

The Chemical Bulletin

<http://chicagoacs.org>

APRIL • 2009

CHICAGO SECTION AMERICAN CHEMICAL SOCIETY

Monthly Meeting

FRIDAY, APRIL 24, 2009

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

DIRECTIONS TO THE MEETING

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

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

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

From the South: Take I-294 north to I-90 west. Exit onto Elmhurst Road north. Go past first traffic light (Oakton St.). The banquet hall is on your right. Another way from the south is to take I-355 north to I-90 east. Exit onto Arlington Heights Road south. Then follow the directions given above for coming from the west.

PARKING: Free

JOB CLUB 5:00 - 6:00 PM

PRE-DINNER PROGRAM:

BOOK SIGNING 5:00- 6:00 P.M.
Professor Robert Wolke will be signing copies of two of his books.

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

DINNER 6:30 P.M.

Menu: Menu: Onion Soup; Garden salad with choice of dressing; Orange

Roughly, New York Strip Steak, or Pasta Primavera entrée; rolls and butter; Spumoni ice cream; beverage.

Dinner reservations are required and should be received in the Section Office via **phone** (847-391-9091), **email** (chicagoacs@ameritech.net), or **online** (<http://membership.acs.org/C/Chicago>) by noon on Wednesday, April 22. The dinner cost is \$30 to Section members who have paid their local section dues, members' families, and visiting ACS members. The cost to members who haven't paid their local section dues and to non-Section members and 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. PLEASE HONOR YOUR RESERVATIONS. The Section must pay for all dinner orders. No-shows will be billed.

NOTICE TO ILLINOIS TEACHERS

The Chicago Section ACS is an ISBE provider for professional development units for Illinois teachers. Teachers who register for this month's meeting will have the opportunity to earn up to 4 CPDU's.

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!

GENERAL MEETING 7:30 P.M.



Dr. Robert L. Wolke, Professor Emeritus of Chemistry, University of Pittsburgh

Topic: "A Little Knowledge Makes a Dangerous Cook"

Abstract: Many beliefs about food and cooking are passed along from chef to chef and cookbook to cookbook without any scientific verification ever having been attempted. Professor Wolke will describe his research in testing (and busting) several long-held food myths.

Biography: Robert L. Wolke is professor emeritus of chemistry at the University of Pittsburgh and a food columnist for The Washington Post. As an educator and lecturer, he enjoys a national reputation for his ability to make science understandable and enjoyable. He is the author of *Impact: Science on Society and Chemistry Explained*, as well as dozens of scientific research papers. His latest book, the fourth in his Einstein series on everyday science, is *What Einstein Told His Cook 2, The Sequel: Further Adventures in Kitchen Science*.

He has won the James Beard Foun-

(continued on page 2)

(continued from page 1)

dation's award for the best newspaper column and the International Association of Culinary Professionals' (IACP) Bert Greene Award for the best newspaper food writing. *What Einstein Told His Cook: Kitchen Science Explained* was nominated by both the James Beard Foundation and the IACP as the best technical or reference book of the year. The American Chemical Society has selected Dr. Wolke for the 2005 Grady-Stack Award for interpreting chemistry for the public.

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2009 SECTION DINNER MEETING DATES

May 15	Gibbs Award Banquet
June 19 (Luncheon)	Distinguished Service Award; 50-year mem- bers
September 25	Education Night at Loyola; Public Affairs Award
October 23	Basolo Award Dinner with Northwestern
November 18	
December 4	Holiday Party - Jointly with Chemists' Club & Iota Sigma Pi

ACS FELLOWS PROGRAM

PURPOSE

The ACS Fellows Program was created by the ACS Board of Directors in December 2008 "to recognize members of the American Chemical Society for outstanding achievements in and contributions to Science, the Profession, and the Society." Unlike ACS national awards, the honor of a Fellows designation will go to those who have distinguished themselves in multiple areas, including promoting the science, the profession, and service to the American Chemical Society. Ultimately, the body of Fellows is intended to reach approximately 1-2% of ACS membership.

ELIGIBILITY

Nominees for ACS Fellows must be current members in good standing of the American Chemical Society. The selection of Fellows will be based upon excellent contributions in two defined areas:

1. Excellence in Science/Profession which could be achieved via excellence in basic or applied research; distinguished accomplishment in teaching or education; or demonstrated leadership or managerial excellence in an organization within the chemical sciences; **and**

2. Outstanding Service to the ACS which could include, but not limited to, governance on a divisional, local, regional and/or national level; publications such as editor, assistant or associate editor; meetings through organization of symposia or major presentations; involvement in National Chemistry Week, Chemists Celebrate Earth Day, environmental efforts and similar outreach activities or public communication by press, radio, TV or electronic media.

There must be evidence of exceptional accomplishments and professional attainment in one of the areas with significant contributions in the other.

NOMINATION

Nominations for the Fellows Program will be solicited through multiple ACS units and forums, including Divisions, Local Sections, ACS Committees, and individuals. Self nominations will not be accepted. Each nomination will require a primary nominator and two secondary nominators. No more than one nominator may be from the same educational or governmental institution or industrial location as the nominee. Nominations will be accepted via a completed nomination form by a primary nominator and accompanied by two secondary nominations. Each primary and secondary nominator must write a letter of recom-

mendation for the nominee. The nomination form accompanied by letters of recommendation and any supplementary information should be sent electronically to: fellows@acs.org.

Deadline for receipt of nomination form for the first class of Fellows is April 15, 2009. Nomination forms will be available on the web at www.acs.org.

SELECTION

Fellows will be selected by a Selection Committee appointed and chaired by the Immediate Past President. Membership on the Selection Committee will be representative of the American Chemical Society. Members of the Selection Committee or current members of the ACS Board of Directors will not be eligible to be nominators or nominees.

PRESENTATION

ACS Fellows will be recognized and honored at the Fall ACS National Meetings. Each Fellow will receive a pin and a certificate.

ADDITIONAL INFORMATION

Additional information on the ACS Fellows Program can be obtained as follows:

- "ACS Comment" in the Jan 19, 2009 issue of *Chemical & Engineering News* by Dr. Bruce E. Bursten, Immediate Past President

- Send an email to: fellows@acs.org

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"CHEM SHORTS" For Kids

The Elementary Education Committee of the Chicago Section ACS presents this column. They hope that it will reach young children and help increase their science literacy. Please cut it out and pass it on to your children, grandchildren, or elementary school teachers. It is hoped that teachers will incorporate some of the projects in this column into their lesson plans.

Dry Ice Crystal Ball

Kids, how can you make a bubble as big as a crystal ball and filled with a smoky haze? All you need to make such a large bubble is dry ice, bubble solution, and a little water. Dry ice sublimates to form carbon dioxide gas, which in turn is used to form and expand the bubble.

The supplies you will need are dry ice, a bubble solution, water, and a glass or small glass bowl. To make the bubble: (a) pour some water into the container; (b) have an adult partner add a small piece or two of dry ice using tongs. The dry ice will make bubbles in the liquid; (c) spread a film of bubble solution around the lip of the container; (d) your adult partner can then carefully use their wet, soapy hand or a piece of paper towel that has been wetted with bubble solution to smear bubble solution across the top of the container. (There is a video provided at the website below so you can see how it's done).

Variations: (1) adding a little highlighter ink to the bubble solution will make the bubble solution glow. (2) Use tonic water instead of regular water and shine a black light (UV light) on the bubble; the quinine molecules in the tonic water will glow (or "fluoresce").

How It Works

Dry ice sublimates in air, meaning the solid carbon dioxide goes through a phase change to become carbon dioxide gas. This process occurs much more quickly in water than in air. As the dry ice sublimates, the carbon dioxide vapor is caught inside the bubble solution. The bubble expands, but the cooled bubble solution does not evaporate quickly so the bubble lasts for a relatively long time.

Sometimes conditions are right for the bubble to stabilize at a given size. This happens because carbon dioxide is able to diffuse across the bubble surface. Sublimating carbon dioxide expands the bubble, but when the bubble expands its walls become thinner and leak more. Since more carbon dioxide can escape, the pressure is reduced and the bubble has a tendency to shrink back again. As long as the solution doesn't evaporate too quickly, the bubble may remain relatively

stable until the dry ice is nearly gone. At that point the bubble will become smaller.

References: Dr. Anne Marie Helmenstine at <http://chemistry.about.com/od/dryiceprojects/a/dryicebubble.htm>

Edited by K. A. CARRADO, Argonne National Laboratory

All past "ChemShorts for Kids": <http://membership.acs.org/C/Chicago/ChmShort/kidindex.html>

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WCC ARTICLE AUTHORS NEEDED

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

We invite anyone, women or men, to join us in this endeavor of writing an article for the column. The article needs to be about 500 words long and will also be put on the Chicago Section website. The author also needs to design a poster for the corresponding monthly meeting. Our office manager, Gail Wilkening, will help with the poster, which can be primarily a large font version of what you wrote, if you wish. We welcome new authors and those who have already discovered what a pleasure this project is. Whether you interview a current chemist or research an historical chemist on the web, please join us in this stimulating activity.

CO-CHAIRS MARGY LEVENBERG AND SUSAN SHIH

JOIN US AT THE FAIR!

The Chicago Section, along with the other ACS Illinois Sections, again plans to have a cooperative tent at the Illinois State Fair **August 14-23** in Springfield, IL. Our joint-sections' tent activities provide information to the public on chemistry with demos, hand-on activities, computer quizzes, posters, literature, and give-aways and give us a chance to show the positive aspects of chemistry to many Illinois citizens and governmental leaders. **Last year, over 14,600 people visited our tent—a record attendance!!**

We particularly need volunteers to help during the fair. Student affiliates and other student volunteers are welcomed! If you are interested in helping us for a few hours in this fun and worthwhile outreach activity (you do get free admission to the Fair, free parking and a T-shirt if you sign up to volunteer in time!) -- call the Section office at (847) 391-9091 and go to our website at <http://membership.acs.org/C/Chicago/statefair/index.html> for information and to sign-in using our online volunteer scheduler.

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SAFETY COURSES HELD AT THE GREAT LAKES REGIONAL MEETING

The 38th Great Lakes Regional meeting (GLRM) hosted by the Chicago Section ACS will be held at the Lincolnshire Marriott in Lincolnshire, IL. The theme is "A Better Environment Through Chemistry." There will be two lab safety courses offered as described below.

Laboratory Waste Management Thursday, May 14, 2009 1:00 PM to 5:00 PM

This comprehensive half-day course will identify the various regulatory requirements that apply to laboratories that generate hazardous waste, as well as provide insight into the options for on-site management and off-site disposal. Focus will include discussion on recycling/reclamation techniques, economical handling of wastes, and liability issues. The instructor, Mr. Russ Phifer has over 25 years experience in managing laboratory wastes for academic and industrial laboratories and is a member and former chair of the ACS Task Force on Environmental Health & Safety. Cost of the course is \$150.

How To Be A More Effective Chemical Hygiene Officer Friday, May 15, 2009 8:30 AM to 4:00 PM

Take a close look at the Chemical Hygiene Officer position, and prepare at the same time for the "CHO" Certification exam. Course instructors James Kaufman, Russ Phifer and George Wahl give a different slant to safety issues in the laboratory, focusing on what you do and how you can do it better. The presenters bring a wide variety of experience to the table, but the real stars of the workshop are past attendees who note the interactive approach focusing on their problems, from getting administrators involved in safety to dealing with regulatory concerns.

The course covers all of the content areas of the certification exam (presented at various times through the National Registry of Certified Chemists), including a sample test in the same format as the real one. Whether you are a new Chemical Hygiene Officer or an "old" one, you will find something to put to real use in this fast-paced presentation. You can request an application packet for the Chemical Hygiene Officer certification examination by National Registry of Certified Chemists online at <http://www.nrcc6.org>. The cost of the course is \$325.

Go to website www.glr2009.org for the latest information on the meeting and the courses.



**AMERICAN CHEMICAL SOCIETY CHICAGO SECTION
2009 WILLARD GIBBS MEDAL AWARD PRESENTATION**

FRIDAY, MAY 15, 2009



You and your guest(s) are cordially invited to attend the 98th presentation of the Josiah Willard Gibbs medal to **Professor Louis Brus**, Samuel Latham Mitchill Professor of Chemistry, Columbia University, New York, on Friday, May 15, at Marriott Lincolnshire Resort, 10 Marriott Drive, Lincolnshire, IL 60069. A social hour begins at 6 PM. Dinner is served at 7 PM. Dr. Brus' talk will begin at approximately 8:30 pm.

After a social hour with a Cheese and Vegetable Display, Non-alcoholic Punch, and a Cash Bar, dinner on this special occasion includes Wisconsin Winter Salad with Mescaline Greens, Candied Pecans, Dried Cranberries and Maple Chestnut Vinaigrette Dressing; a choice of Chicken Florentine with Mozzarella cheese, Sun Dried Tomatoes, and Beurre Blanc Sauce; Jack Daniel's Glazed Wild Salmon with Stone Mustard Glaze; or Roasted Vegetables Wellington; Chef's Selection of Potato or Rice and Fresh Seasonal Vegetables; and Chocolate Hazelnut Torte with Mocha Anglaise, as well as Wine. Note: A non-alcoholic sauce for the salmon is available on special request.

To reserve your tickets, please call the Chicago Section office at 847-391-9091 or register at <http://ChicagoACS.org> by Tuesday, May 12 and pay \$50 at the door, or fill out the attached reservation form and mail it with your payment of \$50 by Wednesday, May 6 to the address below. If you are not a member of the Chicago Local Section, you are not eligible for half price tickets for students, unemployed, or retired Chicago Section members. Tables of 10 may be reserved. If you request seating for a group, please include a list of names of the people in your group and their meal choices. Tickets and nametags will be available at the door. No refunds will be made after noon, on Tuesday, May 12, 2009.

The Gibbs Award Dinner is always a memorable occasion. Only the Nobel Prize is considered more prestigious. Please come to salute the recipient and rejoice in Dr. Brus' achievements in and contribution to the science of Chemistry.

Margaret Stowell Levenberg
Gibbs Arrangements Committee

cut here

2009 GIBBS DINNER RESERVATION FORM

Name _____ Affiliation _____

Address _____ Phone () _____

Email Address _____

tickets for ACS members & guests _____ (\$50.00/ticket) ACS Local Section _____

tickets for students, unemployed members, and retirees who are Chicago Section members (\$25.00/ticket) _____

Note: Professors must make student reservations.

dinners: Chicken Florentine with Mozzarella cheese, Sun Dried Tomatoes, & Beurre Blanc Sauce _____

Jack Daniel's Glazed Wild Salmon with Stone Mustard Glaze _____

Roasted Vegetables Wellington _____

Total Enclosed \$ _____ Payable at time of reservation, if reservation is made by mail. Please include a list of your guests' names, affiliations and dinner selections with this form.

Return with payment to: American Chemical Society, Gibbs Reservations
1400 Renaissance Drive, Suite 312, Park Ridge, IL 60068

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



Visit the
Chicago Section
at

www.ChicagoACS.org

POP TOP RINGS

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

KEEPING UP WITH THE NEW ADMINISTRATION

I hope that all of us have been keeping up with the information sites that the new administration has made available to us. I have followed them since Obama became president-elect and established the website, **Change.GOV**. This site was maintained daily until immediately after inauguration, when the site **Whitehouse.GOV** had to become the official website. I was saddened to see the old site closed because I had gotten used to it and rather enjoyed reading it. Further, the new site is obviously much more official and governmental and so it is not nearly as informative, or wide-ranging. Nevertheless, that's the way it is, and so you have to live with it. The new administration is still the most open and informative that I have seen however, and I believe it will become more-so as time moves along.

Let me make one comment of correction. This is with reference to a statement I made a couple of issues back regarding presidential websites. The official presidential website is always "**Whitehouse.GOV**." This belonged to George Bush when he was president. Most of what I have been hearing is that the new Obama White House website is much superior to Bush's in terms of the amount of information available. Since I never viewed the Bush website, I can't evaluate the comparison. My guess is that an official presidential website was established for the first time during the Bush administration. At any rate, they did little to publicize it. The new administration is obviously taking quite a different stance. The following links carry a very good description and discussion of the new site: <http://www.cnn.com/2009/POLITICS/01/20/white.house.website/> and <http://howtoopentings.com/2009-524.htm>.

Another web outlet, **RECOVERY.GOV**, has recently been opened to track spending for the just-passed American Recovery and Reinvestment Act (ARRA). It is obvious that the new president will be doing a lot of communicating with the public via his website.

Much of what took place during the first month of the president's tenure involved ARRA, the Stimulus Plan. This \$789B (+ or - a billion) spending plan was passed by the Congress and signed by the President with very little Republican participation. The ACS supported the bill, as did all of the science community that I am aware of, because there is significant financial support for science and education programs in the package. The president has shown himself to be aware of and supportive of science and technology during the campaign and since becoming presi-

dent. He has given every indication of having an open administration, with open communication. Now is the time for ACS to respond. The Fall national meeting is in Washington DC in August. Wouldn't it be great if ACS could have the president speak to them about his administration's position on science and technology(S&T)? I think we have a President who really does appreciate S&T and its role in the country and the world. I believe he would be willing and eager to do so, absent conflicts and other obligations. I don't think it has ever happened before. Let's talk it up!

JIM SHOFFNER
CO-CHAIR, PUBLIC AFFAIRS
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GREAT LAKES REGIONAL MEETING

The 38th Great Lakes Regional meeting (GLRM) will be held **May 13-16, 2009** at the Lincolnshire Marriott in Lincolnshire, IL. The theme for this meeting is "A Better Environment Through Chemistry." Symposia planned for the meeting include sessions on small chemical business, medicinal chemistry, plant biochemistry, material science, polymer chemistry, non-crystalline X-ray structural chemistry and the environment, molecular simulation and the environment, environmental chemistry and the Great Lakes, food chemistry, issues and resources in chemical health and safety and general sessions in organic chemistry, inorganic chemistry, physical chemistry, analytical chemistry and biochemistry.

In addition, a number of workshops and other events are planned including career workshops, ethics workshops, a Botanic Garden tour and attendance at the Lincolnshire Marriott dinner theater show "Spelling Bee", and the Willard Gibbs Award Banquet to publicly recognize an eminent chemist who, through years of application and devotion, has brought to the world developments that enable everyone to live more comfortably and to understand this world better.

Lincolnshire is a suburb of Chicago and so many activities located in Chicago are available by train from the location.

Please go to our website at www.glr2009.org for the latest information on the meeting.

BP'S EDUCATIONAL SERVICES

The oil company, BP, is doing a lot of work to support schools. Go to the BP educational service website at: www.bp.com/bpes. It contains a carbon footprint calculator for schools, online science experiments, climate change materials, and even kits allowing pupils to experiment with solar energy or investigate rocks and fossils.



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JOB CLUB

The next meeting of the Chicago Section ACS Job Club will be held on Friday, April 24 at 5:00 p.m. at Manzo's Banquets. The meeting will include a review and discussion of some of the tools that a chemist can use to conduct a job search.

The Job Club provides a continuing opportunity for unemployed members of the Section to meet with one another, share their experiences and develop a network that may help in identifying employment opportunities. Bring plenty of resumes and business cards to distribute to your colleagues. Be prepared to talk about the kind of job you are seeking.

Several participants have received outsource help with resume preparation and marketing strategies to present their best attributes to prospective employers. The group has critiqued some individual resumes and made suggestions for improvements in a positive way!

The Job Club is also for employers seeking chemists. Employers need to be prepared to describe the positions to be filled and requirements for these positions.

Should you wish to attend the Section's dinner meeting following the Job Club, the cost is \$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.

SCIENCE FAIR JUDGES NEEDED

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

FRAN KRAVITZ
PRIMARY EDUCATION COMMITTEE
CHAIR

APRIL HISTORICAL EVENTS IN CHEMISTRY

April 1, 1972 Julian Stone reported in Applied Physics Letters on new type of fiber made of quartz & filled with tetrachloroethylene that may be able to transmit light.

April 4, 1923 Ira Remsen was awarded the first Priestley Medal.

April 6, 1928 James D. Watson, a researcher on the double helix structure of the deoxyribonucleic acid (DNA) molecule, was born. He shared the Nobel Prize in 1962 with Francis H. C. Crick and Maurice H. F. Wilkins for their discoveries concerning the molecular structure of nuclear acids and its significance for information transfer in living material.

April 7, 1795 A new law instituted the metric decimal system in France and the nomenclature for this system was established.

April 9, 1971 Ignacio Tinoco, Jr. proposed a simple method for estimating the secondary structure of ribonucleic acid (RNA) from sequence of nucleotides.

April 10, 1900 Arnold O. Beckman, who founded Beckman Instruments in 1934, was born. He developed the pH meter.

April 12, 1884 Otto F. Meyerhof, a researcher on muscle metabolism, was born. In 1922, he shared the Nobel Prize in Medicine with Archibald V. Hill for his discovery of the fixed relationship between the consumption of oxygen and the metabolism of lactic acid in the muscle and for his discovery relating to the production of heat in the muscle.

April 13, 1784 Tobern Bergman, who confirmed Müller von Reichenstein's results that the substance isolated from a bismuth ore was a new element tellurium, was born.

April 15, 1861 Ernest Solvay received his first patent entitled "Industrial Production of Sodium Carbonate by Means of Marine Salt, Ammonia, and Carbon Dioxide".

April 17, 1946 Georges J.F. Kohler, who shared the Nobel Prize in Physiology or Medicine in 1984 with Niels K. Jerne, and Cesar Milstein for theories concerning the specificity in development and control of the immune system and the discovery of the principle for production of monoclonal antibodies, was born. He codiscovered techniques

for producing monoclonal antibodies.

April 18, 1838 P-E. Lecoq de Boisbaudran, who discovered gallium, dysprosium, and samarium, was born.

April 20, 1889 Paul Karrer, who synthesized vitamins A in 1931, B2 (riboflavin) in 1935, and E (tocopherol) in 1938, was born. He shared the Nobel Prize in Chemistry in 1937 with Walter N. Haworth.

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

April 25, 1953 James D. Watson and Francis H. C. Crick, "Molecular Structure of Nucleic Acids: A Structure for Deoxyribose Nucleic Acid" was published in Nature.

April 26, 1834 Hugo Joseph Chiff, who discovered condensation products of aldehydes and amines, and Schiff Bases, was born. He invented a color test to distinguish aldehydes from ketones.

April 28, 1753 Franz K. Achard, who was the first to prepare a platinum crucible, was born. He invented the process for extracting sugar from sugar beets and opened the first beet sugar factory in 1801.

April 29, 1893 Harold C. Urey, who was awarded the Nobel Prize in Chemistry in 1934 for the discovery of deuterium, was born. He was the first to isolate heavy water (D₂O).

LEOPOLD MAY

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> or This Week in Chemical History in the ACS website, [http:// www.](http://www.)

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GAS CHROMATOGRAPHY COURSE

The Chicago Chromatography Discussion Group will hold its 46th annual Introductory course in Gas Chromatography at Roosevelt University, 1651 McConnor Parkway, Schaumburg, IL, April 20-23, 2009. The 3.5-day course is intended to give the students sufficient theoretical and practical background to perform independent work in gas chromatography.

The course includes both lecture and laboratory sessions. Half the course will be devoted to lectures encompassing all major areas of gas chromatography likely to be encountered by workers practicing in the field. The lectures will be presented by outstanding Chicago area industrial and academic scientists who are very active in this field.

This course will emphasize practical laboratory training in capillary GC. Gas chromatographs, supplied by leading manufacturers, will be available for the students. During the course each student will spend about five hours in intensive laboratory work in the areas of qualitative and quantitative analysis. The fee for the course will be \$695, which includes lunch, a textbook and a laboratory manual.

For more information and to register, go to website www.ccdg.org.

CHEMISTRY INTERNATIONAL

Chemistry International (CI) is the newsmagazine of the International Union of Pure and Applied Chemistry (IUPAC). News about IUPAC and its chemists, publications, recommendations, conferences and the work of its commissions and committees is published bimonthly in CI. The web version includes versatile navigations and indexes to the various sections of the newsmagazine. To learn more please visit <http://www.iupac.org/publications/ci/index.html>

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CALENDAR

April 20-23: The Chicago Chromatography Discussion Group (CCDG) will have its 46th Annual Introductory Course in Gas Chromatography, Roosevelt University, Schaumburg, IL. For more information, visit www.ccdg.org or contact Leslie Chiappetti, CCDG Coordinator, ccdgcoordinator@att.net, (708) 557-0024

April 24: Chicago Section ACS Meeting at Manzo's Banquets. See this issue.

May 13-16: The 38th Great Lakes Regional Meeting (GLRM) will be held at the Lincolnshire Marriott in Lincolnshire, IL. The theme is "A Better Environment Through Chemistry." Please go to our website at www.glr2009.org for the latest information on the meeting.

May 15: Chicago Section ACS's Gibbs Award Banquet, Marriott Lincolnshire Resort. Louis Brus of Columbia University is the medalist. See reservation coupon in this issue.

May 18: Catalysis Club of Chicago's Spring symposium at BP in Naperville, IL. Visit <http://www.catalysisclubchicago.org/2009SpringSymp.html> for details.

June 19: Chicago Section ACS Meeting. The section's Distinguished Service Award will be presented.

June 22-26: National Plastics Expo 2009 in Chicago. Contact Phyllis Hortie, (202) 974-5295, phortie@plasticsindustry.org; website:www.npe.org.

August 14-23: 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://membership.acs.org/C/Chicago/statefair/index.html>

August 16-20: The ACS National Meeting & Exposition, Washington, DC. Website:www.acs.org.

September 25: Chicago Section ACS Public Affairs Award Presentation to Dr. Mary L. Good. This will also be the section's Education Night honoring our high school scholarship awardees.

October 23: Basolo Medal Award Lecture, Dinner, and Presentation; joint Chicago Section ACS's meeting with Northwestern University's Department of Chemistry

November 18: Chicago Section ACS Meeting

December 4: Chicago Section ACS's Holiday Party jointly with the Chemists' Club and Iota Sigma Pi

CONTACT THE CHAIR

Do you have any questions, suggestions, ideas, gripes, or complaints relating to the Chicago Section? Do you want to volunteer, help out, or lend a hand with Section programs or activities? Then contact your Chair. Simply log onto the Section's Web Page at <http://chicagoacs.org>, find the green button "Contact the Chair", and send me an e-mail. If I can answer your query I will respond personally. If I can't, I will forward your e-mail to someone who can, or try to provide you with a contact -- all in a timely manner. The Section belongs to you and the other 4,600 ACS members who reside in the Chicago area (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.

AMBER ARZADON
CHICAGO SECTION CHAIR

SCHOLARSHIPS AVAILABLE FOR FUTURE SCIENCE TEACHERS

Chicago State University recently received a grant to fund students preparing to be secondary science teachers. The project, "Establishing a Supportive Environment for the Recruitment, Preparation, and Retention of the Urban Science Teacher" is funded through the National Science Foundation Robert Noyce Teaching Scholarship Program. The Department of Chemistry and Physics and the Department of Biological Sciences will receive \$670,962 over 5 years. 20% will be programmatic while 80% of the funds will be for student scholarships and internships. Scholarships are available for junior/senior undergraduates, certification students, and Masters of Arts in Teaching candidates. Individuals who have a degree in science and are looking into a career change are highly encouraged to apply for a full tuition scholarship for the certification or masters program. Please see our website <http://webs.csu.edu/~noycesch/or> or contact the program director, Dr. Andrea Gay Van Duzor at agay@csu.edu, for more information.

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