

The Chemical Bulletin

<http://chicagoacs.org>

APRIL • 2013

CHICAGO SECTION AMERICAN CHEMICAL SOCIETY AMERICAN CHEMICAL SOCIETY MEETING THURSDAY, APRIL 18, 2013

Viceroy of India
233 E. Roosevelt Road
(at Highland Ave.)
Lombard, Illinois 60148
(630) 627-4411

DIRECTIONS TO THE MEETING

From the North:

Take I-355 south to the Roosevelt Road exit. Go east on Roosevelt Road to the restaurant.

or

Take the I-294 south to I-88 west. Continue on I-88 and take the Highland Ave exit. Turn right (north) onto Highland Ave. Continue on Highland and turn right (east) on Roosevelt Road. The restaurant is on the right.

From the West:

Take I-88 east to the Highland Ave exit. Turn north on Highland and turn right (east) on Roosevelt Road. The restaurant is on the right.

From Chicago:

Take I-290 west to I-88 west. Continue on I-88 west and get off at the Highland Ave exit. Turn right (north) onto Highland and go to Roosevelt Road. Turn right (east) on Roosevelt Road. The restaurant is on the right.

PARKING: Free

JOB CLUB

5:00 - 6:00 P.M.

SOCIAL HOUR

Cash Bar

5:30 - 6:30 P.M.

DINNER

6:30 P.M.

GENERAL MEETING 7:30 P.M.

General Meeting Speaker



Dr. Peter J. Schubert, Director, Richard G. Lugar Center for Renewable Energy, Professor of Electrical and Computer Engineering, Indiana University Purdue University Indianapolis (IUPUI), Indianapolis, IN

Topic: The Future of Energy: Motivations and Solutions for a Better World

Abstract: Globalization of economies, population growth, and the spread of affluence accelerate the need for sustainable practices. Power to drive the economy, and to feed the people, is heavily dependent on finite resources. To avoid a tipping point mankind needs large-scale, renewable sources of cost-effective energy. And soon. This talk presents a bold, comprehensive, integrated energy strategy based on a

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number of novel technical developments which are just now being brought together. Come learn about how space solar power can supply baseload needs, and how an offshoot of this technology enables farmers to use crop waste to displace fossil fuel use. See how silicon can be harvested from plant material to make solar panels as well as hydrogen storage. Find out the latest in waste-to-energy technology, and other advances which will transform how you look at the world around you. A better world is the goal. First we need the vision, then we need the technology, and now, we need to act. Learn how you can help future generations enjoy a sustainable economy with food and energy enough for all of us.

Biography: Peter J. Schubert, Ph.D., is Professor of Electrical and Computer Engineering at IUPUI and serves as the Director of the Richard G. Lugar Center for Renewable Energy. He worked 20 years at Delphi, and was a Technical Fellow. For 5 years he was the Senior Director for Space, Energy, and Education Research at Packer Engineering in Naperville, IL. Peter has published 80 technical papers, and holds 35 patents in the US, plus 8 in the EU, spread across 9 distinct fields of study. He has been the principal investigator on grants from NASA, DOE, DOD, USDA, and GSA.

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.

DINNER INFORMATION

Dinner reservations are required and should be received in the Section Office via **phone** (847-647-8405), **fax** (847-647-8364), **email** (chicagoacs@ameritech.net), or **website** (<http://www.chicagoacs.net/register.php>) by noon on Tuesday, April 16. PLEASE HONOR YOUR RESERVATIONS. The Section must pay for all dinner orders. No-shows will be billed.

MENU: The dinner will be served buffet style and includes: Salad; Naan Bread; Basmati rice sautéed with peas and cumin; A large variety of mild, Indian Style Vegetarian and Meat Dishes; the spicy sauces & yogurt will be serve on the side; Desserts include Mango Kulfi (ice cream made with mangos) and Gulab Jamun (golden brown dumplings made from semolina & dry milk and in a sweet syrup. Choice of beverages.

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.



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JOIN US AT THE FAIR!

The Chicago Section, jointly with the other ACS Illinois Sections, again plans to have an exhibitor's tent at the Illinois State Fair **August 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 giveaways. 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.

WCC COLUMN - AUTHORS NEEDED

Members of the Chicago Section's Women Chemists Committee (WCC) outreach plans for the Chicago-area section members and the community include a column in *The Chemical Bulletin* covering topics such as networking, career development, and vignettes of women in chemistry.

Please consider writing an article about a woman, who is living or dead, by interview or research on the web, or write an article on a topic of interest to women. Both women and men are welcome to join WCC in this activity.

Please make the article around 500 words long and include a photo if possible. Many of the previous articles have been shown as posters at various ACS Chicago Section and National ACS functions with great success. Thank you to everyone who has participated in this WCC effort.

MARGY LEVENBERG
TERI COLLINS
WCC CO-CHAIRS

"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.

Make Fake Glass

Kids, why aren't people really hurt in movies when they appear to be thrown through glass windows? To discover their secret, you can heat sugar and spread it onto a cookie sheet. You will make stage "fake glass".

Be sure to have adult supervision when you do this activity!

What You Need:

- 1 cup sugar (sucrose)
- a flat baking sheet
- butter or baking paper
- a candy thermometer
- a small pan
- a stove or a good hot plate

What to Do:

- Spread butter onto a baking sheet or cover a baking sheet with baking (silicon)paper. Place the baking sheet in the refrigerator to chill it.
- Pour the sugar into a small pan on a stove and warm it over low heat.
- Ask an adult partner to stir the sugar continuously until it melts. Be patient because this will take a while. Using a candy thermometer, remove the pan from the heat when the sugar turns clear (this is the "hard crack" stage on the thermometer). This will make a colorless, transparent fake glass.
- If you heat the sugar just past the hard crack stage, it will turn amber and it will make a colored translucent fake glass.
- Your adult partner should then pour the melted sugar onto the chilled baking sheet. Allow it to cool. You now have made candy glass.
- The candy glass can be used as windows in dollhouses or gingerbread houses, or for lots of other things we can surely be creative in finding.

Tips:

- Boiling water can be used to dissolve the sugar and speed clean-up.
- If you like, the glass can be colored using food coloring. Add the coloring after the sugar has melted and has cooled slightly.
- **Be extremely careful because molten sugar is very hot and can cause serious burns.**

References:

<http://chemistry.about.com/cs/howtos/ht/fakeglass.htm>
<http://mimp.materials.cmu.edu/hst/Projects/2012/2012-Corcoran.pdf>

Submitted by DR. KATHLEEN CARRADO GREGAR

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

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

HELEN M. FREE OUTREACH AWARD — WHO DO YOU KNOW WHO'S MAKING A DIFFERENCE?

Do you know someone who excites children with chemistry demonstrations? Or who "gets the microphone" to talk about chemistry to the public? Or who serves as a chemistry ambassador for local outreach activities?

The Helen M. Free Award for Public Outreach recognizes outstanding achievements by a member of the ACS who improves public recognition and appreciation for chemistry. Visit www.acs.org/helenfreeaward for more information and the online nomination form. Nominations for the 2013 award are requested by **May 15, 2013**.

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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 4,546 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

**DO YOU KNOW ABOUT THE
102nd WILLARD J. GIBBS AWARD DINNER
ON FRIDAY, MAY 17, 2013 AT THE
HILTON GARDEN INN IN DES PLAINES, IL?**

For just \$ 40, you get the following:

- **attendance at the 102nd Gibbs Award Dinner! Prior award winners include Svante Arrhenius, Marie Curie, Linus Pauling and other top chemists of the 20th and 21st centuries**
- **an internationally renowned chemist, Charles Lieber of Harvard University, 2013 Gibbs Award Dinner, giving a talk about his fascinating research**
- **a great dinner with extras such as appetizers, wine, and two complimentary drinks!**
- **the opportunity to network with chemists excited about meeting you**

Join us for a social hour that begins at 6 PM (with hors-d'oeuvres and complimentary drinks), dinner at 7 PM, and Dr. Lieber's talk beginning at approximately 8:30 pm.

**Dinner Menu includes
Soup du Jour, Mixed Garden Salad;**

**WITH A CHOICE OF
Santa Maria Broiled Tri Tips with a wild mushroom demi-glaze sauce
Teriyaki Salmon topped with sliced pineapple and oriental teriyaki sauce
Eggplant Parmesan served over spaghetti pasta and topped with tomato basil sauce
and Double Chocolate Cake**

Reservations are required. Please register at www.ChicagoACS.org or call the Chicago Section office at 847-391-9091 by Monday, May 13 and pay \$40 at the door. Members of the Chicago Local Section who are students, unemployed, or retired are eligible for half price tickets. No refunds will be made after noon on Monday, May 13, 2013.

Please come to salute the recipient and rejoice in Dr. Lieber's achievements and his contributions to the science of Chemistry. Join us for this gala event!

After all, where else can you hear a Great Chemist
AND get Double Chocolate Cake!

SUBMIT ABSTRACTS NOW FOR FALL 2013 ACS NATIONAL MEETING IN IN- DIANAPOLIS

Abstract submission is now open for the upcoming 246th ACS National Meeting & Exposition, which will be held September 8-12, 2013, in Indianapolis, IN. The meeting theme is "Chemistry in Motion," and acceptance dates for papers began March 18, 2013.

Chemistry impacts many facets of the transportation industry, from the fuels that are needed to power vehicles to the materials from which the vehicles are built. Energy, the environment and economics are intimately joined with regard to the creation of a successful transportation network, and chemistry impacts each and all components of that equation. Chemistry is a dominant factor for optimizing the use of precious resources, the development of new technologies to power and build our transportation infrastructure and to minimize the environmental consequences of a society built upon energy and mobility. We encourage you to present a paper to your peers and to participate.

You can browse the complete list of Indianapolis technical symposia online and then submit your abstract at abstracts.acs.org.

For all the latest details, visit the Indianapolis national meeting home page at www.acs.org/indy2013, join the Indy2013 group on the ACS Network, or sign up to receive national meeting updates by e-mail.

SCIENCE NEWS AT THE ACS PRESSROOM BLOG

Check out the new weekly ACS Pressroom Blog, your source for science news based on reports from the Society's 40+ peer-reviewed journals. It features four categories of stories. The Medical Bond covers topics in health and medicine. The Food Court highlights food and nutrition. Flowers & Power describes innovations in environmental science and energy. Finally, Pressroom Perspectives describes ACS' Science Communication activities. The blog is on the ACS Network at communities.acs.org/community/science/science_news.

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!

THE UN-COMFORT ZONE

with Robert Wilson

BUCK the Status Quo Sometimes You Have to Kiss "Tradition" Good-Bye

When we attend the movies we frequently engage in a willing suspension of disbelief, which enables us to accept implausible scenarios, and enjoy the show. It keeps us from yelling, "No way!" at the screen when revolvers fire more than six shots, when car thieves find the keys under the sun visor, and when a paperclip can pick any lock.

Some people, however, don't leave that ability at the theater door.

Innovators willingly suspend disbelief - all the time. It enables them to imagine airplanes and telephones or Game Boys and Super Soakers. It frees them from the boundaries that contain most of us, so they can pursue ideas that others think are preposterous. As M. C. Escher, the artist famous for his drawings of impossible structures, put it, "Only those who attempt the absurd will achieve the impossible."

One of the cardinal characteristics of creative thinkers is their willingness to abandon the traditional ways of viewing things. They question authority and challenge the status quo. They ask questions, like: Why does it have to be this way? Why can't it be that way?

Legend has it that Frank Gordy and Fred Smith were both told by professors that their chosen businesses would not work. Gordy's professor at Georgia Tech told him that he was too stupid to even run a hot dog stand. So, Frank dropped out of school, and opened a hot dog stand across the street from Georgia Tech which eventually became The Varsity, the world's largest drive-in restaurant. Smith, founder of Federal Express, wrote a paper for an economics class at Yale describing an overnight air delivery service for which he received a "C."

Just because things are going well, doesn't mean you shouldn't question authority or challenge the status quo. There's always room for improvement - whether it is in business or your personal life - asking questions may enlighten you to problems before they occur. Speaker bureau owner, Andrea Gold says, "Status quo living does not allow for challenging one's beliefs and habits."

To read the entire article, go to: http://www.jumpstartyourmeeting.com/articles/TUZ/68-Buck_Status_Quo.shtml

www.jumpstartyourmeeting.com/articles/TUZ/68-Buck_Status_Quo.shtml

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Robert Evans Wilson, Jr. is an author, humorist and innovation consultant. He works with companies that want to be more competitive and with people who want to think like innovators. Robert is also the author of the humorous children's book: *The Annoying Ghost Kid*. For more information on Robert and his other articles, please visit <http://www.jumpstartyourmeeting.com/>.

HELP WANTED

Analytical 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 Analytical Chemist to join their Q.C./Q.A. group.

Ideal candidate should have a B.S or M.S in chemistry or bio-chemistry and several years of analytical assay experience working with nutraceuticals, cosmeceuticals and OTC actives. The candidate should be very strong in method developments, testing methods and challenges. This hands-on position requires GLP and cGMP guidelines knowledge using HPLC, GC, FT-IRs and other testing instruments. Please forward your resume to:

Chim Potini
V.P. Research and Development
HNC Products Inc.
283 Cromwell Drive
Clinton, IL 61727
Fax-217-935-8938
E-mail: cspotini@yahoo.com

No Phone Calls please.

SECTION MEETING DATES 2013

Thursday, April 18
Friday, May 17
Thursday, June 27
Friday, September 27
Friday, October xx (TBD)
Friday, November 22
Friday, December 13

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ASK AN ACS CHEMIST

Do you remember being a student, and searching for an answer to a relatively simple question for a term paper, homework or maybe project of some sort? Rather than spending copious amounts of time perusing periodicals and journals, it would have been much easier to pose your question directly to someone who has expertise in the field, right? Well, there are many students now facing the same dilemma and we would like you – the expert – to lend them a helping hand.

The ACS is launching a new program called "Ask an ACS Chemist". Our Publications Division technical support for ACS journals receives roughly 10-15 science-related inquiries each week, typically from high school and undergraduate students. The questions are usually along the lines of:

How does the microscopic method determine particle size?

Which enzyme is inhibited by zinc in Alzheimer's?

What is chemical equilibrium?

Currently when we receive these questions, one of our staff members will direct them to a host of journals where the student may or may not find an answer. We would like to offer the students a more personal touch by funneling those questions to a collective of scientific professionals, such as yourself, and allowing you to share your expertise on the subject matter. We anticipate this initiative will require very little commitment on your end; you may contribute as often as you choose.

The format will be a forum of threaded posts in an ACS Network group to which you would be invited to join. You would then begin receiving the notifications as new questions are posted and can log in to view and/or comment where you feel comfortable. All we would need from you to participate is to merely reply to this email letting us know you are interested and we will invite you to join the Network group. Just think how immensely such a modest connection between yourself and a student could impact their future in chemistry.

If you have any questions about this program, feel free to contact outreach@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.

THE CHEMICAL HERITAGE FOUNDATION CELEBRATES CATALYTIC EFFECT OF WOMEN IN CHEMISTRY WITH ONLINE FILM SERIES

Films Aim to Encourage Study of Science Among Young Women

The Chemical Heritage Foundation (CHF) proudly announces the release of The Catalyst Film Series: Women in Chemistry funded by the Alfred P. Sloan Foundation and created by CHF. The documentary-style film series, accessible at www.chemheritage.org/womeninchemistry, celebrates the catalytic effect that extraordinary women have had in chemistry and endeavors to encourage young women to pursue the study of STEM programs and the sciences in particular.

"The Chemical Heritage Foundation is thrilled to share the stories of the highly accomplished women featured in the Women In Chemistry series," said Thomas R. Tritton, president and CEO, Chemical Heritage Foundation. "While these women couldn't be more different from one another, they have at least one thing in common: a love of science. We hope their stories will inspire our next generation of women to pursue their dreams and become scientists."

The women featured in these films have worn the hats of student, researcher, wife, professor, advisor, mother, pilot and marketer. They are:

- Kathryn Hach-Darrow, cofounder of the Hach Chemical Company
- Mary L. Good, former president of the American Chemical Society, undersecretary for technology in the U.S. Department of Commerce under President Bill Clinton, and recipient of the Priestley Medal
- Uma Chowdhry, retired senior vice president and chief science and technology officer of DuPont
- Nancy Chang, cofounder and former CEO of the biopharmaceutical firm Tanox
- Mildred Cohn, first female president of the American Society for Biochemistry and Molecular Biology
- Stephanie Kwolek, former research associate at DuPont and patent holder for Kevlar®
- Paula Hammond, David H. Koch Professor in engineering at the Massachusetts Institute of Technology.

In addition to the film series, the web site contains supporting materials such as the women's biographies, information on their respective fields of research and access to "Stories from the Field" available on the web site and through iTunes. "Stories from the Field" is a set of audio recordings by other women scientists who have also endured their share of struggles and triumphs as they pursued a career in science.

About the Chemical Heritage Foundation

The Chemical Heritage Foundation (CHF) fosters an understanding of chemistry's impact on society. An independent, nonprofit organization, CHF maintains major collections of instruments, fine art, photographs, papers, and books. CHF hosts conferences and lectures, supports research, offers fellowships, and produces educational materials. CHF's museum and public programs explore subjects ranging from alchemy to nanotechnology. For more information on the Chemical Heritage Foundation, visit www.chemheritage.org or contact Neil Gussman, 717-314-2494.

HAVE YOU USED YOUR ACS MEMBER UNIVERSAL ACCESS BENEFIT YET?

This new benefit gives ACS members automatic access to 25 articles and book chapters from across all ACS publications -- all journals, ACS Symposium Series e-books and C&EN Archives. Just visit the ACS Publications web site, log in with your ACS ID, and select the content you wish to view. It's that easy!

Not sure what to view? Do a search and see where it takes you! Discover a new publication you wish to view more of? Consider an E-Subscription. Discover multiple publications? The E-Passport gives you access to up to 500 articles across all of the publications!

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

GET FREE COPIES WHILE SUPPLIES LAST!

Get kids excited about chemistry! Share your passion for chemistry by giving them *Kids Discover* magazine – a special chemistry issue targeted to grades 5-7. It has engaging articles on Nature's Pharmacy, Color of Fireworks, Chemistry Superstars, Why Matter Matters, and more, plus experiments and games. Cost is \$0.50 per copy. To request a coupon code that will entitle you to up to 50 free copies send an e-mail to kidsdiscover@acs.org with your name, shipping address, a description of how you plan to use the publication, and how many copies you are requesting. A shipping charge of \$7.60 will apply. Share chemistry! Spark a reaction!



Register ONLINE for
Chicago Section
monthly meetings



<http://www.chicagoacs.net/register.php>

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HNC Products Inc	5		cspotini@yahoo.com
Mass-Vac., Inc.	6	978-667-2393	www.massvac.com

April 7-11: 245th ACS National Meeting & Exposition, New Orleans, Louisiana

April 7: Lederman Science Center's Ask-a-Scientist Guided Tour of Fermilab. Topic: "Neutrinos: Little Particles that Could!" by Luke Corwin, 1-4 pm at Fermilab, Wilson Hall, Batavia, IL. Free. Register by noon, April 5. For further information, visit http://eddata.fnal.gov/lasso/program_search/calendar_new.lasso

April 18: Chicago Section ACS Dinner Meeting. See details in this issue.

May 17: Chicago Section ACS Willard Gibbs Award Banquet. Charles Lieber, the Mark Hyman Professor of Chemistry at Harvard University, is the recipient of the 2013 Willard Gibbs Medal.

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

June 27: Chicago Section ACS Dinner Meeting at Valparaiso University

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; go to www.mcric.org



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JOB CLUB

The next meeting of the **Chicago Section ACS Job Club** will be held on Thursday, **April 18 at 5:00 p.m.** at **Viceroy of India**. 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.

SPONSORS NEEDED--STATE FAIR CHEMISTRY TENT PROJECT

The Chicago Section, along with the other Illinois Sections of the ACS, is again planning to have an exhibitor's tent at the Illinois State Fair August 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!

WANT TO REACH CHEMISTS AND CHEMICAL ENGINEERS? . . .

FOR SALES? . . . FOR EMPLOYMENT? . . . FOR ATTENTION? . . .

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

RESEARCH SPACE AVAILABLE

Two offices with a lab are available for rent in Lake Villa. The following equipment is available: chemical hood, biochemical hood, rotary evaporator (with bath and water aspirator), vacuum pumps, air compressor, spectrometer, hydrogenator, manometers, centrifuges, drying ovens, refrigerator, freezer, chromatography supplies, eppendorf pipettes, gases (nitrogen, oxygen, hydrogen) with regulators, assorted glassware, and miscellaneous lab supplies. For more information or to schedule a viewing, call Neil at (847) 549-0104.

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