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**APRIL • 2008** 

# CHICAGO SECTION AMERICAN CHEMICAL SOCIETY

## **Joint Meeting with the Joliet Section**

#### THURSDAY, APRIL 17, 2008

University of St. Francis The Auditorium in the Main Educational Building 500 Wilcox Street Joliet, IL 60435 815-740-3360

#### **DIRECTIONS TO THE MEETING:**

From Chicago: Take I-55 South (Stevenson) to I-80. Go East on I-80 to North Larkin Exit. Go North on Larkin to Glenwood Ave. (fourth traffic light). Turn East (right) on Glenwood Ave. and go to Wilcox. Turn North (left) on Wilcox to the University (500 Wilcox), about 2 blocks.

From Northwest Indiana: Take I-80 to North Larkin Exit, then follow the directions given above.

See detailed maps on the Chicago Section's website.

PARKING: Park anywhere

Signs will be posted inside the building directing you to the lecture.

Note: The Joliet Section does not have a meal or social hour associated with their meetings. Members normally eat at home, at a nearby restaurant (see short list below), or at the University Cafeteria. The Cafeteria opens at 5:00 p.m. and closes at 6:30 p.m. sharp. Those wishing to use the cafeteria should plan to arrive by 5:30.

#### **RESTAURANTS IN THE AREA:**

**Al's Steak House,** 1990 W. Jefferson, Joliet, 815- 725-2388 **La Mex**, 3157 W. Jefferson, Joliet, 815-729-2686

Note: Jefferson is Hwy 52.

#### REGISTRATION

We like those coming to our meeting to register with Gail at the Chicago ACS section office. If there are any last minute changes or if some additional information becomes available, you can then be contacted. This is especially important for those planning on having dinner at the University Cafeteria. You can phone the Section Office 847-647-8405 and leave your name and contact information or simply register by email (chicagoacs@ameritech.net) or via the website (http://ChicagoACS.org).

We are hoping for a good turnout for this meeting, especially from our members in the southern suburbs and Northwest Indiana.

**JOB CLUB** 

5:00 P.M.

#### **IMPORTANT NOTICE**

As you should now know, starting September 2008, primary distribution of The Chemical Bulletin will be an electronic version. We will send you the link to each issue by email (that's why we need your email address). You will have the option to not receive the email notification, and you will still be able to reach each issue through the Section web page. You also will still have the option of receiving a paper copy of The Chemical Bulletin for a small additional fee. More details will be given in The Chemical Bulletin and also at the Chicago Section web www.chicagoacs.org. We would also like to hear about your thoughts and guidance as we make this change; please send comments and questions to: change@mychemist.net.

**GENERAL MEETING** 

7:00 P.M. (SHARP)



**Dr. Li Li Ji,** Department of Kinesiology/Nutritional Science and Aging, University of Wisconsin-Madison

Title: "The Cell Found Fire: The Utility of Free Radicals in Exercise-Induced Adaptations"

**Abstract:** Contraction-induced production of reactive oxygen species (ROS) has been shown to cause oxidative stress to skeletal muscle. However, new research shows that ROS could serve as important chemical agents for

(continued on page 2)

# NOTICE TO ILLINOIS TEACHERS

The Chicago Section ACS is an ISBE provider for professional development units for Illinois teachers. Teachers who register for this month's meeting will have the opportunity to earn up to 3 CPDU's.

(continued from page 1)

cellular adaptation to exercise. This talk will focus on the utility of ROS and related signaling pathway in the regulation of uncoupling proteins, superoxide dismutase and other redox-sensitive gene products during exercise and the biological significance of the adaptation.

Speaker's Educational Background and Research Interests: Dr. Li Li Ji received his B.S. in 1976 from East China Normal University and his M.S. in 1982 and Ph.D. in 1985 from the University of Wisconsin-Madison. He is currently Professor and Chair of the Department of Kinesiology, School of Education, University of Wisconsin-Madison.

Dr. Ji's research areas of expertise include free radical induced oxidative injury with exercise, aging, and related pathological conditions; the role of antioxidants in the prevention of oxidative damage; and regulation of hepatic lipogenic enzymes with diet and exercise.

Oxygen free radicals and antioxidant protection are a central paradigm of Dr. Ji's research. Reactive oxygen intermediates are generated from normal cellular metabolic processes such as mitochondrial respiration or from certain physiological and pathological states. Numerous diseases are now identified to be related to free radical chemistry. The following problems are representative of his research group's interests.

**Exercise:** Strenuous exercise is associated with increased oxygen consumption and free radical production. Tissues actively involved in exercise, such as skeletal muscle, liver and heart, are exposed to an increased oxidative stress. Deficiency of antioxidant nutrients exacerbates the damage, whereas supplementation of various antioxidants and exercise training may offer increased protection.

Heart Post-ischemic Injury: Temporary interruption and restoration of blood flow to the heart can cause biochemical and functional damage to the myocardium. Oxygen free radical may be responsible for this ischemia-reperfusion injury. His research has shown that free radicals are directly involved in the pathogenesis using an open-chest rat heart model. Training and supplementation of antioxidants make the heart more resistant to reperfusion injury, whereas depletion of certain antioxidants, such as glutathione, enhances oxidative damage.

Aging: Aging is proposed to be caused

by free radical reaction throughout the life span. His research group is interested in the specific cellular mechanisms that increase free radical generation during aging and also seek physiological and nutritional strategies that could enhance antioxidant defense and prevent age-related oxidative injury.

#### **FREE T-SHIRTS**

The Hospitality Committee raffles one T-shirt at each monthly dinner meeting. The shirt has **CHICAgO** spelled out using the periodic table. So come to a monthly meeting and maybe you'll win one!

#### DEATH OF PERCY JULIAN JR.

Percy Julian Jr., a pioneering civil rights and liberties attorney, died Sunday, February 24, in Madison, Wisconsin. Some of us might have met Percy during the 100th Anniversary observance for his late father, the great organic chemist, Dr. Percy Julian Sr., in 1998; or might have seen him in the recently released TV movie, "Forgotten Genius", which was shown during Black History Month last year. Percy Jr. was 67.

JIM SHOFFNER



# SCIENCE FAIR JUDGES NEEDED

The Primary Education Committee is seeking ACS members, nonmembers, undergraduates, graduate students and industrial companies who would be interested in being science fair judges and demonstrators for grades Pre-K through 8 in Chicago and in the surrounding suburban area schools and groups. The committee will publish this list and distribute it into area schools and libraries. If you are interested, please send your name, address, phone number with area code, e-mail address and whether you would like to be a science fair judge, demonstrator or both to the Section office at: chicagoacs @ameritech.net or by mail at: Chicago Section, ACS, 7173 N. Austin Ave., Niles, IL 60714. Please make sure to mark the subject line with "Science Fair Judges".

FRAN KRAVITZ PRIMARY EDUCATION COMMITTEE CHAIR

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# "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 science literacy. Please cut it out and pass it on to your children, grandchildren, or elementary school teachers. It is hoped that teachers will incorporate some of the projects in this column into their lesson plans.

#### Soda Can Shakeup

Kids, why does shaking a can of soda make it burst out when you open it? And does tapping on the can stop it from doing this?

Contrary to popular belief, shaking a can of soda does not increase the pressure inside the can. Shaking takes one single pocket of carbon dioxide gas at the top of the can and changes it into thousands of tiny bubbles distributed throughout the entire can. This causes a huge increase in the surface area, so there are more places for the carbon dioxide to bubble out.

In an unshaken can, bubbling out happens at the liquid's surface, but it can also happen anywhere along the inside walls of the can where there is some tiny bump—also called a nucleation site—that can help bubbles to form. For this reason, bottling companies make sure that the inside walls of their cans are as smooth as possible. Otherwise, soda would spray all over the place each time a can is opened.

When a can is shaken and then opened, not only is there a great deal more surface area, but each tiny bubble can act as a nucleation site. This causes a rapid bubbling out of carbon dioxide all throughout the liquid, not just at the top. Voilá - a soda explosion.

Now, does tapping on the top of the can stop it from exploding? The theory is that tapping loosens tiny bubbles stuck on the sides, which are nucleation sites; they float to the top and no longer pose a "soda explosion threat." Ask an adult partner to confirm it (over a sink!): shake a can of soda at room temperature for five seconds, open it, and watch soda spray fizz out. Then shake an identical can of soda at room temperature for 5 seconds, tap it 10 times, open it, and much less soda should squirt out.

But is this really a well-controlled experiment? Aside from tapping vs. not tapping, the time delay between shaking and opening the can may also make a difference. Now have your adult partner shake two identical cans—one in

each hand—for five seconds, set them down and tap just one of them for five seconds. Then open them at the exact same time. Other people report trying this experiment with a variety of sodas for a variety of shaking times and delay times, and they are unable to observe any consistent difference between the tapped can and the control. No, it wasn't "Mythbusters", but this is similar to many of the urban legends that they disprove!

#### References:

Bob Becker in "ChemMatters" at http://www.acs.org/chemmatters, February 2008 issue. Also see http://www.snopes.com/science/sod acan.asp.

Edited by K. A. CARRADO, Argonne National Laboratory

All past "ChemShorts": http://member ship.acs.org/C/Chicago/ChmShort/ki dindex.html.

# YOUR SECTION NEEDS YOUR EMAIL ADDRESS!!

We need your e-mail address in order to better communicate with you. The Chicago Section is investigating ways to reduce the Section budget so more money can be used in member's programs such as education, community outreach, and other program areas. One way is to change the Chemical Bulletin to an electronic version this year. This does not mean there will not be a paper version of the Chemical Bulletin, but the idea is to reduce our printing and mailing costs.

Please send your e-mail address with your name, phone number, and ACS membership number to the Section office at chicagoacs@ameritech.net. If you change your email address, please let us know! We do not share this information with other organizations.

NEXT ISSUE IS
FOR THE
MAY 9
WILLARD GIBBS AWARD
BANQUET AND MEETING

April, 2008 Vol. 95, No. 4. Published by the Chicago Section of The American Chemical Society, Editorial Staff: Cherlyn Bradley, Editor; Fran Kravitz, Associate Editor; Fadwa Al-Taher and Richard Treptow, Proofreaders; Frank Jarzembowski, Publications Business Manager. Address: 7173 North Austin, Niles, Illinois 60714; 847/647-8405. Subscription rates: \$15 per year. Frequency: monthly-September through June.

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# APRIL HISTORICAL EVENTS IN CHEMISTRY

**April 2, 1877** Carl L. Alsberg, a researcher in the chemistry of food, was born.

**April 5, 1827** Joseph Lister, who introduced antiseptics, such as carbolic acid (phenol), was born.

April 6, 1927 Edmond H. Fischer, a researcher on protein phosphorylation as a biological regulatory mechanism, was born. In 1992, he shared the Nobel Prize in Medicine with Edwin G. Krebs for their discoveries concerning reversible protein phosphorylation as a biological regulatory mechanism.

**April 8, 1911** Melvin Calvin, who received the Nobel Prize in Chemistry in 1961 for his research in photosynthesis, was born.

April 10, 1863 Paul Louis Toussaint Héroult, who discovered the electrolytic aluminium process in 1886, was born. Also in 1886, Charles Martin Hall discovered the same process for isolating aluminum, which is called the Hall-Heroult process. In 1900, Héroult invented the electric arc furnace for steel, which replaced some giant smelters for the production of a variety of steels.

**April 11, 1799** Humphry Davy discovered nitrous oxide, laughing gas on this date.

April 12, 1773 Thomas Thompson, who invented the instrument known as Allan's saccharometer, was born. He identified a zeolite mineral named thomsonite and promoted Dalton's atomic theory and Prout's hypthosis in his journal Annals of Philosophy and his book System of Chemistry.

**April 14, 1969** NASA's Nimbus III weather satellite made the first civilian use of nuclear batteries on this day.

**April 16, 1838** Ernest Solvay, who developed the Solvay process for making commercial soda cheaply, was born.

**April 18, 1924** Quantum Chemical incorporated as National Distillery Products Corp.

April 19, 1912 Glenn T. Seaborg, who co-discovered nobelium 50 years ago, was born. He shared the Nobel Prize in Chemistry in 1951 with Edwin M. McMillan. He also co-discovered americium (1944), berkelium (1950), californium (1950), curium (1944), einsteinium (1952), fermium (1953), mendelevium

(1955), plutonium (1940), and element 106 (1974).

**April 21, 1970** The first Earth Day was founded by Sen. Gaylord Nelson, Father of Earth Day and organized by Denis Hayes and celebrated on this day. It is celebrated on April 22.

April 23, 1858 One hundred and fifty years ago, Max K. E. L. Planck was born. In 1900, he introduced the quantum theory and was awarded the Nobel Prize in Physics in 1918 in recognition of the services he rendered to the advancement of Physics by his discovery of energy quanta.

**April 25, 1900** Wolfgang Pauli, who discovered the exclusion principle and received the Nobel Prize in Physics in 1945 for the discovery of the Exclusion Principle, also called the Pauli Principle, was born.

April 26, 1775 Antoine L. Lavoisier reported on this day that heating mercury in air forms red calx, HgO, while the air is reduced in volume and no longer supports combustion. He heated red calx to liberate oxygen.

April 28, 1941 K. Barry Sharpless, who discovered and developed many catalytic oxidation processes for stereoselective oxidation, was born. He shared the Nobel Prize in Chemistry in 2001 with William S. Knowles and Ryoji Noyori for their work on chirally catalyzed hydrogenation reactions

**April 29, 1904** Nashua was incorporated as Nashua Card, Gummed & Coated Paper.

**April 30, 1958** Fifty years ago, Albert Ghiorso, et al., announced the discovery of mendelevium based upon research done at the University of California, Berkeley.

LEOPOLD MAY
The Catholic University of America
Washington, DC

Additional historical events can be found at Dr. May's website, www.faculty.cua.edu/may/Chemistry calendar.htm.

Put your business card here Reach prospective clients by advertising in *The Chemical Bulletin* 

For more information, call the Section office (847) 647-8405 or e-mail at chicagoacs@ameritech.net

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### NEW FOR CHICAGO SECTION'S NATIONAL CHEMISTRY WEEK

Are you interested in sharing your love of chemistry? The Community Affairs Committee needs your help!

We are planning an exciting new program to extend our outreach for National Chemistry Week. We already have a treasure trove of ideas from our *ChemShorts for Kids* series of science activities for children. What we need is your help in assisting or sponsoring someone with activities at your children's or grandchildren's school, your local library, a church or Girl Scout group, etc.

We will write an integrated, applications-oriented activities plan related to the 2008 NCW theme – "Having a Ball with Chemistry". All of the activities will use readily available, consumer-type materials with minimal setup.

Please sign up now to join us in this exciting new program! Send your name and contact information to Irene Cesa, Community Affairs Chair, at icesa@flinnsci.com or contact the Chicago Section Office at chicagoacs@ameritech.net.

We look forward to hearing from you!

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# AMERICAN CHEMICAL SOCIETY CHICAGO SECTION 2008 WILLARD GIBBS MEDAL AWARD PRESENTATION FRIDAY, MAY 9, 2008



You and your guests are cordially invited to attend the 97th presentation of the Josiah Willard Gibbs medal to Professor Carolyn Bertozzi, the T.Z. and Irmgard Chu Distinguished Professor of Chemistry and Professor of Molecular and Cell Biology, University of California, Berkeley, on Friday, May 9, at Carriage Greens Country Club, 8700 Carriage Greens Drive, Darien, IL 60561. A social hour begins at 6 PM. Dinner is served at 7 PM. Dr. Bertozzi's talk will begin at approximately 8:30 pm.

After a social hour with Hors-d'oeuvres and both Champagne Punch and Non-alcoholic Punch, dinner on this special occasion includes Caesar Salad; a choice of Seared Medallions of Beef with Burgundy Reduction Sauce, Broiled Atlantic Salmon with Bearnaise Sauce, or Pasta Primavera; Twice Baked Potato and Whole Baby Green Beans; and Peach Cobbler, as well as Wine.

To reserve your tickets, please call the Chicago Section office at 847-647-8405 or register at http://ChicagoACS.org by Tuesday, May 6 and pay \$45 at the door, or fill out the attached reservation form and mail it with your payment of \$45 by Wednesday, April 30 to the address below. If you have not paid dues to the Local Chicago Section (\$15 per year), the price is \$47. Tables of 10 may be reserved. If you request seating for a group, please include a list of names of the people in your group and their meal choices. Tickets and nametags will be available at the door. No refunds will be made after noon on Tuesday, May 6, 2008.

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. Bertozzi's achievements in and contribution to the science of Chemistry.

| Margaret Stowell<br>Gibbs Arrangem |   | here      |                |                                     |
|------------------------------------|---|-----------|----------------|-------------------------------------|
|                                    |   |           |                |                                     |
| name                               | Affi  | illation  |                |                                     |
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| # tickets for ACS                  | S members & guests(\$45.00/ticket) Nonme  | nembers _ |                | (\$47.00)                           |
|                                    | dents, unemployed members, and retirees (\$22.50/ticket) rs must make student reservations. |           |                |                                     |
| # dinners:                         | Seared Medallions of Beef with Burgundy Reduction Sauc                                      | ce _      |                |                                     |
|                                    | Broiled Atlantic Salmon with Bearnaise Sauce  | =         |                |                                     |
|                                    | Pasta Primavera   | =         |                |                                     |
|                                    | \$ Payable at time of reservation, if reservations and dinner selections with this form.    | ion is ma | de by mail. Pl | ease include a list of your guests' |

Return with payment to: American Chemical Society, Gibbs Reservations 7173 North Austin Ave., Niles, IL 60714

#### ACS SUMMER WORKSHOPS 2008

The ACS Education Division will offer five-day residential "Chemistry in the Community" workshops and three-day residential "Inquiry-based Advanced High School Chemistry" workshops during the summer of 2008. Visit the Education Division web site or go to **Chemistry.org** and click on "education" to learn more about these pro-

fessional development opportunities, costs, and guidelines. Registration now opened.

# 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.

# THE GREEN CHEMISTRY RESOURCE EXCHANGE

The Green Chemistry Resource Exchange is a web-based database hosted by the ACS Green Chemistry Institute. The resource exchange links researchers with green chemistry information, examples, tools and resources. Search the resource exchange with a keyword or select from a list of over 60 search categories at: www.GreenChem Ex.org.

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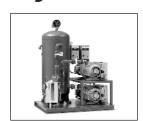
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# A NEED FOR SCIENCE MENTORS

When you think back to your early years, who were your mentors? Kids need mentors. Nowadays we often hear about students losing interest in science as early as grades 4, 6, or 8. Recently, I was a judge at a regional science fair and I was shocked at the lack of understanding of science at the high school level. I even overheard one student saying, "I hate science fairs."

I have been volunteering in outreach programs since I was a postdoc at the National Institutes of Standards and Technology (NIST) and Center for Advanced Research in Biotechnology (CARB). I was involved in a mentorship program for science fairs. I brought in lab supplies and plastic Petri dishes for a student's project. The student was amazed. We take things like Petri dishes for granted, but kids think it is cool. I spoke with the student about their experimental design. This was my first mentoring opportunity.

Since then I've participated in "Take your Kid to Work Day" at the National Cancer Institute; "Kids College" at Kishwaukee College, a one week camp that had the feel of college; "Girls and Women in Science (GWIS)" at Beloit College; Chemistry Day at IIT 2007; and judging a middle school science fair. I volunteered with lota Sigma Pi, an honor society for women, for the last two activities.

When I taught Kids College it was my first experience with 4th and 6th graders. I had never really used a 'time out' before. By the end of the week, I had students giving me a big hug and thank you cards with free coupons for the American Girl store! It was exhausting and rewarding. For GWIS at Beloit College, I was on a panel that explored careers of women in science. I think the idea of GWIS is a great one of bringing young girls to a college campus and exposing them to science for a weekend. Each classroom had a theme. One room was roughly based on the television show, CSI, trying to figure out a murder with science tools.

When young students have the chance to meet professional scientists as science mentors, it has an impact on their lives. Volunteering to be a mentor is a rewarding experience and encourages the future of science in our communities. I encourage everyone to volunteer to be a science mentor.

WANDA K. HARTMANN WKH Chem Consulting

#### **JOB CLUB**

The next meeting of the Chicago Section ACS Job Club will be held on **Thursday, April 17 at 5:00 p.m.** at the University of St. Francis in Joliet. 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 meeting following the Job Club, you can continue your networking activities.

For April, there is no arranged dinner prior to the meeting. However, please call the Section office to indicate that you plan to attend the meeting.

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.

#### **DID YOU KNOW?**

Oxygen is NOT the most prevalent substance in the atmosphere. Nitrogen makes up approximately 78% of the atmosphere while oxygen only makes up 21%



# 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 ioin 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. Whether you interview a current chemist or research an historical chemist on the web, please join us in this stimulating activity.

CO-CHAIRS MARGY LEVENBERG AND SUSAN SHIH

#### **JOIN US AT THE FAIR!**

The Chicago Section, along with the other ACS Illinois Sections, again plans to have a cooperative tent at the Illinois State Fair August 8-17 in Springfield, IL. Our joint-sections' tent

activities provide information to the public on chemistry with demos, hand-on activities, literature, and give-aways. This fun and worthwhile outreach project gives us a chance to show the positive aspects of chemistry to many Illinois citizens and governmental leaders. Last year, over 10,000 people visited our tent!

We particularly need volunteers to help during the fair. Student affiliates and other student volunteers are welcomed! If you are interested in helping us for a few hours in this fun and worthwhile outreach activity (you do get free admission to the Fair and free parking) — call the Section office at (847) 647-8405.

# 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**.

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.

| 2008 Issue | Deadline     |
|------------|--------------|
|            |              |
| June       | April 25     |
| September  | July 4       |
| October    | August 29    |
| November   | September 26 |
| December   | October 10   |



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# DO NOT DELAY

CHICAGO SECTION, AMERICAN CHEMICAL SOCIETY THE CHEMICAL BULLETIN 7173 NORTH AUSTIN NILES, ILLINOIS 60714

**CALENDAR** 

**April 6-10:** The 235th ACS National Meeting & Exposition, New Orleans, LA. Website:**acs.org**.

**April 6-10:** The 2008 AIChE Spring Meeting, New Orleans, LA. Website: www/aiche.org/Conferences/ SpringMeeting/index.aspx.

**April 17:** Chicago Section's joint meeting with the Joliet Section. This is a Thursday meeting. **See details in this issue.** 

May 6-9: The Consumer Specialty Product Association (CSPA) Mid-Year Meeting, Chicago, IL. Contact Ann Wheeler at (202) 872-8110; email: awheeler@cspa.org. Website: www.cspa.org.

**May 9:** Chicago Section's Gibbs Award Banquet. Note change in date. See reservation coupon in this issue.

June 18 - July 2: Science History Tour to France. Contact Lee Marek at Lmarek@aol.com or Yvonne Twomey at ytwomey@mindspring.com.

**June 20:** Chicago Section's luncheon meeting. The Distinguished Service Award will be presented and the 50-year members will be honored.

**June 24-26:** 12th Annual Green Chemistry & Engineering Conference, Washington, D.C. For more information, call (202) 872-6102, email: **greenchem2008@acs.org.** Website: **www.gcande.org.** 

July 7-11: 60th Anniversary Inter/Micro Conference focused on applied microscopy, hosted by the McCrone Research Institute will be held in Chicago at the Millennium Knickerbocker Hotel. For information, contact Lauren Logan at intermicro@mcri.org or go to www.mcri.org.

July 27-31: 20th Biennial Conference on Chemical Education, Bloomington, IN. For further information, email BCCE2008@indiana.edu. Website: bcce2008indiana.edu.

**August 8-17:** ACS Illinois Sections' cooperative tent project at the Illinois State Fair. For further information on this fun and worthwhile outreach activity, contact the section office at (847) 647-8405.

**August 17-21:** The 236th ACS National Meeting & Exposition, Philadelphia, PA. Website: **acs.org**.

**September 19:** Chicago Section's Education Night jointly with Loyola University.

**October 13:** The International Coatings Expo: ICE 2008, Chicago, IL, For information, call (610) 940-0777. Website: **www.coatingstech.org**.

October 24: Basolo Medalist Lecture at Northwestern University and dinner at Zhivago's.

**November 19:** Stieglitz Lecture and Chicago Section Dinner Meeting jointly with University of Chicago.

**December 12:** Chicago Section's Holiday Party jointly with the Chemists' Club and Iota Sigma Pi.

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