

The Chemical Bulletin

<http://chicagoacs.org>

JUNE • 2013

CHICAGO SECTION AMERICAN CHEMICAL SOCIETY Monthly Meeting Thursday, June 27, 2013

Teibel's Restaurant
1775 US Hwy 41
(at the corner of US Hwy 41 and US Hwy 30)
Scherverville, IN 46375
219-865-2000

DIRECTIONS TO THE MEETING
See page 2

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

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

DINNER 6:30 P.M.
Menu and other information are 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 2013 DISTINGUISHED SERVICE AWARD to Milt Levenberg (see page 4)

AFTER-DINNER SPEAKER



Dr. Andy Jorgensen, Associate Professor of Chemistry & Environmental Sciences, Director of General Chemistry, University of Toledo; Senior Fellow, National Council for Science and the Environment

Topic: Global Climate Change: What Is It? How Will It Affect Us? Can We Reduce the Impact By Our Actions?

Abstract: What do you think about the weather of the past twelve months? Was it similar to when you were a child? A young adult? Has it changed significantly? Do you think our climate is changing? Come participate in this award-winning presentation on climate change and its possible causes, a very intense topic in our country these days. It finds its way into political, business and social conversations, often with considerable disagreement among participants. This presentation will give background information about the phenomenon and the methods which have been used to characterize these changes, using authoritative sources to document the facts. The human dimension of the problem will be emphasized and the possible consequences of various scenarios explored. We will then consider possible solutions to the problem that can be characterized as mitigation and adaptation strategies. Participants will be invited to share their views by using personal response devices. Questions and comments will be encouraged.

Biography: Dr. Jorgensen spent a sabbatical leave as Senior Fellow at the National Council for Science and the Environment (NCSE) in 2008-9. His primary work on this leave was the development of climate change curricular materials in collaboration with other faculty from NCSE's Council of Environmental Deans and Directors. At Toledo he directs the introductory chemistry program which serves over 1,800 students per term. He also works on innovative educational techniques

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including online education and student response systems. He previously served as an assistant vice president for academic affairs at the university.

He earned a Ph.D. in Physical Chemistry from the University of Illinois at Chicago and a B.S. in Chemistry from Quincy University. He completed a postdoctoral appointment in chemical education at the University of Illinois at Urbana-Champaign. He has conducted research in the area of the environmental impact of synthetic fuels while working at Argonne National Laboratory.

In 2013 he received an ACS Committee on Environmental Improvement award for his work on Sustainability in Chemical Education. He has been awarded a University of Toledo Outstanding Teaching Award and was twice appointed as a Master Teacher in the College of Arts and Sciences. He is a member of the American Chemical Society's (ACS) Committee on Education and serves as the councilor of the Toledo Local Section of ACS. He was selected as a 2012 ACS Fellow.

His work on climate change education has been supported by NASA and NSF.

DIRECTIONS TO THE MEETING

From Chicago

Take the Kennedy or Edens Expressway (I-90/94) south/east. Follow signs for Interstate 90 Skyway east/Indiana toll road. Take exit 5 for US-41/Calumet Ave. Turn left onto US 41 S/Calumet Ave. Merge onto I-80E/I-94 E/US 41 S/US-6 E via the ramp to Detroit. Take exit 2 to merge onto U.S. 41 South, Indianapolis Blvd. Travel 6 miles south to Teibel's, at the intersection of routes 30 and 41.

From the North

Take the Tri-State (I-294) South to I-80 East. Take exit 2 to merge onto U.S. 41 South, Indianapolis Blvd. Travel 6 miles south to Teibel's, at the intersection of routes 30 and 41.

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DINNER MENU

The dinner will be served family style:

Gazpacho soup, relish tray (Homemade coleslaw, cottage cheese, & pickled beets), Teibel's Fried Chicken & baked mostaccioli with meat, baked potatoes, coffee, hot or iced tea & milk if anyone asks; the dessert is the house peppermint ice cream

The cost is \$30 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-members is \$32. The cost to students and unemployed members is \$15. Seating will be available for those who wish to attend the meeting without dinner.

Dinner reservations are required and should be received in the Section Office via **phone** (847-391-9091), **email** (chicagoacs@ameritech.net), or **website** (<http://www.chicagoacs.net/register.php>) by noon on Tuesday, June 18. PLEASE HONOR YOUR RESERVATIONS. The Section must pay for all dinner orders. No-shows will be billed.

**WANT TO REACH
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Contact the Section office at 847-391-9091 or email at chicagoacs@ameritech.net about advertising your business.

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 9-18** 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 13,300 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, let us know! 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.

"CHEM SHORTS" For Kids

The Elementary Education Committee of the Chicago Section ACS presents this column and hopes 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.

Best Bubble Recipes

Kids, how often have you felt like blowing bubbles but couldn't find a bottle of them around the house? And are you tired of bubbles that pop as soon as you blow them?

A soap bubble consists of a thin layer of water trapped between two layers of soap molecules. The tricks to making longer-lasting, hardier bubbles are to make them stable and to slow down their water evaporation. Here you will learn about secret ingredients that impart these properties.

All bubble solutions use a surfactant (soap). Soap is a simple, safe, inexpensive, and easy-to-find chemical. One secret ingredient has these properties too. It is glucose or sucrose, which are simple sugars. Sugars add stability to the bubbles. Another commonly used ingredient is glycerin. The glycerin acts like a thin layer of oil around the bubble's surface, and slows down evaporation.

Compare these bubble recipes to see which work best for you, and then ask yourselves why. Simply stir these ingredients together in large containers.

Basic Bubble recipe:

1 cup water and 2 tablespoons of liquid dish detergent (Joy or Dawn are good choices).

Deluxe Bubble recipe:

1 cup water, 2 tablespoons liquid dish detergent, and 2 tablespoons sugar.

Crazy Deluxe Bubble recipe:

1 cup warm water, 2 tablespoons liquid dish detergent, 1 tablespoon glycerin, and 1 teaspoon sugar.

Hardest Bubble recipe:

3 cups of water, 1 cup of dish detergent, and ½ cup white (or light) corn syrup. This recipe makes large batches, so invite your friends and get ready to make some observations of your experiments!

You can now make bubbles from each

of your solutions. Dip a bubble wand into each solution and blow air into the wand to create bubbles. Keep a written record of the size and the stability of the bubbles made from each solution.

White corn syrup is glucose, and sugar is sucrose. Both are simple sugars. But compare how they perform in your bubble sizes and lifetimes to see if there are differences.

NOTES:

The bubble solutions made with any kind of sugar or syrup are sticky. They will clean up with warm water, but it's best to blow bubbles outdoors or in a bathroom or kitchen so you won't have to clean your carpet or upholstery. The bubbles wash out of clothing.

If you don't have a bubble wand handy, you can fashion one from a pipe cleaner. Make a small circle of one end of the pipe cleaner and use the other end as a handle.

Glycerin can be found in the cake decorating area of most craft stores.

References:

See ChemShorts November 1995 on the Science of Soap Bubbles for more info.

Marybeth Hamilton at <http://www.babysavers.com/how-to-make-bubbles-for-kids-7-of-the-best-homemade-bubble-recipes/>

Anne Marie Helmenstine at About.com Chemistry: <http://chemistry.about.com/od/bubbles/a/Bubbles-That-Dont-Pop.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>

**The Chicago Section's
e-mail address
is
chicagoacs@ameritech.net**

SECTION MEETING DATES 2013

Thursday, June 27
Friday, September 27
Friday, October 11
Friday, November 22
Friday, December 13

CONGRATULATIONS TO OUR 50 AND 60-YEAR ACS MEMBERS!

As part of our June 27 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 2013

Lawrence J. Carr
Constance L. Churchill
Leonard Dubin
Dodd Wing Fong
William Brian Frederisy
John R. Greenwald
Leighton Hansel
Richard V. Hardin II
Lorraine Clauss Hellgeth
Ted M. Hopes
Geraldine Marie Huitink
Karen Lenore Kramer
John W. Lampe Jr.
David Charles Lankin
Norman N. Li
Norman A. Lyshkow
John Machonis Jr.
Richard McAvoy
Rodney Louis Mieville
Michael Y. Oester
Edward P. Pinigis
David J. Rausch
Richard H. Schlosberg
Richard S. Silver
Marlene J. Slifka
Richard S. Treptow
Danica Horvat Turk
John T. Vandenberg
Jin Sun Yoo

60-Year Members for 2013

Harris Thomas Borman
Robert Finley Breese
Alan H. Carlson
Thomas H. Donnelly
John Andrew Donohue
Daniel B. Eickemeyer
Gilbert D. Elenbogen
Charles Feit
Albert K. Fischer
Donald Francis Hoeg
Richard Nelson Hurd
James Leonard Keen
Charles John Korpics
Roland F. Mais
Leonard Norman Nysted
Luke Anthony Schaap
Louis Harold Schliselfeld
Frank Joseph Steslow

DISTINGUISHED SERVICE AWARD TO MILT LEVENBERG



The Distinguished Service Award recognizes members for outstanding and dedicated service to the Chicago Section ACS. The winner of this year's award is **Milt Levenberg**.

Milt was told that he stuck hairpins in electric wall outlets before he was one year old, and that he tried to take apart the family refrigerator at five. By then his parents realized that they were raising a scientist ... or an appliance repairman. As far back as he can remember, Milt was curious about the physical world around him and how it worked. So when he learned what a scientist was, he realized he wanted to be one of them. When Milt was in his teens, his family and neighbors lived in fear of being blown up by the pyrotechnics that Milt and his friends created in his basement "laboratory".

Milt attended IIT in Chicago, and earned a B.S. in Chemistry, along with an award for the outstanding chemistry senior at IIT in 1958. Along the way he joined the Phi

Lambda Chemistry honorary and Sigma Xi Scientific Society, and was the only chemist at IIT to ever be invited to join their Rho Epsilon electrical engineering honorary. It helped to have a love of electronics and a double-E major for a roommate.

Milt went to grad school at Caltech in Pasadena, and received a Ph.D. in Chemistry with a minor in Physics. By then he had realized that his true love was chemical instrumentation and the fledgling field of computers. He joined Abbott Laboratories in 1965 as a Senior Chemical Physicist (a title he and his boss made up because it sounded sexy). His first assignment was to take charge of the newly established NMR lab, and within a couple years was given the assignment to establish a mass spectrometry facility at Abbott. He became a charter member of the American Society for Mass Spectrometry, and a charter member and second president of the Madison-Chicago-Milwaukee (MCM) Mass Spec Discussion Group. He was elected to Abbott's scientific ladder, later known as the Volwiler Society, in 1973, and became a Section Head and later the Department Manager of Abbott's Structural Chemistry Department. He was promoted to the rank of Senior Project Leader in 1997 and awarded the Lifetime Achievement Award from the Pharmaceutical Products Division in 2000. He retired in 2001.

In 1998, Margaret (Margy) Stowell Levenberg, then Chair of the Chicago Section, asked Milt, her husband of less than a year, to create a website for the Chicago Section – a task he accepted with enthusiasm. Little did he know at the time, responsibility for the Chicago Section website was about to become a life-long project, or so it seems. In 2003 Milt was asked to run for Chair-Elect for the Section. His election to that position started a cascade of elected and appointed positions in service to the Chicago Section, including Chair, Gibbs Jury Chair, National Affairs Chair, Policy Chair, Director, Councilor, Section Trustee, and an active member of the Illinois State Fair Committee, the New Technology Committee, the GLRM Committee, the National Chemistry Week Committee, and, of course Webmaster for the Section's website. He also wears the hat of A/V guy for the House Committee, and continues to serve on many of these committees as well as still serving as a Director, Councilor and Trustee. He treasures the many friendships he has formed with fellow members of the Chicago Section.

As a councilor, Milt has been an active member of the ACS National's Communications and Public Relations Committee (CPRC) since 2008, and an enthusiastic Chemistry Ambassador since shortly after that.

Milt retired from Abbott because his professional career was interfering with his many hobbies and activities, which include skiing, canoeing, scuba diving, biking, photography, web page development, and electronics and computers in general. Fortunately, Margy enjoys the same sporting activities, which means you will often find them out of town in pursuit of a good ski hill or attractive bike trail or paddling river. They will be the first to say "life is good!"

Please join us on June 27 as we honor Milt Levenberg with the 2013 Distinguished Service Award for meritorious service to the Chicago Section.

CONTACT THE CHAIR

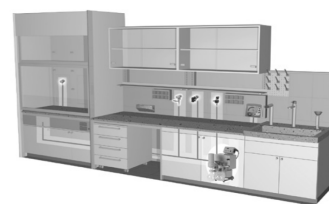
Do you have any questions, suggestions, ideas, gripes, or complaints relating to the Chicago Section? Do you want to help with Section programs and activities? Then contact your Chair. Simply log onto the Section's Web Page at <http://www.chicagoacs.net/>, click on the "Contact Us", click on "Contact the Chair", and send me an e-mail. If I can answer your query, I will respond personally. If I can't answer directly, I will forward your e-mail to someone who can, or try to provide you a contact – all in a timely manner. The Section belongs to you and the other 4,383 ACS members residing in the Chicagoland area (including northeast Illinois and northwest Indiana). Only you can make it work for you by being involved. But you can also make it fail by not being involved. I look forward to hearing from you.

Mike

Michael G. Koehler, Ph.D.
CHICAGO SECTION CHAIR

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CHICAGO SECTION AMERICAN CHEMICAL SOCIETY DISTINGUISHED SERVICE AWARDEES

The Chicago Section American Chemical Society's Distinguished Service Awards were established in 1974 at the suggestion of Louis L. Lerner, then the Editor of *The Chemical Bulletin*. These Awards recognize members who provided exceptional service to the Section over, above and separate from any other achievements of the recipient, either in the profession or by the National ACS.

1974	Victor Conquest	1986	Carl E. Moore
	Roy C. Newton	1987	Elaine R. Anderson
	Otto Eisenschiml	1988	Nellie M. Payne
	Arthur W. Schaar	1989	Louis J. Sacco
1975	Hoylande Young Failey	1990	Thomas J. Kucera
	Byron Riegel	1991	James P. Shoffner
	Ward Evans	1992	Margaret Lally Huston
	Carl S. Miner	1993	Herbert S. Golinkin
1976	David Klein	1994	Stephen Sichak, Sr.
	E. H. Volwiler	1995	Marie Ann Liskha
	M. H. Arveson		Adele Rozek
	P. N. Leech	1996	Gayle E. O'Neill
1977	William A. Converse	1997	Fran Karen Kravitz
	Benjamin B. Freud	1998	Marilyn Kouba
	Robert J. Reinarts	1999	Charles E. Cannon
	Helen Selin		Jay S. Curtice
1978	Walter S. Guthmann	2000	Ellis K. Fields
	Charles DeWitt Hurd	2001	Stanley W. Drigot
1979	Richard Maltoon	2002	Cherlynlavaughn Bradley
	Herbert E. Robinson	2003	Lawrence E. Thielen
1980	Herman S. Bloch	2004	Lawrence U. Berman
	Julius D. Stieglitz	2005	Seymour Patinkin
1981	Vivian B. Biske	2006	L. Jewel Nichols
	Edward G. Rietz	2007	Barbara Moriarty
1982	Bernard S. Friedman		Louis Lerner
	Paul Van Cleef	2008	Margaret Stowell Levenberg
1983	Clifford W. Crosby	2009	Susan M. Shih
	J. Fred Wilkes	2010	Russell Johnson
		2011	David Crumrine
1984	James J. Doheny	2012	Sanford Angelos
1985	Roy H. Bible	2013	Milt Levenberg

AUTHOR HELPS RESTOCK LIBRARIES DAMAGED BY HURRICANE SANDY

Robert Evans Wilson, author of "The Un-comfort Zone" articles that appear periodically in *The Chemical Bulletin* also writes books. Some of his books are on their way to libraries in need as part of the effort to restock facilities destroyed by Hurricane Sandy. His book, "The Annoying Ghost Kid", has been shipped after being vetted by Indie Authors for Hurricane Sandy Libraries, a group established in November 2012 by author K. S. Brooks. There are over 160 authors from all over the world participating in the group and over 1100 books have already been shipped to libraries in the tri-state area of Connecticut, New Jersey, and New York, and beyond.

"This is a great opportunity to connect libraries in need to authors willing to donate books. We work closely with the library systems to make certain they receive the genres they want," says group founder K.S. Brooks. "We're happy to have Robert Evans Wilson, Jr. as part of our effort. His generosity, which includes absorbing all related costs, is much appreciated."

More information about Indie Authors for Hurricane Sandy is available at <http://www.ksbrooks.com/AuthorsforHurricaneSandyLibraries.htm> and more information about Robert Evans Wilson, Jr. is available at www.jumpstartyour-meeting.com.

HELP WANTED

FORMULATION CHEMIST

HNC Products Inc., an international R&D and Custom dermatology products manufacturing company centrally located on a 15 Acres campus, outside of Clinton, IL, is looking for an experienced Formulation Chemist to join their R & D group.

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**REGISTER ONLINE for
Chicago Section
monthly meetings
<http://www.chicagoacs.net/register.php>**

NEW ACS COMMITTEE ON SENIOR CHEMISTS HOSTS UNDERGRADUATE SPEED NETWORKING EVENT

by Claude Lucchesi

ACS has formed a new Joint Board-Council Committee on Senior Chemists (formerly the Silver Circle Committee) effective January 1, 2013. The mission of the Committee is “to enrich the educational, technical, and cultural lives of the ACS membership by employing the talents of senior ACS members.” An interesting statistic is that 37% of ACS members are over 50.

One of the first events organized by the new Senior Chemists Committee was “Undergraduate Speed Networking with Chemistry Professionals”, which took place at the ACS National Meeting in New Orleans early in April. For this event about fifty 30-inch round tables were set up in the New Orleans Convention Center with a senior chemist professional at each table. Some 150 undergraduate chemistry majors were invited to visit with a senior chemist for about six minutes to ask questions and “to partake of senior chemist wisdom.” Each undergraduate had the opportunity of visiting with about twenty of the senior chemists during the course of the event.

I was one of the professionals. I pointed out to the undergraduates that within my experience a situation very comparable to today’s job market occurred when I decided to semi-retire from my Northwestern University Department of Chemistry position in the late 90s. I wanted to continue to use my expertise. The questions I asked myself and the questions I suggested the undergrads ask are: “What do you like to do most?”; “What do you really know?”; and “What are you good at?” The answers to these questions led me to develop a short course on Laboratory Management to present at ACS and at ALMA (Association of Laboratory Managers; <http://labmanagers.org/>) Conferences. Since then I have presented the short course more than 40 times in more than 20 countries.

It turns out that all but one of the undergrads (they were sophomores and seniors) whom I visited with had never actually had a job. They expressed only a desire “to get a job.” There seemed to be no consideration for perhaps starting something new—essentially a lack of entrepreneurial spirit. In response, I was pleased to point out and explain to these students some different approaches to starting a career.

I feel that with activities like these the Senior Chemists Committee is off to a very meaningful start.

REPORT OF SPRING 2013 COUNCIL MEETING IN NEW ORLEANS

The 245th National Meeting of the ACS was held in New Orleans, LA, from April 7 – 11, 2013. The Chicago section was represented by our complete contingent of councilors: Cheryl L. Vaughn Bradley, Charles Cannon, David Crumrine, Ken Fivizzani, Herb Golinkin, Russell Johnson, Milt Levenberg, Inessa Miller, Barbara Moriarty and Susan Shih.

Finances: The Committee on Budget and Finance reported that the Society ended 2012 with \$490.7 million in total revenue, which was 1.3% favorable to the budget. Even so the unrestricted net assets for the society decreased by \$1.4 million to \$100.6 million. The Society met four out of the five financial guidelines established by the Board

Governance: The Council elected G. Bryan Balazs and Charles E. Kolb, Jr. to be candidates for President- Elect of the society. The election, along with any petition candidates, will be held in the Fall of 2013.

Meetings and Expositions: As of April 10, 2013, the 245th ACS national meeting had attracted 15,596 registrants, including 8,105 regular attendees and 5,793 student attendees. In addition, it was reported that 11,232 papers were presented at this meeting

Membership Affairs: At the end of 2012, membership was 163,322. This is lower by 893 members compared to the end of 2011. While the number of student members undergraduate and international members increased there was a loss of regular full members. Beginning at the end of April 2013, ACS members will be allowed access to SciFinder. The cost of membership was increased from \$151 to \$154 for 2014.

Committee on Economic and Professional Affairs: The career fair at the meeting had 803 job seekers, 38 employers and 131 jobs posted. In addition, the virtual career fair had additional job seekers and posted jobs. The Academic Professional Guidelines were approved by council.

Local Sections: A proposal to change the manner in which allotments are calculated for local sections was approved. The calculation in the future (beginning in 2014) will be based on a percentage of the amount allocated for local sections instead of dollar amounts. This will mean less money for all local sections, but preserves some funding for innovative grants.

Petitions: The Council voted against the “petition to Amend National Election Procedures” which sought to shorten the campaign period for candidates for President, This petition would no longer have allowed the Council to select from a series of four candidates, who make short presentations to Council, but instead would have allowed the Committee on Nominations and Elections to select the two candidates.

Special Discussion Item: “What else should ACS do to help members to thrive in the global chemistry enterprise?” After a brief presentation by President Marinda Wu, council engaged in a discussion on the question. Many suggestions were expressed by councilors.

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 (bmwcats@yahoo.com).

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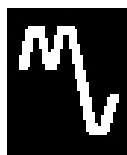
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STAND UP FOR STEM EDUCATION AT SPECIAL PUBLIC OUTREACH EVENT IN INDIANAPOLIS

As host for the upcoming 246th ACS National Meeting & Exposition (Sept. 8-12, 2013), the ACS Indiana Section has joined forces with Celebrate Science Indiana (CSI) to hold a special Public Outreach Event at the world-famous Indianapolis Motor Speedway, and you're invited!

The ACS-CSI Public Outreach Event will be an interactive STEM/racing experience that works with the meeting theme of "Chemistry in Motion," and we need your help and participation to make it a grand success. Join us at the Speedway on Sunday, Sept. 8, 9:00 AM-5:00 PM - you'll have the opportunity to lead fun science activities with members of the community, make the case for the benefits of chemistry and STEM education, do some on-track rides around the Speedway, and more!

For more information, visit <http://www.acsindy.com/acs/> - click on the "Public Outreach Event" link for the latest event details, then on the "Volunteer" link to sign up and take an active role. There's also a link where you can get involved as an event sponsor. We're looking forward to a great event and a great meeting in Indianapolis - hope to see you there!

SPONSORS NEEDED FOR 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 9-18. **Last year, over 13,300 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 200 teachers throughout the state of Illinois as well Missouri, Iowa, and Indiana. **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!



CHICAGO SECTION AMERICAN CHEMICAL SOCIETY
1400 Renaissance Dr. Suite 312, Park Ridge, IL 60068
MARIE ANN LISHKA MEMORIAL SCHOLARSHIP



On December 20, 1993, Marie Ann Lishka, a colleague, a friend, and a confidant to many of us, died very suddenly. She will always be remembered for her vitality and commitment to the American Chemical Society, her community, friends and her family. Not a day goes by that any one of us doesn't remember something special about Marie.

Memories sometime fade with time. Her dedication to both the Chicago Section and the Society has provided others with a role model. Friends and members of the Chicago Section have established a memorial scholarship to preserve the memory of Marie Ann Lishka.

The purpose of the "Marie Ann Lishka Memorial Scholarship" is to be a tribute to the memory of Marie Ann Lishka, chemist, Chicago Section ACS member, Councilor and Board Member, for her dedication and commitment to the Section, the Society and her community. This scholarship will be awarded annually to the highest scoring female high school student selected from the Chicago Section annual High School Chemistry Exam.

The student must have plans to major in chemistry or science. The amount of the scholarship will be determined based on donations collected to endow this scholarship.

At this time, we ask you to consider donating money to endow the "Marie Ann Lishka Memorial Scholarship". This can be done by making a check payable to the Chicago Section ACS, completing this coupon and mailing the check and the coupon back to the "Marie Ann Lishka Memorial Scholarship", Chicago Section ACS, 1400 Renaissance Dr. Suite 312, Park Ridge, IL 60068

"MARIE ANN LISHKA MEMORIAL SCHOLARSHIP"

NAME _____

ADDRESS _____

PHONE (_____) _____ DONATION AMOUNT \$ _____

COLLEGE & UNIVERSITY CHALLENGE FOR THE INDIANAPOLIS MEETING

Are you ready to be part of a fun, friendly, yet competitive event in Indiana's Circle City, home of the Indy 500? Then join the Chemistry in Motion College & University Challenge. Sign up your school to participate, then submit your abstract for the upcoming 246th ACS National Meeting & Exposition in Indianapolis, IN. The final step will be to register for the meeting, starting in June 2013.

Prizes will be awarded to participating schools according to numbers of students registering for the Indianapolis meeting, plus the number of students who present research posters or oral presentations at the meeting. Four winning teams will receive a \$1000 travel grant, Indy 500 track laps for three members of the team, Indy Racecar driver photos for three members of the team, a Team Plaque, and a free BOOTH at the Celebrate Science Indiana (CSI) Event held at the Indy Motor Speedway on Sept. 8 (participation in this event is optional).

For complete details and an application for the Chemistry in Motion College & University Challenge, visit the Indianapolis meeting web page at www.acs.org/indy2013.

ACS INTERNATIONAL CENTER

Through the joint efforts of the ACS Committee on International Activities and the ACS Office of International Activities, ACS is pleased to announce the launch of the ACS International Center (IC). The IC is the first curated, searchable web database of its kind. It lists international exchange and collaboration opportunities in chemistry and the related sciences (grants, scholarships, internships, professional training, and more). Administered by the ACS Office of International Activities, the IC contains information on more than 350 programs in thirteen host countries, sorted across six levels of professional experience. To see it for yourself, visit www.acs.org/ic or e-mail ic@acs.org.

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.

ADVERTISING INDEX

Company	Page	Telephone	URL/E-Mail
Micron Inc.	2	302-998-1184	www.micronanalytical.com
Vacuubrand, Inc.	4	888-882-6730	www.vacuubrand.com
HNC Products Inc	5		cspotini@yahoo.com
Mass-Vac., Inc.	7	978-667-2393	www.massvac.com

CALENDAR

June 5-8: 2013: ACS Great Lakes Regional Meeting (GLRM 2013) in La Crosse, Wisconsin. Visit <http://glrm-lax.sites.acs.org/>

June 12: Fermilab Lecture Series: Particles, Fields and the Future of Physics. 8 pm at Fermilab, Wilson Hall, Ramsey Auditorium, Batavia, IL. Cost is \$7. Visit www.fnal.gov/culture/NewArts/Lectures/12-13/carroll.shtml

June 13: Chicago Council on Science and Technology: Science in the Second City Fundraiser: An Evening with the Stars of Science and Technology. 6:30 - 10 pm at the Adler Planetarium, 1300 S. Lake Shore Dr., Chicago. For more information, go to <http://c2st.org/blog/2011/05/science-second-city>

June 20: Argonne OutLoud Public Lecture Series: The Future of Transportation: Reducing our nation's petroleum consumption and the environmental impacts of our vehicles. 6:30 pm at Argonne National Laboratory, APS Conference Center, Building 402, 9700 S. Cass Ave., Lemont. Free. Registration required at www.regonline.com/JuneOutLoud2013
www.anl.gov/community/outloud

June 27: Chicago Section ACS Dinner Meeting in Valparaiso, Indiana area. Speaker is Andy Jorgensen on "Climate Change." **See details in this issue.**

July 15-19: Inter/Micro: 64th Annual Applied Microscopy Conference, Chicago, IL. Hosted by McCrone Research Institute. For further information, contact Julie Antia, conference coordinator, at 312-842-7100 or go to www.mcricri.org

August 9-18: ACS Illinois Sections' cooperative science 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>

September 8-12: 246th ACS National Meeting & Exposition, Indianapolis, Indiana

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ACS STRATEGIC PLAN FOR 2013 AND BEYOND

The ACS Strategic Plan for 2013 and Beyond represents the Society's commitment to our vision of "Improving people's lives through the transforming power of chemistry" and our mission to "Advance the broader chemistry enterprise for the benefit of Earth and its people." ACS will marshal our unique resources to:

Goal 1 – Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information.

Goal 2 – Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy.

Goal 3 – Improve Education. Foster the development of the most innovative, relevant, and effective chemistry education in the world.

Goal 4 – Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.

Visit <http://strategy.acs.org/> to learn more about the goals.

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

JOB CLUB

The next meeting of the **Chicago Section ACS Job Club** will be held on **Thursday, June 27 at 5:00 p.m.** at Teibel's Restaurant. 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 \$15 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.

WHEN YOU CHANGE YOUR EMAIL ADDRESS

Please let the section office know what your new email address is so that you will not miss any notes concerning issues of The Chemical Bulletin or other section information. Contact the office at 847-391-9091 or at chicagoacs@ameritech.net