and build on the experiences of other managers to continually improve management skills. Some of these opportunities include:

- Participation in the annual ALMA conference, a two day event focusing on the skills that all laboratory managers require to be successful. The ALMA conference brings together experts in the field and a diverse group of managers to discuss important topics. Members have a reduced conference rate.

- Participation in local ALMA section meetings, a part day meeting of lab managers within the same region to discuss and share on topics of interest to the group. This type of peer mentoring can be especially effective.

- Participation in laboratory management workshops to focus on growing specific management skills. Members have reduced workshop rates.

- Access to a network of professional laboratory managers as a resource.

In addition ALMA membership brings access to the members-only pages of the ALMA website. There are several areas of interest to laboratory managers interested in growing their skills, such as:

- Access to slides from the Pittcon Symposium and Annual Conference
- Access to articles published in Managing the Modern Laboratory
- Free reprints of Lab Manager Magazine (LMM) articles
- If unemployed, free employment ad in LMM.

ALMA members also have the opportunity to influence the direction of the organization. Members have voting privileges and are eligible for Board of Directors and committee positions.

ALMA membership provides a number of benefits that enable laboratory managers to network, share experiences, and learn together to improve their management skills. Join ALMA today at the on-line ALMA store at www.labmanagers.org. Sharing experiences and challenges help make better leaders.

IN MEMORIAM

Larry Berman, long-time member of the Chicago Section, passed away on January 17. He was 91 and an active Section member until injured in a serious fall on January 5. Larry had, in fact, attended our holiday party in December and truly loved being involved in the ACS. He is survived by his wife Evelyn, daughter Mary, two grandchildren, and other relatives.

Ed Shiner, long-time member of the Chicago Section, passed away in January. He was 86 and usually attended the section’s dinner meetings held at Loyola. He is survived by his wife Betsy, children, grandchildren, great-grandchildren, and other relatives.

DID YOU KNOW?

Common household microwaves operate at a frequency of 2.45 gigahertz and large industrial microwave systems commonly run at 915 megahertz.

The heating effect of microwaves was discovered by accident when an American engineer was experimenting with a magnetron tube, which produces microwave radiation. During his experiments, he realized the chocolate bar in his pocket had melted, which in turn led to the invention of the microwave oven.

-- from the National Ag-Based Lubricants Center (NABL) newsletter, Advocate, winter 2010 issue.
You and your guest(s) are cordially invited to attend the 100th presentation of the Josiah Willard Gibbs medal to Professor Robert Bergman, The Gerald E. K. Branch Distinguished Professor of Chemistry, University of California, Berkeley, on Friday, May 20, at Casa Royale, 783 Lee Street, Des Plaines, IL 60016. A social hour begins at 6 PM. Dinner is served at 7 PM. Dr. Bergman’s talk will begin at approximately 8:30 pm.

After a social hour with Hors-d’oeuvres and two Complimentary Drinks, dinner on this special occasion includes Cream of Asparagus Soup, Signature Salad Pre-Dressed with Raspberry Vinaigrette Dressing; a choice of Prime New York Strip or Baked Salmon with Dill Sauce or Eggplant Parmigiana; Duchess Potatoes and Green Beans Almandine; and Warmed Apple Cobbler à la mode with Caramel Sauce, as well as Wine.

To reserve your tickets, please call the Chicago Section office at 847-391-9091 or register at http://ChicagoACS.org by Monday, May 16 and pay $40 at the door, or fill out the attached reservation form and mail it with your payment of $40 by Wednesday, May 11 to the address below. If you are not a member of the Chicago Local Section, you are not eligible for half price tickets for students, unemployed, or retired Chicago Section members. Tickets and nametags will be available at the door. No refunds will be made after noon on Monday, May 16, 2011.

The Gibbs Award Dinner is always a memorable occasion. Only the Nobel Prize is considered more prestigious. Please come to salute the recipient and rejoice in Dr. Bergman’s achievements in and contribution to the science of Chemistry.

Margaret Stowell Levenberg
Gibbs Arrangements Committee

2011 GIBBS DINNER RESERVATION FORM

Name________________________________________ Affiliation________________________________________

Address__________________________________________________________________________________________ Phone(________)________

Email Address_____________________________________________________________________________________

# tickets for ACS members & guests ($40.00/ticket) ____________

#tickets for students, unemployed members, and retirees who are Chicago Section members ($20.00/ticket) ____________

Note: Professors must make student reservations.

# dinners:

Prime New York Strip ____________

Baked Salmon with Dill Sauce ____________

Eggplant Parmigiana ____________

Total Enclosed $ ____________ Payable at time of reservation if reservation is made by mail. Please include a list of your guests’ names, affiliations and dinner selections with this form.

Return with payment to: American Chemical Society, Gibbs Reservations
1400 Renaissance Drive, Suite 312, Park Ridge, IL 60068
CHICAGO SECTION’S CHARITABLE GIVING

In 2010, the Chicago Section of the American Chemical Society participated in donations to three charities, Loaves & Fishes Community Pantry, The Ronald McDonald House Charities and Ada S. McKinley Community Services.

Section members are asked to bring a food item, clothing or toys to the December dinner meeting. In 2010, Section members donated three very large boxes of toys and clothing and 450 lbs of food plus $150. The food and money was donated to the local Loaves & Fishes Community Pantry which is a community based, non-profit organization established to provide food and personal care essentials to residents in need. The clothing and toys were donated to Ada S. McKinley Community Services, Inc., which is a social agency in Chicago serving individuals with disabilities or other limiting conditions that need help in finding and pursuing paths leading to healthy, productive and fulfilling lives. The adult clothing is used in their adult services program for job interviews. The children clothing and toys are used in their emergency foster care program serving children who have been removed from their homes because of neglect or abuse or because the foster home placement was disrupted.

The third program for the Ronald McDonald House Charities of Chicagoland and Northwest Indiana has been an on-going program. Members have been asked to bring in collected aluminum soda can pull tabs to monthly dinner meetings. These metal pull tabs have remained in storage for several years until a large enough quantity were collected. The aluminum pull tabs were donated to the local Ronald McDonald House Charities group. The tabs are recycled by their recycling partner, United Scrap Metal, for money plus an additional charitable match from United Scrap Metal. This year, the Section brought in 80 gallons of pull tabs.

FRAN KRAVITZ
MARCH HISTORICAL EVENTS IN CHEMISTRY

March 1, 1910  Archer J. P. Martin, who shared the Nobel Prize in Chemistry with Richard L. M. Synge in 1952 for their invention of partition chromatography, was born.

March 2, 1886  H. Jermain Creighton, who was a researcher in electro-organic chemistry and developed the industrial process for electroreduction of glucose to sorbitol and mannitol, was born.

March 3, 1918  Arthur Kornberg, who shared the Nobel Prize in Physiology or Medicine in 1959 with Severo Ochoa for their discovery of the mechanisms in the biological synthesis of ribonucleic acid and deoxyribonucleic acid, was born.

March 7, 1788  Antoine-César Becquerel, who in 1836 was the first to use electrolysis to recover metals from ores, was born. He also invented an electric thermometer.

March 8, 1886  Edward C. Kendall, who isolated thyroxine in 1915, was born. He shared the Nobel Prize in Physiology or Medicine in 1950 with Philip Hench and Tadeus Reichstein for their discoveries relating to the hormones of the adrenal cortex, their structure and biological effects.

March 12, 1838  William H. Perkin, who with B. P. Duppa synthesized tartaric acid, was born. He also discovered mauve, the first aniline dye, in his home laboratory in 1856, the Perkin reaction for condensation of unsaturated aromatic acids, and coumarin. He elucidated relationship between tartaric, funaric and maleic acids.

March 14, 1984  The first atom of element of hassium (Hs, 108) was observed at GSI Laboratory, Darmstadt.

March 21, 1932  Walter Gilbert, researcher on the determination of deoxyribonucleic acid (DNA) base sequence, was born. In 1980, he shared the Nobel Prize in Chemistry with Paul Berg and Frederick Sanger for their contributions concerning the determination of base sequences in nucleic acids.

March 22, 1788  Pierre J. Pelletier, who with Philip Walter obtained toluene by distilling pipe resin, was born. He discovered quinine, strychnine, and other alkaloids.

March 22, 1868  Robert A. Millikan, who measured the charge/mass ratio of the electron and received the Nobel Prize in Physics in 1923 for his work on the elementary charge of electricity and on the photoelectric effect, was born.


March 24, 1711  William Brownrigg, the first to describe platinum and use pneumatic trough for collection of gases, was born.

March 24, 1884  Peter Joseph William Debye, who received the Nobel Prize in Chemistry in 1936 for his contributions to our knowledge of molecular structure through his investigations on dipole moments and on the diffraction of X-rays and electrons in gases, was born.

March 26, 1911  Bernard Katz, who shared the Nobel Prize in Physiology or Medicine n 1970 with J. Axelrod and U. Von Euler for discoveries concerning humoral transmitters in the nerve terminals and the mechanism for their storage, release and inactivation, was born.

March 31, 1811  Robert Bunsen, who with Gustav R. Kirchhoff discovered rubidium and cesium and invented the spectroscope, was born. He invented the Bunsen burner, filter pump, a galvanic battery, and with Henry E. Roscoe, the actinometer.

LEOPOLD MAY
Professor Emeritus of Chemistry
The Catholic University of America
Washington, DC
Additional historical events can be found at Dr. May's website, http://faculty.cua.edu/may/Chemistrycalendar.htm

HNC Products Company
283 Cromwell Drive
Clinton, IL 61737
217/935-6845

Contract research and custom manufacturing of topical dermatology products: Rx, OTC and treatment cosmetics

CGDNETWORK
Crystal Growth & Design has recently launched the CGD Network, a new forum within the ACS Network that enables researchers to keep up with the latest research and discussions from the crystal science and engineering community. Content includes discussion groups on controversial topics, weekly highlights of papers/patents, structure of the week competition and much more! View the network at communities.acs.org/community/cgdnetwork
school, then she would work full time.
until my sister and I were old enough for
live off the rents of the other three. The
my sister and I would live in one unit and
apartment house with the plan that Mom,
used the proceeds to buy a four-unit
Mom and Dad sold their house and
pulled off the road so Dad could vomit.
took over all the driving and occasionally
and spent his days in bed. I noticed Mom
me, that he did not go to work very often,
could no longer pick me up and carry
collections are that my strong Daddy
Three years old at the time, my re-
would die.
advised to start planning for the day he
failure and given less than a year to live.
year my dad was diagnosed with kidney
tracks."
"I was born on the wrong side of the
school, but only with tutoring by my
completed high
neither her mother nor father finished
grew up in a blue collar family where
Her beauty and charm trumped all the
debutantes in town, and swept Dad off
his feet. She thought she had it made
and that all her fears would go away.
Money and position, however, would not
erase her feelings of inferiority. Those
feelings were intensified instead. The
contrast between her education and her
in-laws with professional degrees was
intimidating.
Mom wanted to fit in, join the discussions,
and be an authority in her own right. In
short, she wanted to feel important in
her new family, and she realized that she
needed more knowledge. Determined
to find a way to reduce her education
deficit, Mom threw herself into reading.
Any subject appealed to her at first, and
over time she found her favorites and
pursued them to excellence. One thing
she had no time for was fiction.
It was a habit that served her well, and,
in 1960, it paid off in a big way. That
year my dad was diagnosed with kidney
failure and given less than a year to live.
There was no cure and my parents were
advised to start planning for the day he
would die.

Three years old at the time, my re-
collections are that my strong Daddy
could no longer pick me up and carry
me, that he did not go to work very often,
and spent his days in bed. I noticed Mom
took over all the driving and occasionally
pulled off the road so Dad could vomit.

Mom and Dad sold their house and
used the proceeds to buy a four-unit
apartment house with the plan that Mom,
my sister and I would live in one unit and
live off the rents of the other three. The
plan was for my mother to work part time
until my sister and I were old enough for
school, then she would work full time.

Until Dad’s illness, she had been a stay
home Mom.
After high school, Mom trained as an
x-ray technician, but had not worked
in years. She began to take temp jobs
to beef up her skills and to develop a
network of potential employers when the
inevitable day arrived.
At one of those early temp jobs, the
x-ray machine broke. An extended period
doing this ensued, and Mom went to
the magazine rack in the doctor’s lobby
for something to read. She passed over
the popular magazines of the day after
finding an out of date medical journal.
“This looks like something good for my
mind!” she thought.

In an article about physicians in Boston
conducting experimental surgery, she
learned of the world’s first kidney
transplants. At the time of the writing, the
doctors were looking for volunteers. Her
pulse quickened. As she read on, she
discovered there was a prerequisite. The
volunteers had to have an identical twin.
Dad happened to have an identical twin.
At that point Mom ran to the nearest
phone and dialed Boston until she got
one of those doctors on the line. “Yes,”
he replied, “we are still looking for
volunteers. Send me your husband and
his brother.” That night they went to visit
my Uncle Ralph, who said, “To save your
life, absolutely! Yes, you may have one of
my kidneys.”
I share this story because Mom de-
nveloped a lifelong habit of reading non-
fiction because she wanted to impress
her in-laws and other people who
intimidated her. In the end, her habit
saved my dad’s life. He became the 12th
person in the world to have a kidney
transplant and live. And, I got Dad for 18
more years.

Robert Evans Wilson, Jr. is a
motivational speaker and humorist. He
works with companies that want to be
more competitive and with people who
want to think like innovators. For more
information on Robert’s programs please
visit www.jumpstartyourmeeting.com.

IYC 2011
The International Year of Chemistry 2011
(IYC 2011) is a worldwide celebration of
the achievements of chemistry and its
contributions to the well-being of humankind. Under the unifying theme “Chemis-
try—our life, our future,” IYC 2011 will of-
fer a range of interactive, entertaining, and
educational activities for all ages.
The goals of IYC2011 are to increase the
public appreciation of chemistry in meet-
ing world needs, to encourage interest in
chemistry among young people, and to
generate enthusiasm for the creative fu-
ture of chemistry. The year 2011 will co-
incide with the 100th anniversary of the
Nobel Prize awarded to Madame Marie
Curie—an opportunity to celebrate the
contributions of women to science. The
year will also be the 100th anniversary
of the founding of the International As-
sociation of Chemical Societies, provid-
ing a chance to highlight the benefits of
international scientific collaboration.
IYC 2011 events will emphasize that
chemistry is a creative science essen-
tial for sustainability and improvements
to our way of life. Activities, such as
lectures, exhibits, and hands-on ex-
periments, will explore how chemical
research is critical for solving our most
vexing global problems involving food,
water, health, energy, transportation,
and more.

In addition, the Year of Chemistry will
help enhance international cooperation
by serving as a focal point or information
source for activities by national chemical
societies, educational institutions, indus-
try, governmental, and non-governmen-
tal organizations.
The IYC 2011 is an initiative of IUPAC,
the International Union of Pure and Ap-
plied Chemistry, and of UNESCO, the
United Nations Educational, Scientific,
and Cultural Organization. It involves
chemical societies, academies, and in-
sstitutions worldwide, and relies on indi-
vidual initiatives to organize local and
regional activities.

Good Habit - Questionable Motive
I would like to share with you a story
about my mom, a woman who was very
insecure about her background. She
grew up in a blue collar family where
neither her mother nor father finished
eighth grade. Mom completed high
school, but only with tutoring by my
father. She would frequently say to me,
“I was born on the wrong side of the
tracks.”

At age 19, she married my father, the
handsome son from a wealthy family.
Her beauty and charm trumped all the
debutantes in town, and swept Dad off
his feet. She thought she had it made
and that all her fears would go away.
Money and position, however, would not
erase her feelings of inferiority. Those
feelings were intensified instead. The
contrast between her education and her
in-laws with professional degrees was
intimidating.
Mom wanted to fit in, join the discussions,
and be an authority in her own right. In
short, she wanted to feel important in
her new family, and she realized that she
needed more knowledge. Determined
to find a way to reduce her education
deficit, Mom threw herself into reading.
Any subject appealed to her at first, and
over time she found her favorites and
pursued them to excellence. One thing
she had no time for was fiction.

It was a habit that served her well, and,
in 1960, it paid off in a big way. That
year my dad was diagnosed with kidney
failure and given less than a year to live.
There was no cure and my parents were
advised to start planning for the day he
would die.
March 10: Chicago Section ACS Board Meeting, 1400 Renaissance Dr., Suite 312, Park Ridge, IL 60068; 847-391-9091.

March 13-18: Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (Pittcon 2011), Georgia World Congress Center, Atlanta, GA. For additional information, visit the Pittcon website at www.pittcon.org.

March 18: Chicago Section ACS Public Affairs Award Dinner Meeting. See details in this issue.

March 24-25: 2011 Charles D. Hurd Lecture Series, Northwestern University, Tech Institute. See article on page 3 in this issue.

March 27-31: ACS National Meeting in Anaheim, CA.

April 2: Chicago Area Undergraduate Research Symposium, Museum of Science and Industry. For further information, contact lsimmons@luc.edu or info@caurs.com.

April 14: Chicago Section ACS Board Meeting, 1400 Renaissance Dr., Suite 312, Park Ridge, IL 60068; 847-391-9091.

April 16: Chicago Section's Girl Scouts Chemistry Badge program, College of DuPage, Naperville, IL.

April 22: Earth Day

April 29: Chicago Section ACS Dinner Meeting. The after-dinner speaker is Jiaxing Huang, Northwestern University.

May 12: Chicago Section ACS Board Meeting, 1400 Renaissance Dr., Suite 312, Park Ridge, IL 60068; 847-391-9091.

May 20: Chicago Section ACS Gibbs Award Banquet and Lecture. The dinner reservation coupon is on page 8 in this issue. The Gibbs Medalist is Robert G. Bergman, UC Berkeley.

June 8-10: 42nd Central Regional ACS Meeting (CERM 2011), IUPUI, University Place Conference Center, Indianapolis, Indiana. For additional information, visit cerm_regional.sites.acs.org.

June 16: Chicago Section ACS Board Meeting, 1400 Renaissance Dr., Suite 312, Park Ridge, IL 60068; 847-391-9091.


June 23: Chicago Section ACS Distinguished Service Award Meeting; 50 & 60-year members honored. The after-dinner speaker is Adrian Whitty, Boston University.

August 12-21: ACS Illinois Sections' cooperative tent project at the Illinois State Fair in Springfield. For further information on this fun and worthwhile outreach activity, contact the section office at 847-391-9091. Also, visit website http://chicagoacs.org/statefair/index.html

C&EN ARCHIVES IS NOW ONLINE

C&EN Archives, the new digital collection of 85+ years of Chemical & Engineering News (C&EN), is now online at pubs.acs.org/cen-archives. Fully searchable and accessible on the same platform as ACS journals and books, C&EN Archives provides instant access to more than 500,000 pages of quality journalism from C&EN. C&EN Archives consists of all content from every issue, from cover to cover. At its initial launch, C&EN Archives includes all content from 1923 through 2009; content from 2010 will also be added in early 2011.

JOB CLUB

The next meeting of the Chicago Section ACS Job Club will be held on Friday, March 18 at 5:30 p.m. at Café La Cave. The meeting will include a review and discussion of some of the tools that a chemist can use to conduct a job search.

The Job Club provides a continuing opportunity for unemployed members of the Section to meet with one another, share their experiences and develop a network that may help in identifying employment opportunities. Bring plenty of resumes and business cards to distribute to your colleagues. Be prepared to talk about the kind of job you are seeking.

Several participants have received outsource help with resume preparation and marketing strategies to present their best attributes to prospective employers. The group has critiqued some individual resumes and made suggestions for improvements in a positive way!

The Job Club is also for employers seeking chemists. Employers need to be prepared to describe the positions to be filled and requirements for these positions.

Should you wish to attend the Section's dinner meeting following the Job Club, the cost is $20 and you can continue your networking activities. Please call the Section office for reservations and indicate that you are eligible for a discount.

Also, the Chicago Section's website has a link to the Job Club's yahoo job forum group. If you can't attend the Job Club, you can still find out about job openings and other information.