

# The Chemical Bulletin

<http://chicagoacs.org>

JUNE • 2012

## CHICAGO SECTION AMERICAN CHEMICAL SOCIETY MONTHLY MEETING THURSDAY, JUNE 21, 2012

**Manzo's Banquets**  
1571 S. Elmhurst Road  
Des Plaines, IL  
847-593-2233

**DIRECTIONS TO THE MEETING**  
See page 2

**JOB CLUB** 5:00 - 6:00 P.M.

**WCC PRE-DINNER EVENT** 5:00 - 6:00 P.M.  
"You Just Finished Your BS/PhD/PostDoc in Chemistry – Now What?"

Are you wondering what you'll do after completing your studies? Don't know how to get a job in the chemical field? Not sure of what you want to do? Come to the mentoring session for all chemistry graduate, undergraduate and postdoctoral students, female and male, who are interested in getting jobs in chemistry. See page 3 for more information.

**SOCIAL HOUR (Cash Bar)** 5:30 - 6:30 P.M.  
Complementary pizza

**DINNER** 6:30 P.M.  
Menu and other information is on page 2.

**GENERAL MEETING** 7:30 P.M.

**Presentation of the 50 and 60-YEAR AWARDS**  
The Chicago Section honors our fifty and sixty-year members.

**Presentation of the 2012 DISTINGUISHED SERVICE AWARD posthumously to Sandy Angelos (see page 5)**

### AFTER-DINNER SPEAKER



**Mark Griep**, Associate Professor and Vice-Chair, University of Nebraska-Lincoln, Lincoln, NE

**Topic: "ReAction! Chemistry in the Movies"**

**Abstract:** Have you ever wondered about the contents of Dr. Jekyll's "Hyde formula" or the invisibility drug mono-caine from *The Invisible Man*? In this talk, you will learn about those topics and how they fit into the larger theme of the dark and bright sides of chemistry in the movies. For example, in *Clambake* from 1967, Elvis Presley is a chemist who develops a super-hard, super-fast drying varnish that he uses to win the boat race, the girl, and his father's respect. You will learn that when chemistry is part of the narrative in movies, it is about the relationship between Dr. Jekyll and inventor

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chemists, between the invisible man and forensic chemists, between chemical weapons and classroom chemistry, between avaricious chemical companies and altruistic research chemists, and, finally, about the relationship between people who choose to experiment with mind-altering drugs vs. the drug discovery process.

**Biography:** Mark Griep is a chemistry professor at the University of Nebraska-Lincoln, who studies the process of lagging strand DNA synthesis enzymes. He has devoted his teaching career to finding ways to engage people to want to learn more chemistry. In 2008, he was awarded the UNL Distinguished Teaching Award for revising the Chemistry Department's course for non-scientists. In 2009, he co-authored *ReAction! Chemistry in the Movies*. It was funded by the Alfred P. Sloan Foundation in the area of the public understanding of science and published by Oxford University Press. The book was favorably reviewed in *Nature Chemistry*, *Chemistry World*, *Entrepreneur*, *Chemical Heritage Magazine*, and on the ScriptPhD blog. In 2010 and 2011, he presented lectures about using movie clips to teach chemistry at the National Academy of Sciences and the American Chemical Society's national meeting.

## DIRECTIONS TO THE MEETING

**From the East:** Take I-90 west. Exit onto Elmhurst Road north. Go past first traffic light (Oakton St.). The banquet hall is on your right.

**From the West:** Take I-90 east. Exit onto Arlington Heights Road south. Go to Higgins Road (Rt. 72). Turn left. Take Higgins to Oakton St. Turn left. Go to Elmhurst Road. Turn left. The banquet hall is on your right.

**From the North:** Take I-294 south to I-90 west. Exit onto Elmhurst Road north. Go past first traffic light (Oakton St.). The banquet hall is on your right.

**From the South:** Take I-294 north to I-90 west. Exit onto Elmhurst Road north. Go past first traffic light (Oakton St.). The banquet hall is on your right. Alternately, take I-355 north to I-90 east. Exit onto Arlington Heights Road south. Go to Higgins Road (Rt. 72). Turn left. Take Higgins to Oakton St. Turn left. Go to Elmhurst Road. Turn left. The banquet hall is on your right.

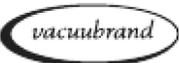
**PARKING:** Free

**Menu:** Onion Soup; Garden salad with choice of dressing; Entrée Selections: Tilapia, New York Strip Steak, or Pasta Primavera; rolls and butter; Spumoni ice cream; beverage.

Dinner reservations are required and should be received in the Section Office via phone (847-391-9091), email ([chicagoacs@ameritech.net](mailto:chicagoacs@ameritech.net)), or online (<http://www.chicagoacs.net>) by noon on Tuesday, June 19.

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-members and is \$37. 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.



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## WCC ARTICLE AUTHORS NEEDED

The Chicago Section's Women Chemists Committee has a project to highlight women, both current and historical, and topics of interest to women. The project is called the "WCC Column" in the *Chemical Bulletin* 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 TERI COLLINS

## "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.

### Rochelle Salt – Part I

Kids, did you ever hear of a crystal radio kit? More about that will be in Part II of this activity, but here we will make, Rochelle salt, an essential ingredient of the crystal radio. Rochelle salt can be used to grow very large single crystals that exhibit piezoelectricity. This property means the creation of electricity resulting from pressure in the form of mechanical stress. As a result, these crystals can be used as transducers in microphones.

Rochelle salt is also called potassium sodium tartrate with the molecular formula of  $\text{KNaC}_4\text{H}_4\text{O}_6 \cdot 4\text{H}_2\text{O}$ . Unless your adult partner works in a lab, you probably don't have this chemical lying around. But you can make it in your own kitchen!

Make sodium carbonate (also called washing soda,  $\text{Na}_2\text{CO}_3$ ) by having your adult partner heat the contents of  $\frac{1}{2}$  box of sodium bicarbonate (also called baking soda,  $\text{NaHCO}_3$ ) spread thinly in an oven-safe pan at  $275^\circ\text{F}$  for an hour.

Have your adult partner heat a mixture of 80 grams cream of tartar ( $\text{KC}_4\text{H}_5\text{O}_6$ ) in 100 milliliters of water to a boil in a saucepan. Remove the saucepan from the heat. Adding one teaspoon at a time, slowly stir the sodium carbonate into the cream of tartar solution. The solution will bubble after each addition, so stir until bubbling stops. Continue adding sodium carbonate until no more bubbles form.

Chill this solution in the pan in the refrigerator. Crystalline Rochelle salt will form on the bottom of the pan. Carefully save your Rochelle salt aside for Part II of this activity which will appear in our next ChemShorts edition.

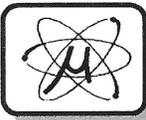
#### Notes:

1. Use a stainless steel or Pyrex saucepan, not an aluminum pan, to dissolve the cream of tartar. The cream of tartar could leach some metal out of an aluminum pan which might interfere with your experiment.
2. Make sure to use real cream of tartar, not the artificial stuff.

References: [http://www.ehow.com/how-does\\_5467738\\_process-making-piezo-crystals.html](http://www.ehow.com/how-does_5467738_process-making-piezo-crystals.html) Anne Marie Helmenstine at About.com:Chemistry <http://chemistry.about.com/b/2011/05/05/how-to-make-rochelle-salt.htm?nl=1>

Submitted by DR. KATHLEEN CARRADO GREGAR

To view all past "ChemShorts for Kids" go to:  
<http://www.chicagoacs.net/ChmShort/kidindex.html>



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## JOIN US AT THE FAIR!

The Chicago Section, jointly with the other ACS Illinois Sections, again plans to have an exhibitor's tent at the Illinois State Fair **August 10-19** in Springfield, IL. Our cooperative tent activities provide information to the public on chemistry with demos, hands-on activities, computer quizzes, posters, literature, and give-aways. They give us a chance to show the positive aspects of chemistry to many Illinois citizens and governmental leaders. **Last year, over 11,200 people visited our tent.**

**We particularly need volunteers to help during the fair. Student members and other student volunteers are welcomed!** If you are interested in helping us for a few hours in this fun and worthwhile science outreach activity (you receive free admission to the Fair and free parking if you sign up to volunteer in time!) -- call the Section office at (847) 391-9091 and go to our website at <http://chicagoacs.net/statefair/index.html> for information and to sign-in using our online volunteer scheduler.

## YOU JUST FINISHED YOUR BS/PHD/POSTDOC IN CHEMISTRY – NOW WHAT?

Are you wondering what you'll do after completing your studies? Don't know how to get a job in the chemical field? Not sure of what you want to do?

The Chicago Section's Women Chemists Committee is sponsoring a **mentoring session on Thursday, June 21, 2012 at 5:00 p.m.** at Manzo's Restaurant in Des Plaines for all **chemistry graduate, undergraduate and post-doctoral students, female and male, who are interested in getting jobs in chemistry.** Members of the Chicago Section ACS with experience in corporate, academic and government settings will be present to help students with their resumes, answer career questions, and provide examples of the types of jobs available in chemistry today.

Immediately following this activity, students and postdocs are invited to attend the Chicago Section monthly dinner meeting at a subsidized cost. The topic of the talk is "ReAction! Chemistry in the Movies" which will be given by Mark Griep of the University of Nebraska. For further information or transportation possibilities, please call the Chicago Section ACS office at 847-391-9091.

**Note:** Dinner attendees are welcomed to come to the student session and tell the students about your careers in chemistry. No prior preparation is necessary. Just come and sit down and share your story.

## CONGRATULATIONS TO OUR 50 AND 60-YEAR ACS MEMBERS!

As part of our June 21 meeting program, we will honor an elite group of our section members who have been ACS members for 50 or 60 years! A membership card entitling them to free attendance at all ACS meetings is sent to each of them from the ACS National office in grateful appreciation of their many years of service to the Society. At our meeting, each of them will be presented a handsome membership certificate to mark the occasion.

### 50-Year Members for 2012

Donald C. Cronauer  
Robert Frederick Cunico  
Nicholas E. Gallopoulos  
Richard V. Hardin II  
Roger Paul Hunz Sr.  
John B. Maher  
Joe V. Michael  
Chiu-Sheung Ng  
Peter Paul Petro Jr.  
Edward P. Pinigis  
Barnett Sylvain Pitzele  
Hans Peter Pohlmann  
Paul S. Poskozim  
Imre Puskas  
Gene W. Schnell  
Richard Wald Shubart  
Arthur William Struss  
Charles Mason Taubman  
Harold M. Whitacre Jr.  
Joseph J. Wiczorek

### 60-Year Members for 2012

D. Kendall Albert  
Albert L. Allred  
Joseph T. Arrigo  
Walter R. Benn  
Wayne L. Carrick  
Donald Edward Dieball  
Edward Dvorsky Jr.  
Daniel B. Eickemeyer  
Roger D. Ginger  
Fred Henry Gunzel Jr.  
Chih M. Hwa  
Bruno Jaselskis  
Arthur A. Krawetz  
John David McCollum  
William S. Reily  
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## DISTINGUISHED SERVICE AWARD TO SANFORD ANGELOS

The 2012 Distinguished Service Award will be presented posthumously to Sanford (Sandy) Angelos at the Chicago Section meeting on June 21.



The Distinguished Service Award recognizes members for outstanding and dedicated service to the Chicago Section ACS.

Sandy received his B.S. in Chemistry in 1972 and his M.S. in Criminalistics in 1975 both from UIC. In 1985 he obtained a M.Ed. in Research Evaluation from UIC. He joined the Illinois Department of Law Enforcement in 1975, and then went on to the U.S. Drug Enforcement Administration (DEA) in 1976 where he stayed until his retirement in 2006. From then until his untimely death in December, 2011, Sandy ran his own company, Aris Associates, Ltd., an independent contractor for the U.S. Department of Justice. During his career

Sandy testified in over 500 court cases involving illicit drug trafficking.

Sandy received many invitations to transfer his forensic expertise to agencies throughout the world including Georgia, Armenia, Thailand, Uzbekistan, Belize, Columbia, Japan and China. Locally he taught forensics at Columbia College, Roosevelt University and his alma mater, UIC.

Sandy was a member of the American Academy of Forensic Sciences, Forensic Sciences Foundation, International Academy of Forensic Sciences, Midwestern Association of Forensic Scientists, and the Council of Forensic Science Educators as well as the American Chemical Society. He held many offices in these organizations. He also served on the editorial review board of the *Journal of Forensic Sciences*. He contributed twenty-five publications to refereed journals, books and government publications, and gave dozens of oral presentations throughout the world.

As a member of the Chicago Section of the American Chemical Society Sandy served in the capacities of Chair-Elect, Chair, Past-Chair, Treasurer, Director, Editor, and Chair of the Bylaws, Distinguished Service Award, Environmental Health and Safety, Gibbs Arrangements, House, National Affairs, Policy, Professional Relations, and Program Committees. By actual count, Sandy gave the equivalent of seventy-four years of service to the Chicago Section during his twenty-three years of membership.

Among the awards he received are the Award of Merit from the Chicago Area Technological Societies (defunct), Foreign Specialist Research Award from the Japanese Government National Police Agency, Teacher of the Year Award from Columbia College of Chicago, Meritorious Service Award from the American Academy of Forensic Sciences Criminalistics Section, and several meritorious awards from the U.S. Department of Justice Drug Enforcement Agency.

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## PUBLIC LECTURES AT ARGONNE NATIONAL LABORATORY

Leading scientists and engineering experts will speak at the U.S. Department of Energy's Argonne National Laboratory as part of a new public lecture series called "Argonne OutLoud." The series highlight the cutting-edge research taking place at Argonne and topics of interest to the community at large. Lectures are free and open to the public but will require advance registration. There will be a lecture on **June 14** featuring solar energy.

For further information and to register for this event, please visit [www.anl.gov/community/outloud](http://www.anl.gov/community/outloud) or contact Eleanor Taylor ([etaylor@anl.gov](mailto:etaylor@anl.gov)).

Argonne National Laboratory seeks solutions to pressing national problems in science and technology. The nation's first national laboratory, Argonne conducts leading-edge basic and applied scientific research in virtually every scientific discipline. Argonne researchers work closely with researchers from hundreds of companies, universities, and federal, state and municipal agencies to help them solve their specific problems, advance America's scientific leadership and prepare the nation for a better future. With employees from more than 60 nations, Argonne is managed by UChicago Argonne, LLC for the U.S. Department of Energy's Office of Science.

## 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, Cheryl Bradley, [cbrad1027@aol.com](mailto:cbrad1027@aol.com).

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.

2012 Issue	Deadline
September	July 20
October	August 31
November	September 28
December	October 26

## REPORT OF SPRING 2012 ACS COUNCIL MEETING IN SAN DIEGO

The 243rd National Meeting of the ACS was held in San Diego, CA from March 25 – 29, 2012. The theme of this meeting was "Chemistry of Life." The Chicago Section was fully represented by Cheryl Bradley, Charles Cannon, David Crumrine, Herb Golinkin, Russ Johnson, Fran Kravitz, Milt Levenberg, Inessa Miller, Barbara Moriarty and Susan Shih.

**Finances:** The Committee on Budget and Finance reported that, in spite of the sluggish economy, ACS generated strong operating results in 2011. Total revenue was \$472.0 million, up +1.8% over 2010. The Net from Operations was \$20.9 million, or \$7.7 million favorable to budget. While operating results were favorable, Unrestricted Net Assets declined from \$130.5 million to \$102 million. The decline was primarily due to a sizable accounting charge related to the Society's closed postretirement benefit plans.

The Council voted to set dues for 2012 at the fully escalated rate of \$151 using a formula that accounts for inflation.

**Governance:** The Council selected Thomas J. Barton and Luis A. Echegoyen as candidates for 2013 President-Elect. These two candidates, along with any candidates from petitions, will stand for election in the Fall National Election.

In addition, the Council learned the results of the election to select candidates from the list of nominees to represent District V. Ballots will be mailed on or before October 10 to all members in District V for election of either John E. Adams or Peter K. Dorhout to represent District V on the Board of Directors for the term 2013-2015.

**Meetings and Expositions:** As of March 28, 2012, the ACS spring national meeting had attracted 16,921 registrants including 8,974 regular attendees and 5,742 students.

**Membership:** At the close of 2011, Society membership totaled 164,215 members – the highest number in Society history. The Society welcomed 24,249 new members (16,092 Regular Members and 8,157 Undergraduate Members).

**Committee on Economic and Professional Affairs:** While the overall percentage of unemployed people in the US has gone down in recent months, the unemployment rate for chemists and material scientists has reached 4.6%. The committee continues to work towards meeting the changing employment needs of our members despite the highest unemployment rate for ACS members since 1970. The career fair at the meeting had 943 job seekers. As at the Fall 2011 Denver national meeting, a hybrid of the traditional career fair coupled with a virtual environment enabled participation regardless of geographic location. The number of virtual job seekers was 2673.

The Chemical Professional's Code of Conduct, which offers guidance for Society members in various professional dealings, was approved.

**Petitions:** The Council approved two amendments (petitions) to the ACS Constitution and Bylaws. The Petition to Amend Recorded Vote Request Procedure provides that a call for a recorded vote after a clicker vote has commenced will be out of order, as would a call for a recorded vote after the initial clicker voting has taken place.

The Petition on Market Data Collection seeks to add a provision to allow for controlled market testing to collect data before the Society changes benefits, dues, or membership categories.

The Council received two petitions for consideration: The Petition on Candidate Comment in C&EN and the Petition on International Chemical Sciences Chapters Funds.

If you have any questions and/or comments about the above actions, please contact me or one of your other councilors. You may contact me by email (bmoriarty@nalco.com).

BARBARA MORIARTY

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## THE UN-COMFORT ZONE

with Robert Wilson

"Good Stuff Also Comes in Threes"

A few years ago I was surfing the internet on a Friday afternoon when I discovered a contest asking amateurs to make TV commercials for a famous ketchup brand. The prize was several thousand dollars and your commercial would actually run on television. Instantly I had an idea for a romantic comedy in which ketchup brought two young lovers together...

Psychologist and author Gay Hendricks says that when we expand in love we also expand in creativity and success -- the three rise together. I've certainly experienced that, and for me, romantic love might just be the most important motivator of all. Bring it on!

To read the entire article go  
<http://www.jumpstartyourmeeting.com/articles/TUZ/41-goodthing-scome.shtml>

## JUNE HISTORICAL EVENTS IN CHEMISTRY

- June 2, 1787** Nils G. Sefstrom, one of the discoverers of vanadium, was born.
- June 3, 1960** Robert B. Woodward synthesized chlorophyll on this date.
- June 5, 1951** The first paper on gas-chromatography (GC), "Gas-liquid partition chromatography: the separation and micro-estimation of volatile fatty acids from formic acid to dodecanoic acid," by A. T. James and A. J. P. Martin was received on this date in 1951 and was published in *Biochem. J.* 1953, 50, 679-690.
- June 8, 1916** Francis H. C. Crick, a researcher on the double helix structure of the deoxyribonucleic acid (DNA) molecule, was born. He shared the Nobel Prize in Physiology or Medicine with James D. Watson and M. H. F. Wilkins for their discoveries concerning the molecular structure of nuclear acids and its significance for information transfer in living material.
- June 9, 1862** Herbert B. Baker, a researcher on the effect of water on chemical change and an authority on desiccating and poison gases, was born.
- June 14, 1862** Johann Ulrich Nef, who discovered the valence of carbon and did research on free radicals and transition state in organic reactions, was born. He is known as "Father of Physical Organic Chemistry".
- June 15, 1755** Antoine François de Fourcroy, who developed chemical nomenclature with Lavoisier and Berthollet, was born. He described salts such as calcium chloride.
- June 22, 1903** Harry Julius Emeléus, a researcher in inorganic chemistry and fluorine chemistry, was born.
- June 25, 1812** Hermann von Fehling, who discovered Fehling's solution as an oxidizing agent and as an analytical reagent for aldehydes and sugars, was born.
- June 28, 1873** Alexis Carrel, awarded the Nobel Prize in Physiology or Medicine in recognition of his work on vascular suture and the transplantation of blood-vessels and organs, was born. He also did research on suturing blood vessels in organ transplants.
- June 28, 1906** Maria Goeppert Mayer, who developed the shell model of the nucleus and did research in isotopes effect, was born. She shared the Nobel Prize in Physics in 1963 with J. H. D. Jensen for discoveries concerning nuclear shell structure and with Eugene Paul Wigner for his contributions to the theory of the atomic nucleus and the elementary particles, particularly through the discovery and application of fundamental symmetry principles.
- June 30, 1926** Paul Berg, a researcher in recombinant deoxyribonucleic acid (DNA), was born. He shared the Nobel Prize in Chemistry in 1980 for his fundamental studies of the biochemistry of nucleic acids, with particular regard to recombinant-DNA, with Walter Gilbert and Frederick Sanger for their contributions concerning the determination of base sequences in nucleic acids.

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Additional historical events can be found at Dr. May's website, <http://faculty.cua.edu/may/Chemistrycalendar.htm>

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### ADVERTISING INDEX

#### POP TOP RINGS COLLECTION

Instead of throwing away those pop top rings from your pop cans, please bring them to the dinner meeting so we can donate them to a program at Ronald McDonald House.

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Mass-Vac, Inc.	4	978-667-2393	<a href="http://www.massvac.com">www.massvac.com</a>
HNC Products Co.	5	217-935-6845	
Northup RTS	6	847-579-0049	<a href="http://www.toxconsultants.com">www.toxconsultants.com</a>

## CALENDAR

**June 5-9:** Central ACS Regional Meeting (CERMACS), Dearborn, MI. For information, go to [www.acs.org/meetings/regional](http://www.acs.org/meetings/regional).

**June 14:** Public lecture at the Argonne National Laboratory on solar energy. For more information about the series and to register for this event, please visit [www.anl.gov/community/outloud](http://www.anl.gov/community/outloud) or contact Eleanor Taylor (etaylor@anl.gov).

**June 18-20:** 16th Annual Green Chemistry & Engineering Conference, Washington, DC. For further information, go to [www.acs.org/gci](http://www.acs.org/gci)

**June 21:** Chicago Section ACS Distinguished Service Award and 50 & 60-year members honored. **See details in this issue.**

**July 15:** The Chemistry Division of the Special Libraries Association (SLA) will host two professional development courses at McCormick Place's Lakeside Center in Chicago. These courses cover skills in chemical information sources and advanced chemical structure searching. To sign up, register at <http://www.sla.org/content/Events/conference/ac2012/reg/index.cfm>. There is a special rebate for ACS members. Cost fee is \$199. Please contact Ted Baldwin at Ted.Baldwin@uc.edu or 513-556-4211 for assistance. Full course descriptions are at <http://chemistry.sla.org/conferences/2012meeting/>.

**August 10-19:** 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>

**August 19-23:** 244th ACS National Meeting & Exposition, Philadelphia, Pennsylvania

**September 20:** Chicago Section ACS Meeting at Benedictine University in Lisle. This is a Thursday meeting.

**October 21-27:** National Chemistry Week (NCW); NCW is 25 years old.

**October 24-27:** Midwest ACS Regional Meeting (MWRM), Omaha, NE. For information, go to [www.acs.org/meetings/regional](http://www.acs.org/meetings/regional).

June, 2012 Vol. 99, No. 6 Published by the Chicago Section of The American Chemical Society, Editorial Staff: Cherlyn Bradley, Editor; Fran Kravitz, Associate Editor; Richard Treptow, Proofreader; Avrom Litin, Publication Business Manager. Address: 1400 Renaissance Dr., Suite 312, Park Ridge, Illinois 60068; 847/391-9091. Subscription rates: \$15 per year. Frequency: monthly-September

**The mission of the Chicago Section of the ACS is to encourage the advancement of chemical sciences and their practitioners.**

### JOB CLUB

The next meeting of the Chicago Section **ACS Job Club** will be held on **Thursday, June 21 at 5:00 p.m. at Manzo's Banquets**. 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.

### SPONSORS NEEDED--STATE FAIR CHEMISTRY TENT PROJECT

The Chicago Section, along with the other Illinois Sections of the ACS, is again planning to have an exhibitor's tent at the Illinois State Fair August 10-19. **Last year, over 11,200 people visited our tent.** The tent provides science outreach to the public on chemistry through demos, hands-on activities, literature, and give-aways.

**We are looking for individuals and companies to help sponsor our tent this year.** In return for financial contributions, we will display your company's name at the front of the tent as a sponsor and on CDs with information given to over 350 teachers throughout the state of Illinois. **This is a great way to get your company recognized in the public and to promote chemistry.** If you are interested in making a donation to help keep this worthwhile public outreach project going strong, please call the Section office at (847) 391-9091. Thank You!

FRAN KRAVITZ  
CHERLYN BRADLEY  
Co-Chairs, Ad-Hoc Committee of the  
Illinois Sections of the ACS Cooperative State Fair Project

Whether you spend your summer traveling, going to school, working or playing...  
Have a wonderful summer and see you the Fall with the September Issue!!!  
---Editorial Staff