

The Chemical Bulletin

<http://chicagoacs.org>

DECEMBER • 2011

CHICAGO SECTION AMERICAN CHEMICAL SOCIETY Joint Meeting with CHICAGO CHEMISTS' CLUB and IOTA SIGMA Pi HOLIDAY PARTY/MEETING

FRIDAY, DECEMBER 9, 2011

Holiday Inn Willowbrook
7800 Kingery Highway (Route 83)
Willowbrook, IL
630-325-6400

DIRECTIONS TO THE MEETING

Take Interstate 55 (Stevenson Expressway) south to IL-83 (Kingery Rd) exit. Keep right at the fork in the ramp and merge onto IL-83 north. Proceed to the Holiday Inn. It is on the east side of Route 83, just 0.5 block north of Interstate 55.

PARKING: Free

This is the Chicago Section ACS/Chicago Chemists' Club/Iota Sigma Pi Annual Holiday party and meeting.

Come join in the celebration with all your fellow chemists and friends. In addition to our technical program, Santa will be bringing gifts! ENJOY!

We are asking you to also bring a gift!!! Please bring some canned food or other non-perishable food items in non-glass containers or toys that we can donate to a charity for needy people in the Chicagoland area. See article on page 2. Let's share our good fortune in the spirit of the season. THANK YOU!!

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

SOCIAL HOUR 6:00- 7:00 P.M.

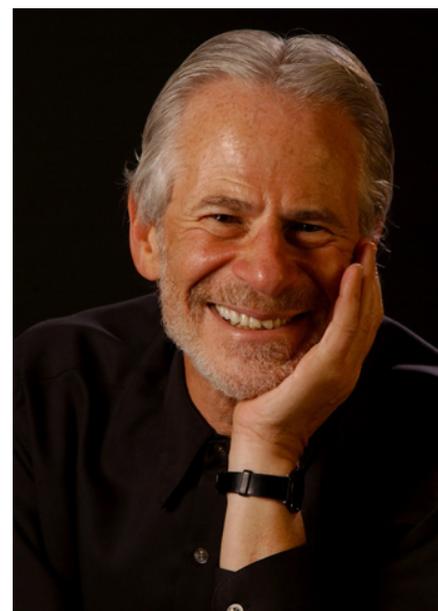
Cash Bar
Complimentary Hors D'oeuvres

DINNER 7:00 P.M.

CHANGING OF THE GAVEL 8:10 P.M.
Outgoing Chair Keith Kostecka will turn over the gavel to the incoming 2012 Chair, Avrom Litin.

GENERAL MEETING 8:15 P.M.

After-Dinner Speaker



Dr. Sidney Perkowitz, Candler Professor of Physics Emeritus, Emory University, Atlanta, GA

Talk: "Hollywood Science: Good for Hollywood, Bad for Science?"

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Abstract: Like it or not, most science depicted in Hollywood's feature films is in the form of science fiction. This won't change any time soon because these films are huge moneymakers, which however also makes them also a powerful cultural force. They reach millions as they depict scientific ideas from cloning to space science, whether correctly or incorrectly; reflect contemporary issues of science and society; inspire young people to become scientists; and provide defining images – or stereotypes – for the majority of people who've never met a real scientist.

Many scientists feel that screen depictions of science and scientists are badly distorted, but there's generally a nugget of real science. In this talk based on my book *Hollywood Science* [1], I'll present film clips showing good and bad screen treatments of science and scientists, and discuss ways to improve how science is treated in film including using even bad movie science to convey the real thing.

[1] Sidney Perkowitz, *Hollywood Science: Movies, Science, and the End of the World* (Columbia University Press, New York, 2010)

Biography: Sidney Perkowitz was born in New York and earned his physics doctorate at the University of Pennsylvania. After a successful research career at Emory University that produced over 100 scientific papers and books, he turned to presenting science for non-scientists in the early 1990s through the popular science books *Empire of Light*, *Universal Foam*, *Digital People*, *Hollywood Science*, and his latest, *Slow Light*; numerous newspaper and magazine articles; theatrical works; and a screenplay.

He has appeared on CNN, NPR, the BBC and other outlets. He frequently lectures about science in film and other topics in science and culture at venues like NASA, Microsoft, the High Museum of Art and the American Museum of Natural History.

Sidney blogs for the National Academy of Sciences at <http://www.scienceandentertainmentexchange.org/blog>. He is a Fellow of the American Association for the Advancement of Science. His website is <http://sidneyperkowitz.net/>.

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

DINNER INFORMATION

Dinner reservations are required and should be received in the Section Office via **phone** (847-647-8405), **email** (chicagoacs@ameritech.net) or **website** (<http://chicagoacs.org>) by noon on Tuesday, December 6.

The cost is \$35 to Section members who have paid their local section dues, members' families, and visiting ACS members. The cost to members who have NOT paid their local section dues and to non-Section members 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.**

Holiday Menu: Fresh Fruit Cup, Tomato Florentine Soup, Tossed garden salad with choice of dressing; Entrée choices: Vegetarian rolled Verdi Ricotta, Baked Salmon with cucumber/dill sauce, or Filet Mignon with mushroom cap and Béarnaise sauce on the side; Baked potato and Prince Albert blend of wax beans, green beans and carrots; Breads and butter; Apple Cobbler; Beverage

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 CPDU's.

FOOD AND TOY DRIVE

We will be collecting nonperishable food items (no glass containers) for charity at the December Holiday Party again. The food is donated to the local Loaves and Fishes Community Pantry for distribution. Loaves & Fishes Community Pantry is a community-based, non-profit organization established to provide food and personal care essentials to residents in need.

We will also continue our toy drive to collect children's toys for toddlers to 12 year olds. The toys will be donated to a local Silent Santa program.

Please open your heart to both of these programs and bring a nonperishable food item and a new toy to the holiday party.

ARE YOU UNEMPLOYED?

Are you seeking a better job? Are you looking to improve your career? The place to start is with your resume. That is the single tool that will get you an interview, illustrate your professional strengths, and show how you can improve your importance to your employer.

You can get help improving your resume through the Career Consultants. These are volunteers trained by the ACS to assist its members with writing resumes, contacting prospective employers, and providing tips on interviews.

There are several Career Consultants in the Chicago Section who are willing to meet with you and help improve your resume. Simply call the Section office at 847-391-9091 and set up an appointment. Fifteen to thirty-minute sessions will be arranged at our monthly meetings. Should you require more time, arrangements can be made with your consultant to continue discussions by telephone, by e-mail or by additional face-to-face sessions. You also can attend the Section's Job Club where you can network with other people having similar concerns.

We are here to help. All you need to do is pick up the telephone and bring copies of your resume to the next monthly meeting.

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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 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.

Magical Microfiber

Kids, do you know why "microfiber" is so good at picking up dust and water? Believe it or not, chemistry is behind the magic. Here are some tests to determine the quality of a microfiber towel or cloth. All you need are some different brands of microfiber cleaning cloths, a paper towel, and a rag made from a cotton t-shirt.

The first test is touch. How does the microfiber cloth feel when touched? Soft? Does the material "grab" the imperfections on your skin when you run it over the palm of your hand? When this happens it means the cloth is made from "split" microfiber. The tip of a split microfiber looks like an asterisk under a microscope. The open spaces in the split microfiber allow it to pick up and hold dirt and liquid. If you don't feel a "grab" from the towel it may not be split, and if it's not split it won't be any more effective as a cleaning towel than a cotton rag.

Another test is absorbency. Pour a little water on a flat, smooth surface and take a folded microfiber cloth and slowly slide it towards the puddle. Observe as the cloth contacts the water. Does it suck the water up like a vacuum? Does it push the water away? Is it somewhere in between? Does the water quickly wick through the cloth? You want a cloth that sucks the water up like a vacuum and wicks throughout the cloth. Compare the behavior to the paper towel and the piece of cotton cloth.

Synthetic microfibers are exceptionally strong yet have very thin fibers (three times thinner than cotton fibers). Microfibers are specialized polymers – long chain-like molecules made of repeating units strung like beads on a thread. They wick moisture away by absorbing up to seven times their weight in water. Cotton soaks water by absorbing it, but microfibers pull water away to a drier part of the fabric.

Reference:

<http://www.microfiberwholesale.com/Determining-the-quality-of-a-microfiber-towel.html>

and

Roberta Baxter, *ChemMatters*, American Chemical Society, October 2011, page 4, "Polymers: The amazing properties of microfibers"

Submitted by DR. KATHLEEN CARRADO GREGAR

To view all past "ChemShorts for Kids," go to:

<http://www.chicagoacs.net/ChmShort/kidindex.html>

RECEIVE TRAVEL MONEY TO PARTICIPATE IN AN ACS NATIONAL OR REGIONAL MEETING

Apply for a CIBA/YCC Young Scientist Travel Award for attendance to an ACS national or regional meeting held in 2012. Young scientists under the age of 35 who have postdoctoral appointments or are within the first seven years of their professional career are eligible. Applicants have the opportunity to receive \$500 to attend an ACS meetings and network with other young chemists, professionals and chemist elite. Online applications for the Spring 2012 CIBA/YCC Travel Award opened Aug. 1. Don't miss out on this great opportunity. For more information, please visit the Web page or contact ycc.exec@gmail.com.

CHICAGO SECTION'S ELECTION RESULTS

The ACS Chicago Section's Tellers Committee met on Friday, October 21 to count the ballots for the 2011 election. There were 358 ballots received as of noon on that day. Of these, 357 ballots were counted and one ballot was invalid. The results are as follows:

Chair-Elect: Michael Koehler

Vice-Chair: Barbara Moriarty

Secretary: Theresa Collins

Treasurer: Mark Kaiser

Directors: Amber Arzadon
Irene Cesa
Kenneth Fivizzani
Russell Johnson
Margaret Levenberg
Milton Levenberg
Peter Lykos
Susan Shih

Councilors: Charles Cannon
Herbert Golinkin
Susan Shih

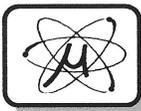
Alternate

Councilors: Kathryn Leach

Our 2012 Chair, Avrom Litin, as well as the other officers, directors, councilors, and alternate councilors listed above take office January 2012.

Thanks to all the candidates for participating and congratulations to the winners!

Tell us what you think about middleschoolchemistry.com! ACS is seeking feedback on its newly launched teaching resource for middle school chemistry. Please take this 2-minute survey to share your thoughts: www.middleschoolchemistry.com/feedback.



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CHICAGO CHEMISTS' CLUB

Club History

The Chicago Chemists' Club was chartered December 30, 1919 as a social organization to promote good fellowship among Chicago-area chemists. Through the years, the Club roster has included many prominent members of the chemical profession.

Social Events

The social calendar of the Chemists' Club includes ten dinner meetings per year where spouses and/or guests are welcome to attend. Meetings are usually on the second Wednesday of the month at various restaurants in the Chicago area featuring a variety of cuisines. We present timely, stimulating speakers in fields such as science, politics, medicine, etc., and also folk-singers, artisans and world travelers. In the spring the Club has a dinner-theater party. Each year, jointly with the ACS Chicago Section's Education Meeting, we present the Bernard Schaar Memorial Award to the first-place winner of the ACS high-school chemistry examination. The Club is also a co-sponsor of the ACS Chicago Section's annual Holiday Party in December.

Membership Benefits

Membership dues are \$25 per year. As a non-profit organization, the Club returns a portion of these dues to its members in the form of dinner price reductions.

Joining the Club

Membership is open to chemists, chemical engineers and allied scientists.

IOTA SIGMA PI

Iota Sigma Pi is a national honor society for women in chemistry. Its major objectives are:

- to promote interest in chemistry among women students
- to foster mutual advancement in academic, business, and social life
- to stimulate personal accomplishment in chemical fields

It was founded in 1902 and was organized on a nation-wide basis in 1916. Over 10,000 members have been initiated into this organization. More than 40 local chapters have been established in various colleges, universities, and metropolitan areas. The Aurum Iodide chapter in Chicago was established in 1939.

Iota Sigma Pi serves to promote the advancement of women in chemistry by granting recognition to women who have demonstrated superior scholastic achievement and high professional competence by election into the honor society.

PUBLIC AFFAIRS COLUMN

The 50th Anniversary of the House Science Committee – “A History of the Committee on Science and Technology”

I was surprised about a year ago to discover a published 50th Anniversary report of this very important U.S. congressional committee. The current House of Representative (HR) represents our 112th Congress. The majority party of the House changed from democratic to republican during the midterm last November. There is a general understanding that there is a much greater partisan nature in the congress than there was some fifty year ago. My reason for choosing this time has to do with the fact that I am writing about the establishment of the Committee which took place in 1958, about one year after the Russians launched Sputnik.

The Sputnik event was a true landmark and perhaps for the first time woke us up to what the future of science & technology in this country might be and ought to be. There was an unsaid belief that because the European nations underwent much-more direct and extensive destruction in World War II than we did, they could not get as much involved as Americans in certain aspects of R&D. The Russians woke us up to the fact that we should not take that premise too literally. It also made us aware and challenged all of us regarding what we might have to do to keep up and maintain our status as one of the leaders of the world.

Of course, like all the various legislative units of Congress, all are partisan, depending on who controls the House or Senate, and in November 2010, the off-year elections brought about changes in congress with the HR Committee on Science and Technology becoming Republican in leadership. The new chair of the Committee on Science became Rep. Ralph Hall (R-4th, Texas). As has happened several times over the years, the name of the committee was modified again. It is now the Committee on Science, Space, and Technology. Other titles by which it has been recognized are as follows:

The House Titles of the Committee:

Committee on Science and Astronautics	-----	85th (1957 – 1959) – 92nd (1971-1973)
Committee on Science and Technology	-----	93rd (1973 – 1975) – 99th (1985-1987)
Committee on Science, Space and Technology	-----	100th (1987 – 1989) – 103rd (1993-1995)
Committee on Science	-----	104th (1995-1997) – 105th (1997-1999)
Committee on Science and Technology	-----	110th (2007 – 2009) – 111th(2010-)
Committee on Science, Space and Technology	-----	112th (2011-)

As you can see, sometimes the titles go back and forth, seemingly with a change in chairs and party. So far as I can tell there has been very little change in committee jurisdiction or authority with a name change. If you wish to read more, go to the reference link:

http://archives.democrats.science.house.gov/docs/Committee_History_50years.pdf

JIM SHOFFNER

Co-Chair, Public Affairs Committee

QUASICRYSTALS ONCE THOUGHT IMPOSSIBLE: NOBEL PRIZE IN CHEMISTRY, 2011

Quasicrystals that were supposed not to exist were discovered by Daniel Shechtman of the Technion Institute of Haifa, Israel. Examining the electron diffraction pattern of a rapidly solidified alloy of aluminum and manganese on April 8, 1982, he found that the atoms were not packed in symmetrical patterns that were repeated periodically in the crystal as was found with crystals previously. He had prepared the first quasicrystal.

Aperiodic mosaics that are found in medieval Islamic mosaics of the Alhambra Palace in Spain and the Darb-I-Imam Shrine in Iran help to understand the appearance of quasicrystals at the atomic level. The patterns are regular but never repeat themselves.

Because of Shechtman's defense of this very controversial discovery, he was asked to leave his research group. As more examples of quasicrystals were found in the laboratory and in mineral samples from a Russian river, the concept of quasicrystals was accepted leading to awarding of the 2011 Nobel Prize in Chemistry to Daniel Shechtman for the discovery of quasicrystals. Who said that there is nothing new under the sun?

LEOPOLD MAY

The Catholic University of America
Washington, DC

SOCIAL MEDIA FOR THE CHICAGO SECTION

As a way to disseminate more information and communicate more effectively with our members, I've created accounts for the Chicago Section ACS on Facebook, Twitter, and the ACS Network. Please follow us on:

- Facebook (like us at <http://www.facebook.com/pages/American-Chemical-Society-Chicago-Section/226772460669486>)

- Twitter (follow us at <http://twitter.com/#!/ChicagoACS>)

- ACS Network (join us at <https://communities.acs.org/groups/chicago-section>)

We can announce meetings and other events, scholarships/grants available to members, volunteer requests...the list goes on!

KATIE LEACH

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For information on advertising, call 847-391-9091
or email chicagoacs@ameritech.net

THE UN-COMFORT ZONE

with Robert Wilson

What's Holding You Back?

I noticed the training wheels on my son's bike were no longer touching the ground. He was riding without them. "Let's take those off," I said.

"No Daddy, I'm not ready."

He couldn't see what I saw -- that he was already riding without them. He was like a circus elephant tied to a stake in the ground. That elephant is strong enough to push over a tree, yet because she was tied to a stake as a baby - when she wasn't strong enough to pull it up - she continues to believe it can't be done... (to read the entire article click here): http://www.jumpstartyourmeeting.com/articles/TUZ/52-Whats_Holding_You_Back.shtml

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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.

2010 NOBEL LAUREATE IN CHEMISTRY TO SPEAK AT THE HOLIDAY FUNDRAISER AND PARTY OF THE JAPAN AMERICA SOCIETY OF CHICAGO

The Japan America Society of Chicago will have its 25th Annual Holiday Fundraiser and Bonkensai (year-end party) on **Thursday, December 15, 2011** from 5:30 - 9:30 p.m. It will be at the Union League Club of Chicago, 65 W. Jackson Blvd., Chicago, IL 60604.

There will be a special presentation by Dr. Ei-ichi Negishi, the Herbert C. Brown Distinguished Professor of Chemistry at Purdue University and the recipient of the 2010 Nobel Prize in Chemistry. His talk is entitled: "Transition Metal Catalysis for Saving Our Society in the 21st Century"

There will be a Silent Auction & Cocktail Reception from 5:30-7:30 p.m. in the Crystal Room (5th Floor) followed immediately by a festive banquet until 9:30 p.m. in the Main Dining Room (6th Floor).

For further information about this event and to make reservations by December 12, call (312) 263-3049, or go to the announcement at: <http://www.jaschicago.org/en/events/Default.aspx?eventid=219>

Established in 1930, The Japan America Society of Chicago creates and promotes Japanese and American friendships through business, social, educational and cultural activities. It is the only organization in Chicago that touches all of these areas in American and Japanese relationships.

<http://www.jaschicago.org/>

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THE CHEMICAL BULLETIN ADVERTISING RATE SCHEDULE

The official newsletter of the Chicago Section American Chemical Society, *The Chemical Bulletin*, publishes news and information of interest to the Section's 4,600 members, who are professional chemists and others in related professions in industry, academia and government throughout greater Chicago.

SIZE	DIMENSIONS	RATE
Full Page	7.5" wide x 10" depth	\$700
2/3 Page (2 columns)	4.917" wide x 10" depth	\$530
1/2 Page	3.75" wide x 10" depth	\$500
1/3 Page (1 column)	2.333" wide x 10" depth	\$360
1/2 Column	2.333" wide x 5" depth	\$190
Business Card	3.5" wide x 2" depth	\$95

We accept ads sent in jpg, tif, PhotoShop, and In-Design formats. For more information, contact chicagoacs@ameritech.net or call 847-391-9091.

SUBSCRIBE TO 2011-2012 CHEMMATTERS!

Need to make chemistry concepts more relevant to your students? Subscribe or renew your subscription to the award-winning magazine for high school chemistry students, featuring articles on creative applications of chemistry, real-life mysteries solved through chemistry, and the latest news on the chemistry of consumer products. Each issue includes free a Teacher's Guide containing background information, follow-up hands-on activities, classroom demonstrations, and other resources to facilitate student comprehension.

Go to: http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PPSUPERARTICLE&nodeid=1497&use_sec=false&sec_urlvar=region1&uid=ecf01452-8cf8-42ca-9be7-352a63746019

DECEMBER HISTORICAL EVENTS IN CHEMISTRY

- December 2, 1942** Enrico Fermi produced the first controlled, self-sustained nuclear chain reaction at the University of Chicago.
- December 3, 1886** Karl Manne Georg Siegbahn, a researcher on x-ray spectroscopy, was born. In 1924, he received the Nobel Prize in Physics for his discoveries and researching the field of X-ray spectroscopy.
- December 6, 1836** Charles F. Chandler, a researcher in sugar, petroleum and illuminating gas industries and a founder of the ACS, was born.
- December 6, 1863** Charles M. Hall, who discovered a method of extracting aluminum electrolytically from bauxite in his garage in 1886, was born. Paul Louis Toussaint Héroult discovered the same process for isolating aluminum, which is called the Hall-Héroult process, was born.
- December 7, 1810** Theodor Schwann, who named and investigated pepsin, was born. He coined the word metabolism; discovered the striated muscle of the upper esophagus and the myelin sheath of peripheral axons, called Schwann cells. He is also known as the founder of modern histology.
- December 9, 1742** Karl W. Scheele, who discovered chlorine in 1774, phosphorus from bone ash, and the action of light on silver salts, was born. He also synthesized organic acids.
- December 13, 1938** Casein fiber was patented.
- December 14, 1900** Max Planck introduced the hypothesis of light as quantized energy packets.
- December 15, 1863** A. D. Little, Inc. was founded as a corporation for industrial research and control.
- December 17, 1938** Discovery of neutron-induced nuclear fission of uranium was made by Otto Hahn and Fritz Strassmann.
- December 25, 1761** William Gregor, who discovered titanium in 1791, was born.
- December 26, 1838** Clemens A. Winkler, discoverer of germanium, was born.
- December 30, 1913** William David Coolidge was issued a U.S. Patent for ductile tungsten, used as incandescent bulb filaments.

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>

NEW JOURNALS: ACS SYNTHETIC BIOLOGY AND ACS MACRO LETTERS

ACS Publications has launched two new journals, with first articles published online in the fall 2011, and first full issues appearing in January 2012:

ACS Synthetic Biology will define the field of synthetic biology by publishing original results in cutting-edge molecular, systems, and synthetic research. Led by Editor-in-Chief Christopher A. Voigt of MIT, the journal will publish research that demonstrates integrative, molecular approaches enabling us to better understand the organization and function of cells, tissues, and organisms in systems. Moreover, articles will demonstrate the application of synthetic biology to manipulate these systems.

Offering the fastest time to publication in polymer science, *ACS Macro Letters* will report major advances in all areas of contemporary soft matter science in which macromolecules play a key role, including nanotechnology, self-assembly, supramolecular chemistry, biomaterials, energy generation and storage, and renewable/sustainable materials. Complementing the comprehensive full articles published in *Macromolecules*, *ACS Macro Letters* will be led by Editor Timothy P. Lodge of the University of Minnesota, who will also be Editor of *Macromolecules*. Stuart J. Rowan of Case Western Reserve University will serve as Deputy Editor for the new journal.



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HNC Products Co.	6	217-935-6845	
Northup RTS	8	847-579-0049	www.toxconsultants.com

CALENDAR

December 9: The Chicago Section's holiday party and meeting, Holiday Inn Willowbrook, 7800 Kingery Highway (Route 83), Willowbrook, IL. See details in this issue.

December 15: 25th Annual Holiday Fundraiser and Bonenkai of the Japan America Society of Chicago, 5:30 p.m. – 9:30 p.m.; Union League Club of Chicago, 65 W. Jackson Blvd., Chicago, IL 60604. The speaker will be Dr. Ei-ichi Negishi, Purdue University, the 2010 Nobel Laureate in Chemistry. For further information, go to article in this issue or go to <http://www.jaschicago.org/en/events/Default.aspx?eventid=219>.

January 26, 2012: Chicago Section ACS Dinner Meeting held jointly with AIChE. This is a Thursday meeting.

February 16: Chicago Section ACS Dinner Meeting. This is a Thursday meeting.

February 25: DuPage Area Engineers Week Expo 2011 will be held at the Daniel F. and Ada L. Rice Campus of the Illinois Institute of Technology, 201 East Loop Drive in Wheaton from 11:00 a.m. to 3:30 p.m. For further information, visit the website www.dupageweek.iit.edu.

March 11-15: Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy (Pittcon 2012), Orange County Convention Center, Orlando, FL. For additional information, visit the Pittcon website at <http://www.pittcon.org/>.

March 16: Chicago Section ACS Public Affairs Dinner Meeting.

March 25-29: 243rd ACS National Meeting & Exposition, San Diego, California

April 19: Chicago Section ACS Dinner Meeting. This is a Thursday meeting.

May 18: Chicago Section ACS Gibbs Award Banquet and Lecture.

June 18-20: 16th Annual Green Chemistry & Engineering Conference, Washington, DC. For further information, go to <http://acswebcontent.acs.org/gcande/>

June 21: Chicago Section ACS Distinguished Service Award and 50 & 60-year members honored.

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

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JOB CLUB

The next meeting of the Chicago Section ACS Job Club will be held on **Friday, December 9 at 5:30 p.m. at Holiday Inn Willowbrook**. 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 party/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.

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Have a Happy and Safe Holiday Season