



The Chicago Chemical Bulletin

Published Monthly by the Chicago Section of the
American Chemical Society

MARCH • 2007

**THE CHICAGO SECTION ACS WELCOMES ATTENDEES
TO THE 233rd AMERICAN CHEMICAL SOCIETY'S
NATIONAL MEETING, MARCH 25-29, 2007**



Chicago Skyline
Courtesy of Mike Gustafson

DID YOU KNOW?

The Chemical Bulletin is online at www.chicagoacs.org

See page 11 for the Section's March Public Affairs Award dinner and meeting information



Chicago Section

American Chemical Society

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Dear ACS Attendees,

On behalf of the members of the Chicago Section, I welcome you and your guests to Chicago and the 233rd National Meeting and Exposition of the American Chemical Society.

Meeting organizers have put together another outstanding technical program. Whether attending symposia, browsing through poster sessions, visiting the Exposition, or exchanging recent news and scientific developments with friends and colleagues, you will sense the excitement of today's research in chemistry. We are pleased to host this national exchange of scientific and technical ideas.

During this meeting, you are located in a wonderful metropolitan area with much to see and do. If you have not been in Chicago for a few years, I would recommend a visit to Millennium Park, which is already a popular destination for residents and visitors. Of course, the first-rate museums, the wide variety of restaurants, extensive shopping, and the scenic lakefront provide many opportunities to enjoy your leisure time.

The Chicago Section Host Committee has been working to ensure that your visit will be pleasant and memorable as well as informative. If you need information about places of interest, restaurants, transportation, or answers to any other questions you might have, please visit our Hospitality Center at McCormick Place. Our Section volunteers look forward to enhancing your enjoyment of our city.

Have a great meeting! We hope you will have many occasions to return to Chicago for discussions of chemistry or for more leisurely pursuits.

KENNETH P. FIVIZZANI
CHAIR, ACS CHICAGO SECTION

EDITORIAL

The entire Chicago Section of the American Chemical Society is honored to host our fellow chemists at our society's Spring 2007 National Meeting. We extend a warm welcome to you!

The staff of *The Chemical Bulletin* has put aside its usual format to prepare a special edition for you, our guests. Usual editorial criteria require articles relating to chemistry and chemists in the Chicago area (northeast Illinois and northwest Indiana). To help make the many visiting chemists feel more at home, we have prepared several articles describing some of the features of the city we call home. Enclosed are articles describing some of the history of the Chicago Section as well as special symposium schedules and other events of the National meeting. Guides to local sites and restaurants are also included --- all prepared to make your stay more interesting and memorable. We have also included the proclamations from the Governor of Illinois and the Mayor of Chicago in this special National Meeting issue.

Here and there throughout the issue we also share with you our Section's regular news, announcements, and features. For example, our "ChemShorts for Kids" continues to be our most popular regular column and celebrates its 151st installment this month. Our "Profiles in Chemistry" is a much newer featured column that highlights Chicago-area chemists.

The special masthead used on this commemorative edition is a replica of the one used to publish the first *Chemical Bulletin* in 1914. The *Chemical Bulletin* continues to keep pace with the times to provide news expressing our commitment to chemistry and to our fellow chemists. Last year we started posting an electronic version of the newsletter on the Section's website.

We hope your week in Chicago is scientifically productive and personally enjoyable.

CHERLYN BRADLEY

DID YOU KNOW?

The ACS Education Division provides programs and activities that promote lifelong chemistry education, professional activities, and scientific matters of interest to chemists and chemical engineers worldwide.

To find out more about ACS Education programs, visit the *ChemunityNews* FAQs, or write to us at education@acs.org.

THE WOMEN CHEMISTS COMMITTEE TURNS 80

The ACS National's Women Chemists Committee (WCC) will celebrate its 80th birthday in 2007. The committee has planned a number of events to honor and recognize their achievements since 1927. We will kick off our celebration at the 233rd National ACS Meeting in Chicago, IL. Symposia planned include "Symposium in Honor of the Recipient of the ACS Award for Encouraging Women into Careers in the Chemical Sciences" and "Women Achieving Success: The ACS as a Platform in Leadership Development." In addition to the above symposia, WCC will hold its WCC Luncheon on Tuesday, March 27, 2007. The keynote speaker is Dr. Laura Kiessling of the University of Wisconsin, Madison who is the recipient of the 2007 Garvan-Olin Medal, an ACS National Award that recognizes a female scientist for her contributions to chemistry.

Additionally, the WCC will recognize 13 of the 22 recipients of the 2007 spring Eli Lilly Travel Award during the WCC/Eli Lilly poster session and reception on Tuesday, March 27. On Monday, March 26, the WCC will hold its Women in Industry Breakfast.

March, 2007 Vol. 94, No. 3. Published by the Chicago Section of The American Chemical Society, Editorial Staff: Cherlyn Bradley, Editor; Fran Kravitz, Copy Editor; Fadwa Al-Taher and Richard Treptow, Proofreaders; Frank Jarzembowski, Publications Business Manager. Address: 7173 North Austin, Niles, Illinois 60714; 847/647-8405. Subscription rates: \$15 per year. Frequency: monthly-September through June.

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OFFICE OF THE MAYOR

CITY OF CHICAGO

March 25, 2007

RICHARD M. DALEY
MAYOR

GREETINGS

As Mayor and on behalf of the City of Chicago, it is my pleasure to welcome everyone gathered for American Chemical Society's (ACS) 233rd National Meeting and Exposition.

Founded in 1876, the ACS advocates the importance of science and is dedicated to advancing the fields of chemistry. Through its publications, annual meetings and on-line resources, the Society provides educational information, offers networking opportunities and promotes professional development amongst its 158,000 members. I commend ACS for its efforts to encourage the understanding of chemistry to better serve the needs of our communities.

For those of you new to our city, I invite you to take time to discover all that makes Chicago a great place to live and visit. I know you will like what you find. From our great architecture and beautiful Lake Michigan shoreline to our world-renowned cultural institutions and Millennium Park, Chicago offers something for everyone.

May you all have an enjoyable and memorable event.

Sincerely,

A handwritten signature in black ink, appearing to read "Richard M. Daley".

Mayor

ACS PRESIDENTIAL EVENTS

Catherine T. ("Katie") Hunt, ACS President 2007, will be cosponsoring a full week of exciting presidential events and sessions at the national meeting in Chicago. In her desire to address substantive societal issues, she has selected "Sustainability of Energy, Food and Water" as the presidential theme for the Chicago meeting in March and "Material Innovations: From Nanotech to Biotech and Beyond" as the presidential theme for the Boston meeting in August.

Her goal is to successfully execute meaningful thematic programming at national meetings that will not only nucleate ideas, foster community, and accelerate innovation, but will be essential to effectively communicate chemistry to a broader audience. Openly discussing these topics as a scientific community will better enable us to speak with one voice to our membership, the media and the general public.

Sustainability of Energy, Food and Water — Three presidential sessions will be featured, including **Sustainability: A World View** on Sunday afternoon, March 25; **Technology Challenges and Opportunities for a Sustainable Future** on Monday morning, March 26; and **Educating for Sustainability**, Monday afternoon, March 26. Sessions will be at McCormick Place. These themes are well aligned with the ACS strategic plan and the new thematic programming initiative of ACS divisions and secretariats for national meetings.

There will also be a **Presidential Reception: Sunday, March 25, 4:30 to 6 PM** and a **Sustainability Luncheon, Monday, March 26, 11:45 AM to 1:15 PM**, both at McCormick Place. (See Ticketed Events in the technical program for ticket information for the luncheon.)

For full descriptions and times of these sessions, refer the Sustainability (SUST) listing in the technical program or on-line at chemistry.org/meetings/chicago2007.

In addition to all Sustainability events, the following sessions are cosponsored by the ACS President:

— Student Affiliates ACS Chapter Awards (sponsored by CHED), Sunday, March 25, 7 to 8:30 PM, Westin Hotel, Michigan Avenue.

— Realizing the Full Potential of Solar Energy Conversion through Basic Research in Chemistry and Biochemistry (sponsored by PHYS; cosponsored with SUST), Monday, March 26, 8 AM to 5 PM, McCormick Place.

— Sustainability and Chemistry: Tomorrow's Challenge for Today's Students (sponsored by SOCED; cosponsored with CEI), Monday, March 26, 9 to 10 AM, Westin Hotel, Michigan Avenue.

— Going with the Flow: Water Sustainability: Past, Present, Future (sponsored by HIST; cosponsored with SUST and ENVR) Tuesday, March 27, 8:30 AM to 12 Noon, McCormick Place.

— Benchmarking the Research Competitiveness of U.S. Chemistry and Chemical Engineering (sponsored by PRES, cosponsored with CHED, CEPA, ComSCI, and International Activities Committee) Tuesday, March 27, 2 – 4:30 PM, McCormick Place.

— Excellence in Graduate Polymer Science Research Symposium (sponsored by POLY; cosponsored with YCC and PROF), Poster Session: Sunday, March 25, 6 to 8 PM, Hyatt Regency Chicago; Oral Session: Monday, March 26, 8:30 AM to 5:30 PM, McCormick Place.

— Undergraduate Research in Polymer Science (sponsored by POLY), Oral Session: Sunday, March 25, 8:30 to 12:30 PM, McCormick Place; Poster Session: Sunday, March 25, 6 to 8 PM, Hyatt Regency Chicago.

— Women Achieving Success: the ACS as a Platform in Leadership Development (sponsored by WCC; cosponsored with PROF), Tuesday, March 27, 9 to 10:40 AM and 2 to 5:15 PM, Hyatt Regency McCormick Place.

CALL FOR ACS SCHOLARS PROGRAM APPLICATIONS

The ACS Scholars Program, now in its twelfth year, is accepting applications for the 2007-2008 academic year. For the first time, students can apply on-line at <http://chemistry.org/scholars>. Applicants must be majoring in or planning to major in a chemical science and intending to pursue a career in that science. The scholarship is renewable and valued at up to \$5000 per academic year.

For further information or to receive an application package by regular mail or e-mail, call 1-800-227-5558, ext. 6250, or send an e-mail message to scholars@acs.org, or write to us at American Chemical Society Scholars Program, 1155 16th Street, NW, Washington, DC 20036.

WCC RECEPTION

As part of the National ACS meeting, the Women Chemists Committee (WCC) will hold a reception for women chemists and anyone interested in their issues on **Saturday, March 24 at 5 pm at the Hyatt Regency Chicago, Columbus EF Room**.

The Chicago WCC is a co-sponsor of the event and will display posters of some of the WCC articles published in *The Chemical Bulletin* featuring women chemists in the Chicago area. Please join us!

ELSA REICHMANIS TO SPEAK AT SENIOR CHEMIST & RETIREE BREAKFAST IN CHICAGO

A dynamic program is planned for the Silver Circle & Retiree Breakfast at the ACS National Meeting in Chicago on Tuesday, March 27, 7:30 a.m. - 9:30 a.m., at the Sheraton Chicago Hotel.

The guest speaker, ACS Past President **Dr. Elsa Reichmanis**, will talk on: "Perspectives on Employment Opportunities for Seniors/Retirees." Cost for the breakfast event is \$10.00. Tickets can be purchased when registering for the meeting.

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CHICAGO, ILLINOIS, 60601

ROD R. BLAGOJEVICH
GOVERNOR

March 25, 2007

GREETINGS

As Governor of the State of Illinois, I am pleased to welcome everyone gathered for the American Chemical Society's **233rd National Meeting and Exposition**.

This event presents a great opportunity to come together and discuss new ideas and goals for your organization. I hope that all in attendance will take full advantage of this exciting event. I am confident that each of you will leave better prepared to advance your careers, and eager to take on new challenges.

I would also like to offer a special welcome to those traveling from outside of Chicago to attend this event. During your stay, I encourage each of you to take advantage of the many sites and attractions that our city has to offer. From historic landmarks and world-renowned museums, to first-class dining and theatre experiences, Chicago truly has something for everyone.

On behalf of the citizens of Illinois, I offer my best wishes for an enjoyable and successful event.

Sincerely,

A handwritten signature in black ink that reads "Rod Blagojevich". The signature is written in a cursive style with a large, prominent "R" and "B".

Rod R. Blagojevich
Governor

**ACS 233RD NATIONAL
MEETING CHICAGO
HIGH SCHOOL PROGRAM
"INQUIRING MINDS WANT
TO KNOW"**

SUNDAY MARCH 25, 2007

8:30 A.M.— 4:30 P.M.

High School Chemistry Teachers:

Please join us in Chicago for an informative and practical high school chemistry program designed especially for you. The American Chemical Society Division of Chemical Education (DivCHED) will host the High School Program on Sunday March 25, 2007.

Teachers will receive 8 CPDUs for attending. Visit www.divched.org (meetings link) for High School Program location and registration. Registration provides full access to High School Chemistry Day Program (luncheon included), entire ACS National Meeting in Chicago, and Exposition (300+ exhibiting companies). Registration will cost \$78.

For more information please contact the Program Chair, Lee Marek, at lmarek2@uic.edu or Ami LeFevre at amilef@niles-hs.k12.il.us.

ACS High School Program

- 8:30 a.m. — Introductory Remarks
 8:35 a.m. — James Bryant Conant Awardee for Teaching High School Chemistry, Eleanor Siegrist, "39 Years of Enjoying and Motivating Students"
 9:20 a.m. — John Fortman from Wright State University, "Demonstrating Carbonate Chemistry from the Pyramids to Soda Pop"
 9:50 a.m. — Jim Spencer from Franklin & Marshall College and Patrick Daubemire from Loyola University Chicago, "Process Oriented Guided Inquiry Learning (POGIL): A Student Centered Approach to Teaching."
 10:50 a.m.— Intermission.
 11:00 a.m.— Bill Deese from Louisiana Tech, "Demos of the Dead Chemist Society."

- 12:00 p.m.— Intermission.
 12:10 p.m.— Luncheon entertainment: Ken Spengler, former department head, Palatine High School, "A Skeptical Look at Administration in H.S."
 1:30 p.m. — Afternoon keynote speaker: George Bodner from Purdue, "Eternal Verities."
 2:20 p.m. — Mary Harris & Linda Fanis from polymer ambassadors and JCE, "JCE for the High School Teacher: Recycling Resources for Earth Day 2007"
 2:50 p.m. — Intermission.
 3:00 p.m. — Jim Spencer from Franklin & Marshall College, "AP Chemistry: Redesign of the Curriculum and Exam, What Does it Mean?"
 3:25 p.m. — Lynn Hogue and Mickey Sarquis from Miami of Ohio University, Center for Chemistry Education, "Lowering Student Activation Energy for Learning Chemistry"

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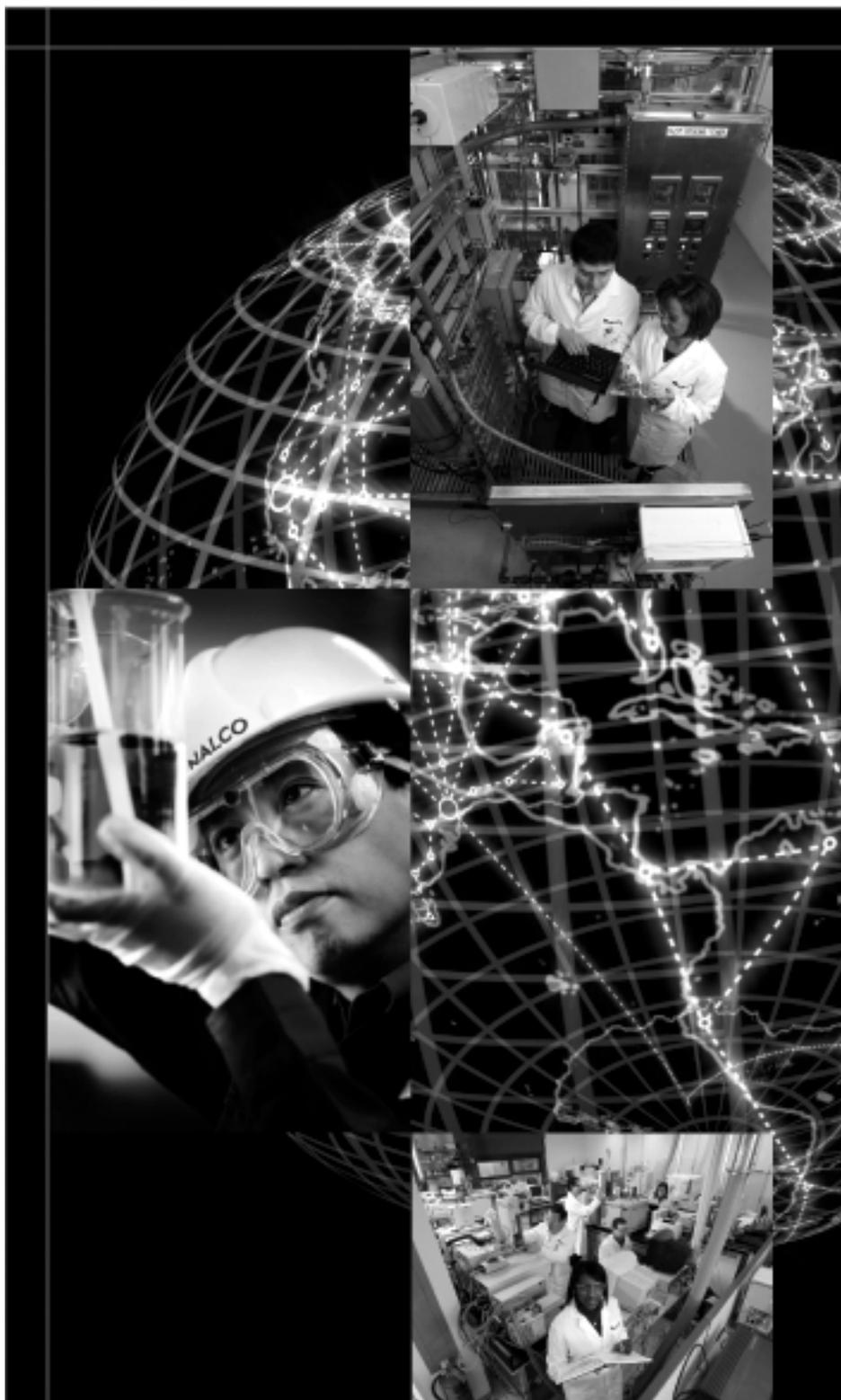
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A BRIEF HISTORY OF THE CHICAGO SECTION ACS

- 1887** Chicago Chemical Society founded.
- 1892** Chicago Chemical Society becomes affiliated with Chicago Academy of Sciences.
- 1895** Chicago Section of the ACS is chartered on March 15, 1895. Section membership is 34.
- 1907** At the 37th national meeting of the Society, an International Kommerz was held at the Sherman Hotel, Max Henius presiding.
- 1911** First Willard Gibbs Medal awarded. First Section directory is published.
- 1914** *The Chemical Bulletin* is founded by Otto Eisenschiml. Section operating deficit is underwritten by individual members in 1914 and 1915.
- 1916** Inauguration of Section dues. Section membership is 551.
- 1920** A surplus of \$5,000 from sponsorship of the 60th national ACS meeting becomes the nucleus of a convention fund, forerunner of reserve funds of the Section. Section membership is 892.
- 1921** The group meeting system starts by Paul Nicholas Leech.
- 1923** A part-time office to handle *Chemical Bulletin* business is located at Schaar and Company. Part-time secretarial help is also authorized for the Employment Committee, and located variously at Wilson Laboratories, Dearborn Chemical Company, and Schaar and Company.
- 1924** A drive for a \$20,000 Endowment Fund is launched under the direction of B.B. Freud.
- 1926** The Section and the University of Chicago cooperate in providing Continuation Courses in chemistry and related subjects during evening hours and on a graduate level.
- 1928** The Chicago Section is incorporated as a not-for-profit corporation April 5, with extensive revisions in the bylaws, provision of a Board of Directors, and other changes.
- 1929** Full time secretarial help is provided for Section business, with Olga Wagbo as first employee. Office moved from Schaar and Company to space provided by the Chicago Chemists Club in the City Club.
- 1932** Headquarters moves to Midland Club. Section membership is 1,022.
- 1934** Section office and Chemists Club move to Stevens Hotel.
- 1939** First Chicago Section radio program starts. Section membership is 1,540.
- 1940** First National Chemical Exposition (NCE) held at Stevens Hotel under chairmanship of Roy C. Newton; Marcus W. Hinson was manager.
- 1942** Second NCE held; Victor Conquest as chairman. Section office moves to Medinah Club when Stevens Hotel is taken over by the Army. Section membership is 2,053.
- 1944** Exposition moves to Coliseum and held there until 1954. M.H. Arveson, chairman, introduces Trail Blazers and famous vocational guidance booklet, "The Chemist and Chemical Engineer in Industry".
- 1945** Section office moves to Fine Arts Building. Meetings held at Furniture Club. Section membership is 2,627.
- 1946** Chicago Chemical Library Foundation starts in cooperation with Chicago Chemists Club. Section office now in Pure Oil Building.
- 1947** Board of Exposition Trustees created to supervise expositions.
- 1949** Headquarters moves to Crerar Library building and a section manager is employed. Section membership is 3,744.
- 1950** Section participates in first TV show and sponsors first Undergraduate Symposium in Chemistry at Roosevelt College. National Chemical Exposition is incorporated as a Not for Profit Corporation in the State of Illinois.
- 1955** High School Scholarship Examinations starts. Section membership is 4,281.
- 1958** First all-day Chemistry Teachers Conference held at DePaul University.
- 1963** Reactivation of strong special interest groups by Program Committee.
- 1964** Section resumes sponsorship and control of new evening lecture series.
- 1967** Annual Safety Conference starts. Section membership is 5,340. TRAIL BLAZERS OF CHEMISTRY is registered as a Service Mark to the Chicago Section. CHEM SHOW NEWS is registered as a Trademark to the Chicago Section.
- 1969** Section membership is 5,594.
- 1971** The 75th Anniversary of the Chicago Section.
- 1972** Marshall S. Smoler Award established by Rachel L. Smoler, Marshall's sister, and is given annually to the highest scoring Chicago Public High School student.
- 1973** Public Affairs Committee of the Chicago Section starts.
- 1974** Distinguished Service Award of the Chicago Section is established.
- 1975** The Section receives an ACS Local Section Membership Promotion Award.
- 1979** Section membership is 5,676.
- 1981** The Section's office relocates to 59 East Van Buren St.
- 1982** The Public Affairs Award is established by the Section's Public Affairs Committee.
- 1985** Chicago Section hosts the 190th ACS National Meeting.
- 1986** The Section's first annual Chemistry Day.
- 1987** The Section receives The Best Large Section award.
- 1990** The Section wins award for Outstanding Large Section.
- 1991** The Section's office moves to 7173 N. Austin, Niles, IL. Section wins a Phoenix Award for Best Intersectional Cooperation during National Chemistry Week (the Chicago and Rock River Sections jointly sponsored Chemistry Day activities). "CHEM SHORTS" For Kids column is started as a regular feature in *The Chemical Bulletin*.
- 1993** The Section wins the very first Public Relations Award for "outstanding activities in all areas of public outreach". The Section hosts the 206th ACS National Meeting.
- 1994** Section membership is 5,684.
- 1995** The Section celebrates its Centennial, The Section's Job Club starts. The Section is co-winner with the Philadelphia Section for the ACS Award for Outstanding Performance by a Large Section and winner of a Phoenix Award for "Best Event in a Museum or Library".
- 1996** UOP's Riverside Laboratory officially designated a National Historic Chemical Landmark. Section starts a Kids & Chemistry program.
- 1999** Section receives a Phoenix Award for activities with under-represented minority students. Section membership is 5,836.

(continued on page 10)

(continued from page 9)

- 2000** Ron Sykstus retires as the Section's long-time Business Manager and Executive Director. Gayle O'Neill, TEI Analytical, accepts position as Business Manager. Henrietta Z. Freud bequest is received for the purpose of supporting Section operations. The Section established a new mission statement: to encourage the advancement of chemical sciences and their practitioners. Section membership is 5,515.
- 2001** Rachel L. Smoler estate provides a bequest to endow the Marshall S. Smoler Memorial Award by Rachel L. Smoler scholarship fund in memory of her brother. Section hosts 222nd ACS National Meeting. The Section became an ISBE provider for professional development units for Illinois teachers via attendance of monthly meetings and other section activities. An annual food drive and donation to a local charity is initiated at the Section's holiday party/meeting in December.
- 2002** An online job search networking group is established on the Section's website. The Section, in collaboration with several other groups, helps establish Alice Hamilton and her work at Hull House in Chicago as a National Historic Chemical Landmark.
- 2003** Undergraduate Research Symposium starts by the Section's College Education Committee. The Women Chemists Committee of the Chicago ACS is established.
- 2004** The Chicago Section, along with the other Illinois Sections of the ACS, begins hosting the annual Illinois local sections' cooperative ACS tent at the Illinois State Fair. The Section wins Outstanding Performance by a Local Section Award and Local Section/Division Interaction Award.
- 2005** The Section begins having one membership monthly meeting as a lunch meeting where the Distinguished Service Award and the 50-year awards are presented. Section membership is 4,800.
- 2006** An annual joint Chicago Section ACS/Chicago Section AIChE dinner meeting is initiated. An electronic version of the Chicago Section's

newsletter, *The Chemical Bulletin*, is established on the Section's website. Section membership is 4,600.

- 2007** The Chicago Section hosts the 233rd ACS National Meeting.

WOMEN CHEMISTS COMMITTEE

As part of the outreach plans for Chicago Area section members and the community, members of the Chicago Section's Women Chemists Committee (WCC) started writing vignettes of women in chemistry for a column in *The Chemical Bulletin*. Here is a list of the women chemists/scientists/inventors that have been featured to date (the issue's month and year is in parenthesis):

- **Alice Hamilton** – pioneer in industrial toxicology (Feb. 2004)
- **Madeleine Jacobs** – Executive Director and CEO of the ACS (March 2004)
- **Kathleen Carrado** – Manager, User & Outreach Programs, Center for Nanoscale Materials, Argonne National Laboratory (April 2004)
- **Ka Yee Lee** – Associate Professor, University of Chicago (May 2004)
- **Linda Brazdil** – Director of the Prairie Crossing Charter School (June 2004)
- **Susan Shih** – Professor of Chemistry, College of DuPage (June 2004)
- **Alanah Finch** – Professor of Chemistry, Loyola University of Chicago (June 2004)
- **Gerty Cori** – first American woman recipient of the Nobel prize in Physiology or Medicine (Sept. 2004)
- **Jennifer Holmgren** – Director of Exploratory and Fundamental Research, UOP LLC (Nov. 2004)
- **Catherine Woytowicz** – Professor, government science policy advisor, writer, consultant (Dec. 2004)
- **Rosalind Franklin** – leader in researching DNA molecules and RNA viruses. (Jan. 2005)
- **Lin X. Chen** – researcher, photo-synthesis group, Argonne National Laboratory (March 2005)
- **Edith Flanigen** – inventor and co-inventor of new generation molecular filter materials for the petroleum refining and petrochemical industries (May 2005)

- **Hoylande Denune Young** – first female division director at Argonne National Laboratory; first woman to chair the Chicago Section ACS; chemist and general editor on the Manhattan Project (June 2005)
- **Mary Margaret Huston** – researcher in the food industry; second woman to chair the Chicago Section ACS (Sept. 2005)
- **Kristine Salmen** – environmental chemist and consultant (Oct. 2005)
- **Agnes Pockels** – ingenious scientific investigator (Nov. 2005)
- **Mary Good** – Past President of the ACS; Dean of the College of Information Science and Systems Engineering, University of Arkansas; research and administrative leadership positions in chemistry, material science and in government (Feb. 2006)
- **Susan Solomon** – a leader in atmospheric science, senior scientist, National Oceanic and Atmospheric Administration's Aeronomy Laboratory (March 2006)
- **Jean'ne Shreeve** – fluorine chemist; Professor of Chemistry, University of Idaho (April 2006)
- **Fran Seabright** – chemistry teacher, supervisor for student teachers, advisor (May 2006)
- **Kristin Bowman-James** – Professor of Chemistry, University of Kansas; Project Director of the Kansas NSF Experimental Program to Stimulate Competitive Research (Sept. 2006)
- **Henrietta Leavitt** – developer of a standard to determine the magnitude of stars and of a way for astronomers to calculate the distance to distant stars (Oct. 2006)
- **Margaret Cavanaugh** – Deputy Assistant Director for Geosciences, National Science Foundation (Nov. 2006)
- **Bette Nesmith Graham** – inventor of Liquid Paper correction fluid (Dec. 2006)
- **Sharon Vergez Vercellotti** - President of V-LABS, INC., Covington, LA, a consulting, manufacturing, and analytical laboratory, specializing in carbohydrates and polysaccharides (Jan. 2007)

To read the full articles online, go to <http://membership.acs.org/chicago/WCC/wcc.html>

CHICAGO SECTION AMERICAN CHEMICAL SOCIETY

Public Affairs Award and Meeting

FRIDAY, MARCH 16, 2007

Café La Cave
2777 Mannheim Road
Des Plaines, IL 60018
847-827-7818

DIRECTIONS TO THE MEETING

From 290 East/West - Take 290 from either direction and exit 294 North. Continue until you reach the exit for 190 West (to O'Hare). Exit and immediately pay toll. Exit Mannheim Road North. Go North for 1.5 miles. The restaurant is on the right side after the second stoplight.

From 90 East/West - Take 90 from either direction and exit 190 West (to O'Hare). Then follow 290 East/West directions given above.

From 294 North/South - Take 294 from either direction and exit 190 West (to O'Hare). Then follow 290 East/West directions given above.

From 88 East - Take 88 East to 294 North. Take 294 and exit at 190 West (to O'Hare). Then follow the directions for 290 East/West given above.

PARKING: Go directly to parking lot for self-parking. Valet parking also available.

TOPICAL GROUP 5:15 – 6:15 P.M.

“Beyond Forgotten Genius: Education and Information Programs from Dr. Percy Julian’s Life and Legacy”, by **Dr. Jim Shoffner, Science Institute, Columbia College Chicago** (See page 12)

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

SOCIAL HOUR: 6:00- 7:00 P.M.
 Complimentary Hors D'oeuvres served butler style. Cash Bar

DINNER 7:00 P.M.

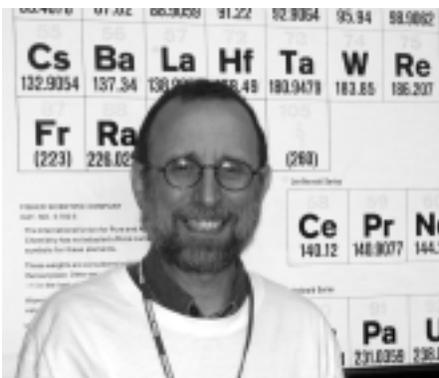
Menu: Cream of Tomato Soup with Spinach and Pasta; Squillo Salad with Walnuts and Cranberries; Entrée choice of either a Breast of Chicken Combination (Sautéed Breast of Chicken with fresh mushrooms & shallots with a Sherry Cream Sauce and Sautéed Breast of Chicken with Shiitake mushrooms with a Marsala Wine Sauce), Seared Salmon with a Ginger Sauce, or

Fresh Vegetables with Pasta; Anna Potatoes; medley of fresh vegetables; Chocolate cake with Raspberry Sauce; a variety of breads; beverage.

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 **online** (<http://membership.acs.org/C/Chicago>) by noon on Tuesday, March 13. The dinner cost is \$34 to Section members who have paid their local section dues, members' families, and visiting ACS members. The cost to non-Section members is \$36. The cost to students and unemployed members is \$17. 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.

PUBLIC AFFAIRS AWARD

ADDRESS 8:15 P.M.



PUBLIC AFFAIRS AWARDEE

Lee R. Marek, Department of Chemistry, University of Illinois at Chicago; former Teacher, Naperville High School

Topic: "Chemistry On the Late Show With David Letterman -- Part 1"

Abstract: The audience for the David Letterman show is not unlike a classroom full of high school students or college freshman! It's sitting there daring you to be interesting! One way to capture attention is to do demonstrations that are exocharmic (to radiate charm and make you want to watch) and to be a bit weird/eccentric. Good teaching is part knowledge, part preparation and part theater and so is doing science on

THE LATE SHOW. More importantly, you need a frame of mind somewhat off center to survive doing chemistry on national TV.

As Robert Maynard Hutchins said, "My idea of education is to unsettle the minds of the young & inflame their intellects." I embrace this idea -- sometimes literally -- both in my classroom, in science programs, and the David Letterman Show! I use what is called the "Phenomenological" approach to teaching science -- introducing a topic with a demonstration or lab so that students have something concrete on which to focus. I use demonstrations as exocharmic motivators to captivate student interest and to focus on the day's topic. To influence high school kids, college freshman, or the general public like the Letterman show audience, you need "presence", to capture their attention.

We live in a world of the 15-second commercial, MTV video, and the National Enquirer. As teaching professionals we need to compete, to show the people that there is something interesting and important in learning; something about which "inquiring minds really do want to know." It boils down to what William Butler Yeats said, "Education is not in the filling of a pail, but in the lighting of a fire".

I will present a number of video clips from the 25 shows I have been on in the last 15 years, including one used on Letterman's 10th anniversary show and one that was up for an Emmy award. The demos featured will range from the 8 foot ball of fire shooting across the stage, to the Dyn-o-might soap. I will describe the time I dissolved the set, discuss the 1000 pounds of thermite demo [never done] and show the time the 500 pounds of Oobleck got lose. There will be a clip of the time I almost

(continued on page 12)

NOTICE TO ILLINOIS TEACHERS

The Chicago Section-ACS is an ISBE provider of 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.

(continued from page 11)

took out Bozo on WGN! If there is time, I will show some of the other work I did with WTTW, FOX, Inside Edition and U.K. TV. I will also do a few of the simple demos with the audience.

My web site has some demos and more information: <http://www.chem.uic.edu/marek/>

Biography: Lee Marek received a B.S. in chemical engineering from the University of Illinois and M.S. degrees in chemistry and in physics from Roosevelt University in Chicago. He currently teaches Chemistry 101 and does the chemistry demonstrations and teacher programs at the University of Illinois at Chicago (UIC). He taught chemistry at Naperville North High School for over 30 years. His students have won national recognition in the International Chemistry Olympiad, the Westinghouse Science Talent Search, and the Internet Science and Technology Fair.

For the last nine summers, he helped run a history of science tour program in Europe and has helped run over 500 workshops/programs for teachers, students and the general public in the past 25 years. He was instrumental in starting up and running a teachers alliance group [over 400 teachers] called ChemWest in the Chicago area.

Among the awards Lee has received are the Presidential Award, ACS's James Bryant Conant Award, the ACS Helen Free Award for Public Outreach, Golden Apple Awardee, Sigma Xi and CMA's National Catalyst Award for Teaching. Lee has also been a regular on "The David Letterman Show" since 1990 doing science infotainment. He was a Woodrow Wilson Chemistry Team leader and is now a Flinn Team leader.

(Note: Lee Marek is also featured in the "Profiles in Chemistry" on page 14 of this issue)

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!

REGISTER TO ATTEND MONTHLY SECTION MEETINGS ON LINE

at
<http://membership.acs.org/C/Chicago>

TOPICAL GROUP SPEAKER: DR. JIM SHOFFNER

"Beyond Forgotten Genius: Education and Information Programs from Dr. Percy Julian's Life and Legacy"

The NOVA film "Forgotten Genius" which chronicles the life and scientific career of Dr. Percy L. Julian and was shown recently on PBS, has inspired several programmatic efforts to use his science and technology triumphs and contributions as a means of learning about science and society. Both the Chemical Heritage Foundation as well as the Chicago Public Schools have launched efforts in this direction. As one of the initiators, as well as a consultant and supporter of the NOVA film project, I have observed these efforts with interest and much satisfaction. I will lift up these programs, as well as other similar and related efforts, while giving a brief summary of the making of the film.

Introducing Jim Shoffner and What Led to the Making of the Film

Jim Shoffner is a 50-year member of the Society and the Section, a past director of both, as well as a past chair of the section. As a member of the ACS Committee on Minority Affairs, he first proposed a celebration of the 100th anniversary of birth of Dr. Julian in 1997, to take place at the Anaheim National Meeting in March 1999. Concurrently, an all-day celebration in honor of Dr. Julian was organized for April 1999 by the Section's Public Affairs Committee, co-chaired by Jim Shoffner and Barb Moriarty. Both events took place as scheduled, with representatives from NOVA in attendance. On the same day as the Section's meeting, held at the University of Illinois College of Pharmacy, and jointly sponsored by the UIC Dept. of Medicinal Chemistry and Pharmacognosy, Dr. Julian's synthesis of physostigmine was dedicated as a National Historic Chemical Landmark at DePauw University. It was from these meetings that occurred in 1999 that plans were made and timetables drawn which ultimately resulted in the making of the film.

2007 SECTION DINNER MEETING DATES

April 20 (Distinguished Service Award)
May 18 (tentative) (Gibbs Award)
June 21 (a Thursday) (Jointly with YCC)
September 28
October 19 (Basolo Medalist Lecture)
November 16 (Education Night)
December 7 (Holiday Party)

JOB CLUB

The next meeting of the **Chicago Section ACS Job Club** will be held on Friday, **March 16 at 5:00 p.m. at Café La Cave**. 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 \$17 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.

SAFETY IN ACADEMIC CHEMISTRY LABORATORIES, VOLUME 1, AVAILABLE IN SPANISH

The ACS Committee on Chemical Safety (CCS) is pleased to announce that Volume 1 of its flagship publication, *Safety in Academic Chemistry Laboratories* is available in Spanish. *Seguridad en los Laboratorios Quimicos Academicos*, 7ma Edicion, Volumen 1, is currently available in electronic Acrobat PDF format at: http://membership.acs.org/c/ccs/pubs/SACL_Spanish.htm

KEN FIVIZZANI
ENVIRONMENTAL & LABORATORY
SAFETY COMMITTEE

"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.

Alka-Seltzer Surface Area

Kids, did you know that the rate of a chemical reaction can be affected by the physical size of the reactants? When decreasing the size of particles in a certain amount, you will increase the number of particles. Here you will test the hypothesis that smaller particle size can increase the rate of a reaction because the surface area of the reactant has been increased. Before beginning, make a prediction that a powdered form of a tablet will react X times faster than a whole tablet (you should guess the value of X).

You will need: 3 clear glasses, 3 Alka-Seltzer tablets (original formula effervescent), a mortar and pestle, and a stopwatch.

Here is the procedure:

1. Whole Tablet

- Fill a clear glass with exactly 8 oz. of room temperature or lukewarm water.
- Drop 1 whole Alka-Seltzer tablet into the water. Measure and record the time to dissolve it.

2. Tablet Broken into about 8 Pieces

- Place 1 Alka-Seltzer tablet onto a sheet of paper and break into approximately 8 pieces of about equal size.
- Fill a clear glass with exactly 8 oz. of room temperature or lukewarm water.
- Slide broken tablet into the water from the sheet. Measure and record the time to dissolve it.

3. Powdered Tablet

- Place 1 Alka-Seltzer tablet into mortar and grind to a fine powder.
- Transfer powder into a clear cup. (Note: It's important to have the powder in the cup before adding water.)
- Add 8 oz. of water to the glass. Measure and record the time to dissolve it.

From your measurements, determine whether the rate of reaction increased or decreased as the particle size decreased, and by how much. Was it 2 times faster, or more?

References:

http://www.alka-seltzer.com/asp/student_experiments_2.html

Edited by K. A. Carrado, Argonne National Laboratory

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

ATTENTION HIGH SCHOOL TEACHERS: SUBSCRIBE TO CHEMMATTERS!

Renew or begin your subscription to ChemMatters, the ACS magazine for high school chemistry students! A one-year subscription to ChemMatters is \$14.00. Buy 5 or more subscriptions and the cost is \$7.00 per subscription. Multi-year discounts are also available. Each one year subscription includes 4 issues of the magazine.

ChemMatters is an award-winning quarterly magazine for high school chemistry students. Each issue includes articles which reveal chemistry at work in everyday life.

ChemMatters was designed for teachers to use as a supplement to their first year high school chemistry course. A free teacher's guide is available online which provides additional information on articles, follow-up hands-on activities, classroom demonstrations, and additional resources.

See <http://www.chemistry.org/education/chemmatters.html>.

Save this date for the Gibbs Award Banquet, Friday, May 18, 2007
Pending availability of the Gibbs awardee (yet to be determined)



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ANALYSIS FOR THE CHEMICAL ELEMENTS

POP TOP RINGS COLLECTION

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

WANT TO REACH CHEMISTS AND CHEMICAL ENGINEERS? ...FOR SALES? ... FOR EMPLOYMENT? ... FOR ATTENTION? ...

How about advertising your business in the Chicago Section's *THE CHEMICAL BULLETIN*!

Each month, except for July and August, more than 4600 technically aware readers receive a personal copy of *THE CHEMICAL BULLETIN*. This audience constitutes a rich pool of individual chemists, chemical engineers, science teachers, and students, within the Chicago Metropolitan Area. Our members are from industry, academic institutions (both universities and high school) and government.

Our deadlines are approximately five weeks before publication so plan ahead and include us among your media plans and advertising strategies. Ask about our special rates for a year's subscription of your ad insertion.

Contact the Section office at 847-647-8405 or email at chicagoacs@ameritech.net

This article is the third of a series on profiles of Chicago area chemists that have had an impact on chemistry in the Chicago area.

PROFILES IN CHEMISTRY: Lee R. Marek

Lee Marek seems to be an ordinary person if you see him outside of "work." He appears quiet and...well...kind of shy. One would never guess that he has made an impact for chemistry on millions of people. However, Marek has the ability to transform, almost like Clark Kent, from a mild mannered nice guy to a superhero teacher. With millions of other viewers, you have probably seen him on the *Late Show with David Letterman*; he and his students, have been guests more than a couple dozen times! The show is not all fun...it is education, and not just for the kids.

As a student, young Lee was very interested in history and was planning to major in history. However, in high school, he took a chemistry class from a very interesting...and eccentric...chemistry teacher. Chemistry was so interesting for Lee that he started reading chemistry books for fun and enjoying them. It turned out that he was good at science and math, and eventually went to college and earned a degree in chemical engineering from University of Illinois at Champaign.

After college, Marek joined UOP and worked in the catalyst evaluation lab. Although well prepared for this, Marek decided that industrial R&D was not his interest; teaching was. College taught him the skills, but didn't teach about what chemical engineers actually do. It turns out that he was more interested in chemistry and teaching. He started a new career in teaching as he was earning M.S. degrees in both chemistry and physics from Roosevelt University. He had a dedicated career at Naperville North High School, where he developed both chemistry and advanced placement chemistry programs. After 33 years, he retired, and started the next career teaching at the University of Illinois at Chicago (UIC).

First conceived by Marek and a few other teachers in his Honda station wagon during a traffic jam, the ChemWest alliance was developed during the early 1980's. This alliance of High School teachers meets every month or two to share ideas and develop teaching methods – no talking heads allowed! These meetings led to the development of *Weird Science*, which is a series of short, easy and

sometimes "weird" demonstrations and ideas on chemical and physical phenomena. It is designed for teachers of the physical sciences, primarily at middle school and high school levels. The *Weird Science* program presents novel demonstrations designed to "hook" both kids and adults into thinking about science concepts. It is adapted to the needs of each set of audience participants and lasts between one and six hours.

Marek's brand of science "infotainment" can be recognized by its humor and audience participation, which are always an integral part of *Weird Science*. His style is, for example, to explain how Boyle's Law can provide high pressure between shots of a potato projectile. It is amazing to watch as students actually have fun learning Boyle's Law!

The Letterman gig had an unusual start. *Newsweek* magazine interviewed Bob Lewis, from the *Weird Science* group. He was doing a teacher workshop in New York and mentioned the *Weird Science* shows. Letterman was at NBC at that time and picked up on the name *Weird Science*. He invited first Lewis and then Marek to do their science shtick on the show. After more than a dozen appearances the Letterman crew and Lee came up with the idea of Kid Scientist. The "great chemistry" between Dave and the kids has made the Kid Scientists an ongoing hit for close to 10 years.

Besides to appearing on Letterman, Lee has presented to groups of students, teachers and the public and has appeared on shows that include *Bozo*, *Inside Edition*, *Craig Kilborn*, *WTTW Science Shows* and in the halls of the US Congress on Capitol Hill.

In talking with Marek it is very clear that his serious, Clark Kent persona is even stronger than the Superman entertainer. Marek asserts that the current educational system, set up to educate generations of factory-based workers, needs to be re-shaped to motivate interest in science and math. He believes that eight of the ten fastest-growing professions this century will be science-based. Although a bit of a futurist, Marek's love of history is apparent as he talks about H.G. Wells writing in 1920 that "Human history becomes more and more a race between education and catastrophe."

Adapted to a world of 15-second sound-bite opportunities, Marek uses a "Phenomenological" approach to teaching science, which introduces a topic with a demonstration or lab to establish something concrete on which students can focus. The key is to use

what Marek describes as exocharmic motivators to captivate student interest and to focus on the day's topic. He defines exocharmic as radiating charm, and making students want to watch. Color changes, flames, explosions, and discrepant events, phenomena which occur that seem to run contrary to one's first line of reasoning or current set of ideas, are used to capture attention. These demonstrations set the stage and induce excitement and learning. Rather than a focus on memorization, discrepant events and demonstrations help students to develop reasoning and problem solving skills. This causes a "cognitive conflict" which acts as a switch to turn on the brain.

In addition to being a regular on Letterman and other national mass-media appearances, Marek has received substantial additional recognition including the Presidential Award for Excellence in Science Teaching, Golden Apple Award, Christa McAuliffe Fellow, ACS James Bryant Conant Award in High School Chemistry, ACS Helen Free Award for Public Outreach, ACS Chicago Section Public Affairs Award, CMA's National Catalyst Award for Teaching Chemistry, Chemical Industries Council of Illinois Davidson Award, Sigma Xi Outstanding Teacher Award, Those Who Excel Award Illinois, Tandy Technology Scholar Award for Outstanding Teachers, Governors Master Teacher Award, and The Association of Science & Technology Centers Honor Roll of Teachers Award.

Marek is quick to point out that, while he appreciates the awards and enjoys the public appearances, it is many times in many ways more gratifying to hear from former students – whether at the local dry cleaners or in an email messages from now professors about the positive impact he has had on their lives. Lee Marek, the quiet scholar from the Chicago area, has become the exocharmic star for science to millions.

You can read more about Lee Marek at his website: www.chem.uic.edu/marek.

Written by RUSS JOHNSON
PUBLIC RELATIONS CHAIR

Previous Profiles in Chemistry articles are on Tom Kucera (June 2004) and Jim Shoffner (September 2004)

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

A GUIDE TO CHICAGO ATTRACTIONS

The Chicago Section, American Chemical Society welcomes you to Chicago. Our city planners laid out our city extremely well. Our streets are laid out north and south and east and west with a few crosscuts that go from the center of the city to the outlying areas. The intersection of State Street and Madison Avenue is the center of Chicago. North and South streets number zero at this point, as are East and West Streets.

Don't get lost! Directions to all sites are available in the Hospitality Center listed in your meeting program. Remember a few key points, such as, don't wear your name badge on the street, walk in well-lit areas at night, walk in groups at night, stay in areas where people are, and take normal big city precautions. If you are not sure where you are going, ask at the hotel or at the Hospitality Center. Most areas of Chicago or any big city is safe as long as you use common sense. We want you to have fun while remaining safe.

Among the other sources to get information about the city of Chicago are www.choosechicago.com and www.metromix.com. Also, you can get around the city on the CTA buses and trains (www.transitchicago.com), taxis (easily found), and the trolley system (runs daily the length of Michigan Avenue from Water Tower to the museum campus with connecting service to Navy Pier).

A special CityPass (www.citypass.com) is available for use up to 9 days at the Adler Planetarium, the Field Museum, the Art Institute of Chicago, the Museum of Science and Industry, the Hancock Observatory, and the John G. Shed Aquarium.

All information presented here is only a guide and the Chicago Section American Chemical Society does not have personal experience with all of the sites. We only present this for your convenience. Please visit the places' websites, check at your hotel, at the Hospitality Center, or call for the latest information on hours and admission price (if any) prior to visiting the places.

Here is a sampling of the variety of places to visit during your stay in Chicago.

SOME POINTS OF INTEREST

CHICAGO BOARD OF TRADE, 141 W. Jackson Blvd. (Between S. LaSalle St. and S. Financial St.), www.cbot.com. The Art Deco building is Chicago's equivalent to New York's

Wall Street. The world's oldest and largest futures and options exchange was founded by 82 merchants in 1848 to stabilize grain prices and create a regulated marketplace. Trading can be viewed from the 5th floor visitor's center.

CHICAGO BOARD OPTIONS EXCHANGE, 400 S. LaSalle St. (at W Van Buren), 800-678-4667. This is the country's largest exchange for trading stock options. Built in 1985 by Skidmore, Owning & Merrill, it has a pedestrian bridge that spans Van Buren Street to meet the Board of Trade. Visitors may watch the action from a 4th floor gallery.

CHICAGO CULTURAL CENTER, 78 E. Washington St. (at N. Michigan Ave.), 346-3278, www.cityofchicago.org/Tourism/CulturalCenter. Built in 1997 by Shepley, Rutan & Coolidge, the Boston firm commissioned to design the Art Institute of Chicago is an architectural beauty inside. This once was the main library in Chicago, which now offers lectures, concerts, films and an art gallery. The main entrance opens to a grand staircase made of white Carrara marble inlaid with marble and glass mosaics. The Museum of Broadcast Communications is also located in the building. The museum highlights national radio and television history, including an extensive library of rare tapes and kinescopes. Chicago's significant role in early broadcasting and advertising is also featured. Visitors can anchor their own news show (and buy a tape to take home), as well listen to radio show being broadcast and shop in the Commercial Break store.

CHICAGO MERCANTILE EXCHANGE, 30 S. Wacker (at W Monroe St.), 930-8249, www.cme.com. This is the city's most boisterous trading exchange. This exchange houses future and options on agricultural commodities, foreign currencies, interest rates, stock market indices and gold. Visitors may witness shouting, frantic hand signals and jumping up and down on the trading floor from the gallery.

CHICAGO WATER WORKS, 811 N. Michigan Ave. (between E. Chicago Ave. and E. Pearson St.), 744-2400. This Old Water Tower's Pumping House is the home of the Chicago Office of Tourism Visitor's Center. Stop by, get maps, and find out what special events are going on around the city.

GRANT PARK, bound by Lake Michigan, Michigan Ave., E. Roosevelt Rd., E. Randolph Dr., and E. Randolph St.

During the 1920's the park was built on landfill in accordance with Daniel Burnham's Chicago Plan of 1909. Throughout the summer, the Grant Park Concerts Society offers music under the stars at the Petrillo Music Shell. Also home to the park is Chicago Buckingham Fountain. In 1927, Kate Buckingham presented this fountain made of Georgian pink marble in honor of her brother Clarence, a trustee and benefactor of the Art Institute. During the summer months, the fountain features a colored light display.

JOHN HANCOCK CENTER, 875 N. Michigan Ave. (between E Chestnut Street and E. Delaware Place), 888-875-8439, www.hancock-observatory.com. This 327-foot building, built by Skidmore, Owning & Merrill in 1970, contains layers of retail, parking, office and residential space. While shorter than the Sears Tower, its Skydeck Observatory on the 94th floor offers views of the lake and the Loop. You can sit down to a meal in the Signature Room on the 95th floor. Both offer spectacular views at night or better yet, visit the massive Images Lounge on the 96th floor, where you can have a drink and the kids can have a soda and take in the same view for close to the same price as you'd pay for entry to the Observatory.

MILLENNIUM PARK, Michigan Ave. and Randolph St, 312-742-1168, www.millenniumpark.org. Located in the northwest corner of Grant Park, between Monroe and Randolph Streets along Michigan Avenue. Since its opening in July, 2004, Millennium Park has hosted millions of visitors. It is the result of a unique partnership between the City of Chicago and the philanthropic community. With its unprecedented combination of architecture, sculpture and landscape design, the 24.5-acre park features the work of world-renowned architects, planners, artists, landscape architects, and designers. There is a Welcome Center at 201 E. Randolph in the Northwest Exelon Pavilion that has information about the park, including maps and program schedules. Be sure to visit the 2.5-acre Lurie Garden while there. The garden pays homage to Chicago's motto, "Urbs in Horto" (City in a Garden), which refers to Chicago's transformation from its flat and marshy origins to a bold and powerful city.

NAVY PIER, 600 E. Grand Ave. (at N. Streeter Dr.), 595-7437, www.navypier.com. This 3,000 foot long municipal pier built in 1916 to serve both commercial and excursion boats. The US Navy

(continued on page 16)

(continued on page 15)

occupied it during World War II and then later it became the first Chicago campus for the University of Illinois. Today it is one of Chicago's major attractions with over 40,000 square feet of restaurants and retail shops. It houses a six-story glass atrium of the Crystal Gardens, a year-round, one-acre, indoor botanical park. There is also a Ferris Wheel that rises 150 feet and is modeled after the one built for 1893 Chicago's World Columbian Exposition. A Musical Carousel documents the history of the pier with hand-painted scenes on the rounding boards and 38 hand-painted animals depicting the history of the carousel. Also within Navy Pier is the Chicago Children's Museum and Navy Pier IMAX Theater. The theater contains 440 seats and an 80-foot wide screen.

PRAIRIE AVENUE HISTORIC DISTRICT, 1800 S. Prairie Ave. (between E. Cermak Rd. and E. 18th St.), 326-1480, www.glessnerhouse.org. After the 1871 fire, Chicago's leading entrepreneurs (i.e. Potter Palmer, Philip Armour, Marshall Field, George Pullman and John Glessner) built elegant mansions in every style in this area. Henry B. Clarke House is also known as the Widow Clarke House, which is an 1836 Greek Revival style home. It is the oldest surviving building to escape the Great Fire of 1871. John J. Glessner House was designed in 1886 by American architect Henry Hobson Richardson.

SEARS TOWER, 233 S. Wacker Dr. (between W. Jackson Blvd. and W. Adams St.), 875-9696, www.searstower.com. Built in 1974 by Skidmore, Owings & Merrill, the Sears Tower is North America's tallest building. The 1,454-foot building was the highest allowed by the Federal Aeronautics Administration at the time it was built. Take a ride to the 103rd floor, Skydeck Observatory for a spectacular view of the city. The Chicago Experience at the visitor's center is a multi-image slide show.

TRIBUNE TOWER, 435 N. Michigan Ave. (between the Chicago River and E. Illinois St.), 222-3080, www.chicagotribune.com. This building was designed by Hood & Howell came about from an international design competition held by the newspaper in 1922. At street level, the walls have embedded stones from famous and ancient monuments including pieces of the Parthenon, Notre Dame, and the Pyramids. In the north wall of the lobby is a

stone from the Cave of the Nativity in Bethlehem. A fully equipped WGN Radio Studio can be found at street level. You can watch local radio personalities through a glass window as they report on traffic, sports and business reports and converse with them by microphone when they are off the air. The newspaper is printed at the Freedom Center, 777 W. Chicago Ave. (between the Chicago River and N Halsted St.), 222-2116.

WATER TOWER, 800 N. Michigan Ave. (at E. Chicago Ave.), 744-2400. This is one of the few buildings to survive the Great Chicago Fire of 1871. Designed in 1869 by W.W. Boyington it is now a favorite Chicago site to see.

WRIGLEY BUILDING, 400 N. Michigan Ave. (at the Chicago River), www.wrigley.com/building. Built in 1922 by Graham, Anderson, Probst & White. This white terra cotta building with clock tower has been a landmark at the gateway to the Magnificent Mile. Housed inside are the corporate offices of the chewing gum company and Kenyon Oppenheimer, Inc., a gallery devoted to original prints by 19th century naturalist John James Audubon for available for purchase.

MUSEUMS

ART INSTITUTE OF CHICAGO, 111 S. Michigan Ave. (between E. Jackson Dr. and E. Monroe Dr.), 443-3600, www.artic.edu/aic/. Incorporated in 1879 for the purpose of maintaining a museum and a school of art, the institute grew steadily under the direction of Charles L. Hutchinson, first president of the Board of Trustees and president of the Corn Exchange. Two bronze lions unveiled in 1894, stand guarding the museum entrance. Discover forty centuries of human creativity through the permanent collections including acclaimed Impressionist and Post Impressionist collections. Don't miss the ever-popular Miniature Thorne Rooms that are 68 dollhouse scale recreations of period interiors. For children, visit the new Kraft Education Center with special family activities. Free-guided tours available each day; check with information desk.

CHICAGO HISTORICAL SOCIETY, 1601 N. Clark St. (at W. North Blvd.), 642-4600, www.chicagohistory.org. Designed in 1932 by Graham, Anderson, Probst & White, this is the 4th location since the society's founding in 1857. Among the museum's numerous holdings are one of the nation's largest 19th century women's costume collections, extensive artifacts from the Civil War and the Chicago Fire, as well as Chicago architectural records and drawings.

DUSABLE MUSEUM OF AFRICAN-AMERICAN HISTORY, 740 E. 56th Pl. (just east of S. Payne Dr.), 773-947-0600, www.dusablemuseum.org. This museum is named in honor of Chicago's first permanent settler, Jean Baptiste Point duSable, a Haitian of mixed African and European Parentage. Inside is an extensive collection of artifacts, photos, and paintings that trace the African-American's experience in America.

INTERNATIONAL MUSEUM OF SURGICAL SCIENCE, 1524 N. Lake Shore Dr. (between E. Burton Pl. and LaSalle Dr.), 642-6502, www.imss.org. The building was designed in 1918 by Howard Van Doren Shaw. Inside, 32 rooms of displays depict the history of surgery, including early methods as trepanning (drilling through the skull to release evil spirits), bloodletting by leech, wound-licking by serpent, cauterization with hot irons and boiling oil, bone-crushing orthopedic procedures, cesarean sections, amputations, and

(continued on page 17)

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much more. More modern exhibits include X-rays, laser surgery, anesthesia and pharmaceuticals.

MEXICAN FINE ARTS CENTER, 1852 W 19th St. (between S. Wood St. and S. Damen Ave.), 738-1503, www.mfacmchicago.org. This museum opened in 1967 as the first Mexican cultural center in the Midwest with ever changing exhibitions. The Tzintzuntzan gift shop sells outstanding Mexican arts and crafts.

THE MUSEUM CAMPUS, S Lake Shore Dr. and E. William McFetridge Dr.
1) The Field Museum, 922-9410, www.fieldmuseum.org. This museum was design by D.H. Burnham & Co. and Graham, Anderson, Probst & White to resemble a Greek temple and housed the 1893 Chicago World's Columbian Exposition natural history collection. Today it is home to the world famous Sue, the largest and most complete T. Rex discovered to date. Exhibits include an Underground Adventure, Inside Ancient Egypt, a New Living Butterfly Exhibit and much more. An excellent family adventure.

2) John G. Shedd Aquarium, 939-2426, www.sheddaquarium.org. This museum has the largest indoor aquarium with more than 6,000 aquatic animals. Visit the Coral Reef exhibit where divers enter this 90,000-gallon re-creation of a Caribbean coral reef and talk to visitors through a microphone while they feed sharks, sea turtles, eels, and hundreds of tropical fish. Don't miss the Seahorse Symphony exhibit, the 60,000-gallon penguin habitat.

The Oceanarium, which opens up to Lake Michigan as a backdrop, is home to beluga whales, sea otters, dolphins and seals. There are daily shows.

3) Adler Planetarium, 322-0300, www.adlerplanetarium.org. This pink granite dodecahedron was designed in 1930 by Earnest A. Grunsfeld Jr. as the country's first planetarium. Antique astronomical instruments are displayed, along with exhibits on navigation, history of exploration and space travel. The gem of the museum is the narrated Sky Show in the domed theater. This is a favorite of young and old alike.

MUSEUM OF CONTEMPORARY ART, 220 E. Chicago Ave. (at N Miles van der Rohe Way), 280-2660, www.mcachicago.org. Founded in 1967 to expand the Chicago art world beyond the boundaries imposed by the conservative Art Institute. This building opened in 1996 and covers 220,000 square feet which includes besides

exhibits, a museum shop, a 15,000 square foot studio classroom facility, a 15,000 volume art library and a 300 seat theater for film screening and lectures.

MUSEUM OF HOLOGRAPHY, 1134 W. Washington Blvd. (At N. May St.), 226-1007. This museum is filled with astonishing holographic images, as well as a medical exhibit, and much more.

MUSEUM OF SCIENCE AND INDUSTRY, E. 57th Dr. and S. Cornell Dr., 773-684-1414, www.msichicago.org. The museum was originally built as the Palace of Fine Arts, which was designed by Charles B. Alwood for the 1893 Chicago's World Columbian Exposition. After the Exposition closed, the building was used by the Field Museum until 1920. The museum's 14 acre contains sound, light and activity as visitors push buttons, operate computers, turn cranks, watch videos, and hear recordings. Attractions include a captured World War II German submarine, a high tech exhibit unlocking the mysteries of the human brain, a replica of a Southern Illinois coal mine, complete with a coal train and a hoist down a mine shaft, a simulated space shuttle ride, a walk along a turn of the century cobblestone street, Colleen Moore's Fairy Castle, a full size United Airlines Boeing 727 and a fully restored "silver streak" San Francisco Zephyr train. Within the Henry Crown Space Center are Apollo 8 and Aurora 7 Mercury spacecraft, plus a five story, 76-foot wide screen Omnimax Theater. A real thrilling place for families, although you don't have to be a child to enjoy it.

POLISH MUSEUM OF AMERICA, 984 N. Milwaukee Ave., 773-384-3352, www.prcuofa.org. Located on the upper floor of the Polish Roman Catholic Union of America, it is the oldest and largest ethnic museum in the US and contains an extensive collection of fine arts and historical artifacts.

ORIENTAL INSTITUTE, 1155 E. 58th St. (between S. Woodlawn Ave. and S. University Ave.), 773-702-9520, www.oi.uchicago.edu/oi. The building was designed in 1931 by Mayers, Murray & Phillips to house a world-class collection of treasures of treasures dug up in Iraq, Turkey, Syria and Palestine. The pieces date from 9000 BC to 900 AD and include clay tablets, papyrus scrolls, well-preserved mummies, a statue of King Tut, and much more. The Suq museum store carries authentic reproduction jewelry, gifts and books. Guided tours available with advanced reservations.

SPERTUS MUSEUM OF JUDAICA, 618 S. Michigan Ave. (between E. Balbo Dr. and E. Harrison St.), 922-9012, www.spertus.edu. The largest Jewish museum in the Midwest has an excellent collection of religious and decorative art objects that represent Jewish life and culture through the centuries. The Rosenbaum Artifact Center is a unique, hands-on exhibit that allows children and grown-ups to play archaeologists in the ancient Near East.

SWEDISH-AMERICAN MUSEUM CENTER, 5211 N. Clark St., 773-728-8111, www.samac.org. Tiny, but welcoming, this museum has an ever-changing exhibit on the art and culture of Sweden. A gift shop sells Swedish books, greeting cards, place mats, craft items, tablecloths and candelabra.

CHICAGO CHILDREN'S MUSEUM, 600 E. Grand Ave., Navy Pier, 527-1000, www.chchildrensmuseum.org. Three floors of hands-on exhibits include a three-story schooner, Face to Face (exhibit dealing with prejudice and discrimination), Dinosaur Expedition, PlayMaze (for pre-schoolers), Treehouse Trails (for toddlers) and Kraft Artabounds Studio.

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LIBRARIES

JOHN CRERAR LIBRARY, 5730 S. Ellis Ave., 773-702-7409, www.lib.uchicago.edu/e/crerar/. This library was built in 1984 by Stubbins Associates and Loebi Schlossman & Hacki. The Crerar has one of the most extensive science collections in the world, one million volumes in pure and applied sciences, from agriculture to zoology.

NEWBERRY LIBRARY, 60 W. Walton St. (between N. Dearborn St. and N. Clark St.), 943-9090, www.newberry.org. The building was designed in 1892 by Henry Ives Cobb in a Romanesque Revival style. The climate-controlled library has 1.4 million books, 5 million manuscript pages and 75,000 maps. Subjects span Western Europe and the Americas from the Middle Ages to the 20th century. It houses one of the finest collections of genealogical data in the country.

HAROLD WASHINGTON LIBRARY CENTER, 400 S. State St., 747-4050,

www.chipublib.org/001hwlc/001hwlc.html. In 1991, this became the world's second largest public library designed by Hammond, Beeby & Babka in a Neo-Classical structure. Named after the city's first African-American mayor, who was a bookworm. There is an 18,000 square foot children's library, a 400-seat auditorium/theater, special collections on Chicago theater, the Civil War, and Harold Washington himself. Free tours and a video overview are available in the Orientation Theater on the 3rd floor.



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BROADWAY IN CHICAGO

Chicago has lately been called "Ozmopolitan" due to the musical, WICKED – the untold story of the witches of Oz. This Grammy and Tony-award-winning musical "blew in like a tornado at the Ford Center for the Performing Arts, Oriental Theatre in 2005 and shows no signs of stopping." It has been called "the most popular piece of Chicago theatre in a generation" by the *Chicago Tribune*, due to its routinely sold out performances.

Getting tickets early can be the key to including WICKED as part of your Chicago visit. Ask about Tuesday and Wednesday performances. The Ford Center for the Performing Arts, Oriental Theatre is at 24 West Randolph. For more information, visit the Web site at www.wickedthemusical.com/Chicago or call 312-902-1400.

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DINING IN CHICAGO

Here is a very small sample of the restaurants in the Chicago area.

17WEST AT THE BERGHOFF - 17 W. Adams St., 312-427-3170; Mostly German cuisine; Located by the Art Institute; Lunch: 10:45 a.m.- 4 p.m. Mon-Fri; 11:30 a.m.- 4 p.m. Sat; Dinner: 4 p.m.- 9 p.m. Mon-Wed; 4 p.m.-10 p.m. Thu-Fri; \$8-\$15; www.17westchicago.com

ABBEY PUB & RESTAURANT - 3420 W. Grace St., Irish/American fare, 10 a.m.-2 a.m. Mon-Fri; 8 a.m.-3 a.m. Sat; 8 a.m.-2 a.m. Sun; \$5-\$25, Reservations accepted

BEN PAO - 52 W. Illinois St., 312-222-1888; Asian cuisine; Lunch: 11:30 a.m.- 4 p.m. Mon-Fri; Dinner: 4 p.m.-9:30 p.m. Mon-Thu; 4 p.m.-11 p.m. Fri; 5 p.m.-11 p.m. Sat; 5 p.m.-9 p.m. Sun; \$8-15; Reservations recommended; www.benpao.com

BERGHOFF CAFÉ - 17 W. Adams St., 312-427-3170; Mostly German cuisine; Located by the Art Institute; opened for lunch only 11 a.m. - 2:30 p.m. Mon-Fri; \$13 and under; www.berghoff.com

BILLY GOAT TAVERN - 430 N. Michigan Ave., 312-222-1525; American cuisine; Serves "cheezborgers, cheezborgers" made famous by John Belushi on Saturday Night Live; 6 a.m.- 2 a.m. Mon-Fri; 10 a.m.-3 a.m. Sat; 11 a.m.-2 a.m. Sun; \$13 and under; there is also one at Navy Pier (600 E. Grand Ave.)

BOSTON BLACKIE'S - 164 E. Grand, 312-938-8700; American cuisine; lunch and dinner; 7 a.m. - 10 p.m. Mon-Fri; \$13 and under; Reservations accepted for parties of 6 or more; \$8-\$15; www.bostonblackies.com

BRASSERIE JO - 59 W. Hubbard St., 312-595-0800; French cuisine; 5 p.m.- 10 p.m. Sun-Thu, 5 p.m.-11 p.m. Fri-Sat; \$15-25; Reservations accepted.

CAFÉ BIONDA - 1924 S. State St., 312-326-9800; Italian, Tuscan-style cuisine; South Loop; lunch and dinner; 11 a.m.-11 p.m. Mon-Fri; 11 a.m.-11 p.m. Sat; 11 a.m.-10 p.m. Sun; Reservations accepted; \$15-\$25.

CARSON'S RIBS - 612 N. Wells St., 312-280-9200; lunch and dinner; 11 a.m.-11 p.m. Mon-Thu; 11 a.m.-12:30 a.m. Fri; noon-12:30 a.m. Sat; noon-11 p.m. Sun; \$15-\$25; No reservations needed; www.ribs.com

CHEESECAKE FACTORY - John Hancock Building, 875 N. Michigan, 312-337-1100; variety of food and over 30 different cheesecakes; lunch, dinner, and Sunday brunch; 11 a.m.-11:30 p.m. Mon-Thu; 11 a.m.-12:30 a.m. Fri and Sat; 10 a.m.-11:30 p.m. Sun; \$15-\$25

CHICAGO FIREHOUSE RESTAURANT - 1401 S. Michigan Avenue, 312-786-1401; American cuisine; Convenient to McCormick Place, Near South Side, lunch and dinner; 11:30 a.m.-10 p.m. Mon-Thu; 11:30 a.m.-10:30 p.m. Fri; 5-10:30 p.m. Sat; 4:30-9 p.m. Sun; Reservations recommended; \$15-\$25; www.chicagofirehouse.com

DRURY LANE WATER TOWER - 157 E. Chestnut, 312-642-2500; Dinner theatre at the Water Tower, Gold Coast; www.drurylanewatertower.com

ED DEBEVIC'S - 640 N. Wells, 312-664-1707; 1950s style diner, breakfast, lunch, and dinner; 11 a.m.- 9 p.m., Mon-Thu; 11 a.m. - 11 p.m., Fri-Sa; 11 a.m. - 10 p.m., Sun; Breakfast: 9-11 a.m., Sat-Sun; \$8-\$15; No reservations needed; www.eddebevics.com

FOGO DE CHAO - 661 N. LaSalle St., 312-932-9330; This is one of three Brazilian steakhouses in Chicago (others are Brazzaz, The Brazilian Steakhouse, and Sal & Carvao Churrascaria); Lunch: 11 a.m.-2 p.m. Mon-Fri; Dinner: 5 p.m.-10 p.m., Mon-Thu; 4 p.m.-10:30 p.m., Fri-Sat, 4 p.m. - 9:30 p.m., Sun; \$25 and up; Reservations recommended; www.fogodechao.com

GINO'S EAST - 633 N. Wells St., 312-266-5421 (private parties line); Chicago-Style deep dish pizza; lunch and dinner; 11 a.m.-10 p.m. Mon-Thu; 11 a.m.-11 p.m. Fri-Sat; noon-9 p.m. Sun; \$8-\$15; Reservations recommended for parties over 14; www.ginoseast.com

HARD ROCK CAFÉ - 63 W. Ontario, 312-943-2250, American cuisine; lunch and dinner; 11 a.m.-11 p.m. Sun-Thu, 11 a.m.-midnight Fri-Sat; \$8-\$15; www.hardrock.com

HARRY CARAY'S RESTAURANT - 33 W. Kinzie St., 312-828-0966, Italian steakhouse; Harry Caray was a broadcaster for the Cubs, White Sox, and St. Louis Cardinals baseball teams; Lunch: 11:30 a.m.- 3 p.m., Mon-Sat; Dinner: 5 p.m. - 10:30 p.m., Mon-Thu; 5 p.m.-11 p.m., Fri-Sat, 4 p.m. - 10, Sun; \$15-25; Reservations accepted; www.harrycarays.com

HEAVEN ON SEVEN - 600 N. Michigan (312-280-7774) or 111 N. Wabash (312-263-6443); Cajun and Creole cuisine, Gold Coast or Loop; lunch, dinner, Saturday and Sunday brunch; 11 a.m.-10 p.m. Sun-Thu; 11 a.m.-11 p.m. Fri-Sat; \$8-\$15; Reservations accepted; www.heavenonseven.com

HOUSE OF BLUES - 329 N. Dearborn, 312-923-2000, Cajun and Creole cuisine; Lunch: 11:30 a.m.-5 p.m. Mon-Sat; Dinner: 5 p.m.-10 p.m. seven days; Late Night Menu: served until 3 a.m. seven nights a week; Reservations accepted

LAWRY'S THE PRIME RIB - 100 E. Ontario St., 312-787-5000; Lunch: 11:30 a.m.-2 p.m. Mon-Fri; Dinner: 5 p.m.-10:30 p.m. Mon-Thu; 5 p.m.-11 p.m. Fri-Sat; 3 p.m.-10 p.m. Sun; \$25 and up; Reservations recommended; www.lawrysonline.com

MAGGIANO'S LITTLE ITALY - 516 N. Clark St., 312-644-7700; Mostly Italian cuisine but menu has prime steaks and fresh fish; lunch and dinner; 11:30 a.m.-10 p.m., Mon-Thu; 11:30 a.m.-11 p.m., Fri-Sat; noon-10 p.m. Sun; \$8-\$15; Reservations recommended; www.maggianos.com

MCCORMICK AND SCHMICK'S - 41 E. Chestnut St., 312-397-9500; Seafood; lunch and dinner; 11:30 a.m. - 11 p.m., Mon-Thu; 11:30 a.m. - 12:00 a.m., Fri-Sat; 11:30 a.m. - 10:00 p.m., Sun; \$15-25; Reservations accepted; www.mccormickandschmicks.com

MIKE DITKA'S (IN THE TREMONT HOTEL) - 100 E. Chestnut St., 312-587-8989, American cuisine; Mike Ditka was a former Chicago Bears football player and the coach of the 1986 Super Bowl champions; lunch, dinner, and Sunday brunch; 11 a.m.-11 p.m., Mon-Sat; 10 a.m.-10 p.m., Sun; Late night menu available until midnight Mon-Sat; Brunch: 10 a.m.-2 p.m., Sun; \$15-\$25; Reservations recommended; www.mikeditkaschicago.com

MORTON'S, THE STEAKHOUSE - 1050 N. State St., 312-266-4820, dinner only; 5:30 p.m.-11 p.m., Mon-Sat; 5 p.m.-10 p.m., Sun; \$25 and up; Reservations highly recommended; www.mortons.com

PARTHENON - 310 S. Halsted, 312-726-0673; Greek cuisine; lunch and dinner; 11 a.m.-1 a.m. Sun-Fri; 11 a.m.-2 a.m. Sat; \$8-\$15; Reservations recommended for 6 or more; www.theparthenon.com

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PIZZERIA UNO - 29 E. Ohio, 312-943-4041, where Chicago-Style pizza was born; No reservations needed. Lunch and dinner; 11:30 a.m.-1 a.m. Mon-Fri; 11:30 a.m.-2 a.m. Sat; 11:30 a.m.-11:30 p.m. Sun; www.unos.com

QUARTINO - 626 N. State St., 312-698-5000; Italian, casual dining; small plates; lunch and dinner; 11 a.m.- 1 a.m. daily; \$8-\$15; Reservations accepted; www.quartinochicago.com

ROSEBUD ON RUSH - 720 N. Rush St., 312-266-6444; Italian cuisine; lunch and dinner; 11 a.m.-11 p.m., Mon-Thu; 11 a.m.-11:30 p.m., Fri-Sat; noon-10 p.m., Sun; \$15-\$25; Reservations highly recommended; www.rosebudrestaurants.com

RUTH'S CHRIS STEAK HOUSE - 431 N. Dearborn Parkway, 312-321-2725, lunch and dinner; 11:30 a.m.-11 p.m. Mon-Fri; 4 p.m.-midnight Sat; 4 p.m.-10 p.m. Sun; \$25 and up; Reservations recommended; www.ruthschris.com

SEASONS (IN THE FOUR SEASONS HOTEL) - 120 E. Delaware, 312-280-8800; American cuisine; Lunch (Mon-Sat), Dinner (Mon-Sun), and Sunday Brunch; \$25 and up; Reservations recommended; www.fourseasons.com

SIGNATURE ROOM, JOHN HANCOCK BUILDING - 875 N. Michigan Avenue, 312-787-9596; American cuisine; Lunch buffet 11 a.m.-2:30 p.m., Mon-Sat for \$18; enjoy the best view of the Chicago skyline from the 95th floor; Near North-Gold Coast; Dinner: 5 p.m.-10 p.m., Sun-Thu; 5 p.m.-11 p.m. Fri-Sat; \$25 and up for dinner; www.signatureroom.com

SZECHWAN RESTAURANT - 625 N. Michigan Avenue, 312-642-3900; Chinese cuisine; Daily 11:30 a.m.-10 p.m.; \$8-15; Reservations accepted

CHICAGO SECTION CHAIRS

1895	Frank Julian	1946	R.K. Summerbell
1896	Frank Julian	1947	H.C. Robinson
1897	William Hoskins	1948	C.L. Thomas
1898	J.P. Grabfield	1949	Walter M. Vrbain
1899	C.E. Linebarger	1950	Byron Regal
1900	Warren R. Smith	1951	R.F. Marchner
1901	Felix Longfeld	1952	Jules D. Porsche
1902	Edward Gudeman	1953	Marrin C. Rogers
1903	W.A. Puckner	1954	Herman S. Bloch
1904	Julius Stieglitz	1955	Lloyd M. Cooke
1905	William Brady	1956	Hoylande D. Young
1906	Herbert N. McCoy	1957	Gordon T. Peterson
1907	Warren R. Smith	1958	LeRoy W. Clemence
1908	W.D. Richardson	1959	Bernard S. Friedman
1909	W.A. Converse	1960	Raymond P. Mariella
1910	T.J. Bryan	1961	Wayne Cole
1911	S.T. Mather	1962	F. Leo Kauffman
1912	A. Lowenstein / J. Stieglitz	1963	Gifford W. Crosby
1913	Harry McCormick	1964	Edmund Field
1914	Otto Claenschimi	1965	J. Fred Wilkes
1915	W.D. Harkins	1966	Charles K. Hunt
1916	A.V.H. Mory	1967	Roy H. Bible, Jr.
1917	L.M. Tolman	1968	Fred Klepetar
1918	L.V. Redman	1969	Thomas H. Donnelly
1919	L.V. Redman	1970	Thomas J. Kucera
1920	F.W. Willard / W. Lee Lewis	1971	Ellis K. Fields
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1925	D.K. French	1976	James P. Shoffner
1926	Paul N. Leech	1977	Claude A. Lucchesi
1927	S.L. Redman	1978	George Brubaker
1928	B.B. Freud	1979	Stanley W. Drigot
1929	Ward V. Evans	1980	Margaret L. Huston
1930	H.I. Schlesinger	1981	Jay Curtice
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1932	David Klein	1983	Thomas P. Whaley
1933	Lee F. Supple	1984	Herbert S. Golinkin
1934	Walker M. Hinman	1985	Stephen Sichak
1935	Arthur Guilladeu	1986	Adele L. Rozek
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1937	Jacques C. Morrell	1988	Russell W. Johnson
1938	Charles D. Hurd	1989	L. Jewell Nicholls
1939	Cary R. Wagner	1990	Fran K. Kravitz
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ALMA E-NEWS

Managing Personal Risk Factors

It is ironic that the same lab managers who are so aware of the safety risks of their staff are often the same ones who are blind to risks in their own jobs. Managers are typically very cognizant of safety issues associated with the chemicals, instruments, and tools used in the labs and are diligent in managing operations to minimize risk. Yet many ignore the risk factors associated with management such as stress from dealing with conflict, mental fatigue from sedentary activities such as long meetings, weight problems from irregular dietary habits, depression over inability to resolve problems, isolation, and a host of other negative forces that are accepted as "just part of the job". Few would argue that, over time, this lifestyle can take a toll on health but many lack the discipline to maintain even a modest remedial program such as 20 minutes of brisk walking at least three times per week.

We need a system to encourage us to actually follow a preventative regimen just as we have a system to encourage our staff to work safely. Since most of us rely on the appointments in our Outlook calendar, PDA, or other scheduling program, we can take advantage of these ingrained habits to encourage discipline in our health program.

Simply schedule exercise time in your calendar the way you would any other appointment so that it is a planned activity. Then, when the reminder pops up, get away from your desk and take a break for your health.

If you have any comments, cost saving suggestions, or opinions, contact me at the email address below.

Past ALMA (Analytical Laboratory Managers Association) e-News articles by Dr. Wayne Collins, a former ALMA President, are available at the website <http://www.labmanagers.org/>. This article is from the March 2003 edition.

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CHICAGO SECTION'S "CHEMSHORTS FOR KIDS"

Since 1992, Kathleen A. Carrado Gregar, a chemist at Argonne National Laboratory and a member of the Elementary Education Committee of the Chicago Section ACS, has written a monthly column called "ChemShorts for Kids" for *The Chemical Bulletin*. The purpose of the column is help increase the science literacy of young children. This column quickly became our feature column and continues to be our most popular, regular column. These fun and educational hands-on experiments have been passed on by our readers to their children and grandchildren as well as to elementary school teachers. To date, 151 experiments have published in *The Chemical Bulletin*. Refer to page 13 of this issue for the latest "ChemShorts for Kids" article.

Here is the list of topics that have been covered through the years:

1992

The Naked Egg (January)
Dancing Raisins (February)
Green Pennies (March)
Operation Glue (April)
Dyed-in-the-Wool (May)
Cola Experiments (June)
Magic Writing (September)
Magic Colors (October)
Carbon Dioxide Tests-Limewater (November)
Carbon Dioxide Tests-Chemical Breath (December)

1993

Floaters and Sinkers (January)
Staying Dry (February)
Money, Munchies, and Magnetism (March)
Tangled Molecules (April)
Crystal Cubes and Needles (May)
Really Food Coloring (June)
Totally Tubular Plants (Aug-Sept)
Aluminum Trivia (October)
Giant Bubbles (November)
An Incredible Edible Landfill (December)

1994

Designer Safety Goggles (January)
A STAMPede! (February)
Fossil Frenzy (March)
How Sweet It Is! (April)
It's Slime Time! (May)
Homemade Fire Extinguisher (June)
Recreational Recyclables (September)
Green Blobs from Steel Wool (October)
YUK! Chemical Reactions in Your Mouth (November)
ACK - IT'S GACK (December)

1995

Homemade Ice Cream (January)
Candy Chromatography (February)
Bubble Trouble with Hard Water (March)
Popcorn Science (April)
Tearible Tissues (May)
Ecofoam vs. Styrofoam (June)
The Colors of Light (Aug-Sept)
A Real Lifesaver (October)
Science of Soap Bubbles (November)
The "Bad" Taste of O.J. (December)

1996

Indigo Imprints (January)
Bubble Gum Chemistry (February)
Sugar and Spice (March)
Leak Busters (April)
The Art of Bleaching (May)
Light on a Stick (June)
The Fungus Among Us (September)
The Bends (October)
It's Clay-Time (November)
It's Glass-Time (December)

1997

An Active Volcano (January)
Making Paper (February)
Lemon Battery (March)
Spicy Perfume (April)
A Rock Tester (May)
A Do-It-Yourself "Milk" Shake (June)
What's the Matter? (September)
Homemade Lemon-Lime Soda (October)
Apples with Appeal (November)
Floating Peanuts (December)

1998

Ocean in a Bottle (January)
Fantastic Plastic (February)
Wax 'n Wash (March)
Magic Sand (April)
Food for Thought (May)
Periodic Table Fun (June)
Compounds vs. Mixtures (September)
Chemistry in a Teabag (October)
Dinosaur Science (November)
"D" is for Dissolve (December)

1999

Density Displays (January)
A Viscosity Race (February)
Color Drops (March)
Cabbage Chemistry - pH Tests (April)
Epsom Salt Towers (May)
The Incrediblob (September)
Clearly It's Vitamin C (October)
Egg Engraving (November)
Teflon: A Guinness Record Holder (December)

2000

Kevlar: The Millennium Molecule (January)
Crayon Chemistry (February)
The Chemistry Behind "Magic" Pens (March)
A Shape Memory Metal (April)
Pictorial Guide to Molecules (May)
Testing the Texture of Toothpaste (June)

The Science of Money (October)
A Silicate Garden (November)
Yeast Chemistry - Part I of III (December)

2001

Yeast Chemistry - Part II of III (January)
Experiments with Yeast - Part III of III (February)
Fizzy Fun (March)
ChemLinks for Kids (April)
A Medical Membrane Mimic (May)
A Magnesium Marvel (June)
Proteins and Hard Boiled Eggs (Aug-Sept)
An Elementary Game (October)
Chemistry & Art - Frescoes (November)
Christmas Chemistry (December)

2002

Icy Explorations (January)
Penny Popper (February)
Soda Science (March)
Heat Packs and Supercooling (April)
Lightening with Lemons (May)
Chalky Chromatography (June)
A Potato Power Plant (September)
Cookie Coal Mining (October)
Salt Crystal Garden (November)
Water Water Everywhere (December)

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2003

Hard Water Test (January)
Silly Putty (February)
A Chemical Counterfeit Test (March)
Pencil Chemistry (April)
Ink Chemistry (May)
Helium vs. Air Balloons (June)
Thermite - A Solid Reaction (September)
JELL-O: Chemistry in a Box (October)
Candy Clouds (November)
Food Wraps (December)

2004

Honey, it's Chemistry! (January)
Stinky Chemistry (February)
Black Lights & Phosphors (March)
Fun with Ferrofluids (April)
Goopy Worms (May)
Ripening Fruit (June)
Mentos Mayhem (September)
Parts Per Million Lab (October)
A Chemistry Pie (November)
The Power of Tiny Bubbles (December)

2005

Aspirin Tummy Test (January)
Glitter Slime (February)
Bath Bubblers (March)
The Nose Knows! (April)
The Measure of A Molecule (May)
Making Sandstone (June)
Stained Glass from Glue (September)
T-shirt Chromatography (October)
Science Fair Project Resources (November)
A Chemical Artist (December)

2006

A Kid's Lava Lamp (January)
A Borax Snowflake (February)
Metal Mania – Part I (March)
Metal Mania – Part II (April)
Fudge Factor (May)
Pepper Tension (June)
A Silver Tarnish Dip (September)
Some Like it Hot — Some Like it Cold (October)
Leafy Chromatography (November)
Xmas Tree Preservative (December)

2007

A Dry Ice Demo (January)
Cooking with Copper Chemistry (February)
Alka-Seltzer Surface Area (March) –see page 13 in this issue

To read the full articles online, go to <http://membership.acs.org/C/Chicago/ChmShort/kidindex.html>

Note: All chemicals and experiments can entail an element of risk. No experiments should be performed by children without proper adult supervision.

KILPATRICK LECTURER FOR SECTION MEETING

The Chicago Section Board acted at its January 2007 meeting to accept the offer of the Illinois Institute of Technology's Chemistry Division to share its Kilpatrick Lecturer as the principal speaker at its regular February Section meetings. This follows the pattern established by regular joint programming with Northwestern University (Basolo Lecture) and the University of Chicago (Stieglitz Lecture).

Martin and Mary Kilpatrick came to IIT in 1947 to evolve the then modest service department to a full blown undergraduate and graduate university chemistry department. Over the next 13 years, Martin led the growth of the department to 24 tenured and tenure track professors, 100 undergraduate chemistry majors and 80 full time graduate students and post doctoral associates. Chemistry became the crown jewel of IIT providing a model for how to move into Ph.D. level, externally-supported fundamental research.

Then IIT president Henry Heald (who subsequently left IIT to head up the Ford Foundation) responded to Kilpatrick's condition that he would accept the chair position if Heald were to give him Wishnick Hall -- one of the first new buildings following Mies van der Rohe's master plan for IIT's campus. Clearly Heald had been impressed with Martin as that building was originally to house the chemistry and biology departments, the higher-level administrative offices, and laboratory space for the Armour Research Foundation.

When Martin had to retire (at 65), we scanned the ACS Directory of Graduate Research for candidates and the name Arthur Martell jumped out. He was nominated, hired and began the process of continuing the enhancement of Chemistry at IIT.

Shortly after Martell took over, he instituted the Martin and Mary Kilpatrick Lecture Series in honor of Martin's stellar achievement. The first Lecturer was Ronald Percy Bell in 1965 and the program has continued annually ever since.

In 1988, we raised an endowment to support the Kilpatrick lecture series in perpetuity. The first two Kilpatrick lecturers so supported were Jackie Barton (in 1989, stopping over on her move from Columbia University to Cal Tech), followed a year later by Mark Wrighton, then Provost at MIT (soon to become Chancellor at Washington University).

The most recent Kilpatrick Lecturer (this past October) was Naomi Halas of Rice University, lecturing on metal plated nanospheres and their applications in medical diagnoses and treatment.

We look forward to working with the Chicago Section toward enhancing Chemistry in metro Chicago.

PETER LYKOS
IIT

DEADLINES FOR CHEMICAL BULLETIN

Please submit all *Chemical Bulletin* copy to the editor before the deadlines listed below for each issue. Articles can be emailed to the editor, Cheryl Bradley, cbrad1027@aol.com.

Since we like the Bulletin to be as timely as possible, we need the lead time indicated. You can help by early planning and submission of your information or articles.

2007 Issue	Deadline
May	March 23
June	April 27
September	July 13
October	August 24
November	September 21
December	October 1

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CALENDAR

March 16: Chicago Section's Public Affairs Award dinner and meeting at Café La Cave. **See details in this issue on page 11.**

March 20: Two-day Lab safety Short Course hosted by the Laboratory Safety Institute, Naperville, IL. For details, go to <http://www.labsafety.org>.

March 24: "Chemistry in action: It's Easy Being Green" community outreach project for upper elementary and middle school students [one of the ACS National meeting activities, cosponsored by the Committee on Community Activities], 11 AM to 1 PM, The Notebaert Nature Museum, 2430 N. Cannon Dr., Chicago.

March 25-29: The 233rd ACS National Meeting, Chicago, IL.

April 20: Chicago Section's monthly meeting. Gabriela Weaver, Purdue University, is the speaker. This will be a LUNCH MEETING.

April 22: Chemists Celebrate Earth Day - The theme is "Recycling – Chemistry Can".

May 18: Chicago Section's Gibbs Award banquet and meeting.

June 21: Chicago Section's monthly dinner meeting held jointly with YCC. **Note that this meeting is on a Thursday.** Ruth Ann Armitage, Eastern Michigan University, is the after-dinner speaker.

July 9-13: 59th Annual Inter/Micro 2007 Conference hosted by McCrone Research Institute on recent advancements in instrumentation, techniques and applications in microscopy, Millennium Knickerbocker Hotel, 163 East Walton Place, Chicago. For more information, contact Lauren Newbrough at 312-842-7100 or intermicro@mcri.org.

August 10-19: ACS Illinois Sections' cooperative tent project at the Illinois State Fair. For further information on this activity, contact the section office at (847) 647-8405.

August 19-23: The 234th ACS National Meeting, Boston, MA.

September 28: Chicago Section's monthly dinner meeting. Roald Hoffmann, Cornell University, is the after-dinner speaker.

October 19: Basolo Medal Award joint dinner meeting of the Chicago Section ACS and Northwestern University.

October 21-27: National Chemistry Week's 20th anniversary. The theme is "The Many Faces of Chemistry".

November 16: Chicago Section's Education Night dinner meeting. Zafra Lerman, Columbia College Chicago, is the after-dinner speaker.

December 7: Chicago Section's Holiday Party and dinner meeting. Peter Ludovice, Georgia Tech, is the after-dinner speaker.

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