

theCHEMICALbulletin

<http://chicagoacs.org>

MAY • 2008

**THE NINETY-SEVENTH PRESENTATION OF THE
WILLARD GIBBS MEDAL
(Founded by William A. Converse)
to
PROFESSOR CAROLYN R. BERTOZZI
sponsored by the
CHICAGO SECTION AMERICAN CHEMICAL SOCIETY
FRIDAY, MAY 9, 2008**

Carriage Greens Country Club
8700 Carriage Greens Drive
Darien, IL 60561
630-985-3400

From Chicago:

Take the Stevenson Expressway (I-55) west past the Tri-State Tollway (I-294) and exit north on Cass Avenue. Turn left on the North Frontage Road. Follow the frontage road alongside I-55 to Carriage Greens Drive. Turn right on Carriage Greens Drive and proceed to the country club.

From Milwaukee or the north:

Take I-94 East to I-294 South. Stay on I-294 to I-55 West. Go west to Cass Avenue. Exit northbound on Cass and turn left on the North Frontage Road. Follow the frontage road alongside I-55 to Carriage Greens Drive. Turn right on Carriage Greens Drive and proceed to the country club.

From Northern Indiana or the south:

Take I-294 North to I-55 West. Head west to Cass Avenue and follow the directions above.

Parking: Free

RECEPTION 6:00-7:00 P.M.
Hors-d'oeuvres
Champagne Punch and Non-alcoholic Punch

DINNER

7:00 P.M.

Dinner reservations are required. To reserve your tickets, please call the Chicago Section office at 847-647-8405 or register at <http://ChicagoACS.org> by Tuesday, May 6 and pay \$45 at the door, or fill out the reservation form on page 7 and mail it with your payment of \$45 by Wednesday, April 30 to the address given on the form. If you have not paid dues to the Local Chicago Section (\$15 per year), the price is \$47. Note: Professors must make reservations for their students (\$22.50).

(continued on page 2)

AWARD CEREMONY

8:30 PM

The Willard Gibbs Medal

Dr. David S. Crumrine, Chair
Chicago Section, ACS

Introduction of the Medalist

Presentation of the Medal and Citation

The Citation:

For profiling changes in cell surface glycosylation associated with cancer, inflammation and bacterial infection; for exploiting this information for development of diagnostic and therapeutic approaches; and for developing nanoscale technologies for probing cell

function and medical diagnostics.

Acceptance of the Award



Dr. Carolyn R. Bertozzi

T.Z. and Irmgard Chu Distinguished Professor of Chemistry and Professor of Molecular and Cell Biology, University of California, Berkeley

ACCEPTANCE ADDRESS

“Chemistry in Living Systems: Shedding Light on Glycans”

Abstract: A majority of cell surface and secreted proteins are posttranslationally modified by the addition of glycans. These complex structures can provide information regarding the state of health of cells or organisms. Indeed, changes in the structures of protein-

(continued on page 2)

(continued from page 1)

and cell surface-associated glycans are a hallmark of many cancers, chronically inflamed tissues, and microbial infections. The ability to probe glycosylation in living systems may therefore reveal new biomarkers of disease and provide new avenues for diagnostic imaging.

We are developing chemical technologies for visualizing glycans in living systems. As products of secondary metabolism, glycans are constructed from simple monosaccharide precursors. We exploit these metabolic pathways to incorporate bioorthogonal chemical reporters into glycans. The chemical reporters comprise small functional groups, such as the azide, that can be detected by covalent reaction with highly selective probes. New chemical reactions have been developed for this purpose, such as the Staudinger ligation with phosphines and strain-promoted [3+2] cycloaddition with functionalized cyclooctynes. Applications of the technique to the identification of cancer-associated glycan biomarkers and noninvasive imaging are currently being pursued.

THE MEDALIST

Carolyn Bertozzi is the T.Z. and Irmgard Chu Distinguished Professor of Chemistry and Professor of Molecular and Cell Biology at UC Berkeley, an Investigator of the Howard Hughes Medical Institute, and Director of the Molecular Foundry, a nanoscience institute at the Lawrence Berkeley National Laboratory. She completed her undergraduate degree in Chemistry from Harvard University in 1988 and her Ph.D. in Chemistry from UC Berkeley in 1993. After completing postdoctoral work at UCSF in the field of cellular immunology, she joined the UC Berkeley faculty in 1996.

Prof. Bertozzi's research interests span the disciplines of chemistry and biology with an emphasis on studies of cell surface glycosylation pertinent to disease states. Her lab focuses on profiling changes in cell surface glycosylation associated with cancer, inflammation and bacterial infection, and exploiting this information for development of diagnostic and therapeutic approaches. In addition, her group develops nanoscience-based technologies for probing cell function and for medical diagnostics.

NOTICE TO ILLINOIS TEACHERS

The Chicago Section ACS is an ISBE provider for professional development units for Illinois teachers. Teachers who register for this month's meeting will have the opportunity to earn up to 3 CPDU's.

REGISTER ONLINE for
Chicago Section
monthly meetings
www.ChicagoACS.org

(continued from page 1, column 2)

Tables of 10 may be reserved. If you request seating for a group, please include a list of names of the people in your group and their meal choices. Tickets and nametags will be available at the door. No refunds will be made after noon, on Tuesday, May 6.

THE MENU: Caesar Salad; a choice of Seared Medallions of Beef with Burgundy Reduction Sauce, Broiled Atlantic Salmon with Bearnaise Sauce, or Pasta Primavera; Twice Baked Potato and Whole Baby Green Beans; Peach Cobbler; Wine

Professional Micro-Elemental Services Since 1980



DESERT ANALYTICS

A Columbia Analytical Services, Inc. Company

- CHN ° O ° S
- Halogens ° Bomb Oxidation
- Metals ° ICP ° ICP/MS ° AAS
- Anions ° Ion Chromatography
- Dry Box ° Air Sensitive Samples
- Fuel Testing ° BTU ° Prox ° Ultimate °
- Sulfur ° Ash Analysis
- Inquire about other capabilities



CLIENT FOCUSED - QUALITY DRIVEN

WWW.DESERTANALYTICS.COM

Desert Analytics

3860 S. Palo Verde, Ste. 303
Tucson, AZ 85714

520.623.3381
thelab@desertanalytics.com
We accept VISA, MC & AMEX

SMALL BUSINESS INNOVATION RESEARCH PROGRAM

Are you starting a new science business? Finding funding for your innovative venture can be challenging. SBIR or Small Business Innovation Research is a program that will help jump start your new science business. iBIO, the Illinois Biotechnology Organization, provides workshops periodically throughout the year. For more information about the next SBIR seminar contact Ann Reed at iBIO Institute (ann.reed@ibioinstitute.org) or Lisa Kurek of Biotechnology Business Consultants (info@bioconsultants.com). The next iBIO Institute SBIR workshop will be held in Chicago this April. National conferences coming up are on July 22-23 in Atlanta, GA and Nov 12-14 in Hartford, CT (<http://www.sbir.gov/events/>).

For more details please read the summary of the January iBIO workshop, <http://www.ibio.org/members/only/atibio/2008-01/sbirworkshop.html>

IN THIS ISSUE

- 1 — Gibbs Banquet and Meeting
- 2 — Notice to Illinois Teachers
- 2 — Small Business Innovation Research
- 3 — ChemShorts for Kids: Periodic Tables
- 3 — Important Notice
- 3 — Join Us at the Fair!
- 4 — LAN
- 5 — Willard Gibbs Award
- 6 — Another Scientist in the House
- 6 — Science Debate 2008
- 6 — Send in Your Email Address!
- 7 — Gibbs Dinner Coupon
- 7 — Ad Index
- 8 — Calendar

"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.

Panoply of Periodic Tables

Kids, what is the most popular chart used by chemists? Elements are the building blocks of all matter, and currently there are about 117 different and unique atoms comprising the elements. There are many ways to arrange the chemical elements into a chart. Dmitri Mendeleev arranged rows and columns so that elements were grouped according to their recurring (periodic) properties. Mendeleev's table forms the basis for the modern periodic table of the elements, which lists the elements in order of increasing atomic number while grouping them according to periodic properties. But there isn't just one modern periodic table of the elements. Unless you want a table that is impossible to read, there is a limit to the number of facts provided on each table. Plus, there is more than one way to group the elements. That's why you'll find more than one periodic table of the elements here:

Clickable Periodic Table of the Elements -- (<http://chemistry.about.com/library/blperiodictable.htm>). Anne Marie Helmenstine has a favorite at this website. You can tell at a glance whether an element is a metal or non-metal, get its atomic number, determine its usual valence, and click on its symbol for detailed facts; there are also extra links provided. Other common variants can be found with simple internet searches; a nice one that is particular to our age group is http://www.chem4kids.com/files/elem_intro.html.

Printable Periodic Tables -- (<http://chemistry.about.com/od/periodictableelements/a/printperiodic.htm>). This is a collection of several different versions of the periodic table to which you can save or print.

Periodic Table Image Gallery -- (<http://chemistry.about.com/od/periodictables/ig/Periodic-Tables/>). This link has Mendeleev's original as well as variations like circular and spiral tables.

Groups of Elements Periodic Table -- (<http://chemistry.about.com/library/weekly/blgroups.htm>). If you click a link on this table you get information about the group to which the element belongs.

Fireworks Periodic Table -- (<http://chemistry.about.com/library/weekly/blfireworks.htm>). Clicking an element will tell you how it is used in fireworks and other pyrotechnic devices.

Periodic Table sorted by Abundance -- In the June 1998 column of "ChemShorts for Kids" we gave the reference to our article on an activity using the periodic table sorted by abundance on the Earth's surface: <http://membership.acs.org/c/chicago/ChmShort/CS98.html#6.98>

Edited by K. A. Carrado, Argonne National Laboratory

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

Toxicology Consulting

Medical Devices
Pharmaceuticals
Biologicals
Risk Assessments

Product Development
FDA Registration
Quality Assurance
Regulatory Compliance

Northup RTS

Sharon J. Northup, PhD, DABT
783 Ridge Road
Highland Park, IL 60035

Ph: 847-579-0049 Fax: 847-579-0052

Northuprts@aol.com
www.toxconsultants.com

DID YOU KNOW?

The Chemical Bulletin is online at
www.chicagoacs.org

May, 2008 Vol. 95, No. 5. Published by the Chicago Section of The American Chemical Society, Editorial Staff: Cheryl Bradley, Editor; Fran Kravitz, Associate 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.

IMPORTANT NOTICE

The Chemical Bulletin is changing!

Starting September 2008, primary distribution of *The Chemical Bulletin* will be an electronic version.

We will send you the link to each issue by email. You will have the option to not receive the email notification, and you will still be able to reach each issue through the Section web page. You also will still have the option of receiving a paper copy of *The Chemical Bulletin* for a small additional fee. More details will be given in *The Chemical Bulletin* and also at the Chicago Section web page: www.chicagoacs.org. We would also like to hear about your thoughts and guidance as we make this change; please send comments and questions to: change@mychemist.net.

JOIN US AT THE FAIR!

The Chicago Section, along with the other ACS Illinois Sections, again plans to have a cooperative tent at the Illinois State Fair **August 8-17** in Springfield, IL. Our joint-sections' tent activities provide information to the public on chemistry with demos, hand-on activities, literature, and give-aways. This fun and worthwhile outreach project gives us a chance to show the positive aspects of chemistry to many Illinois citizens and governmental leaders. **Last year, over 10,000 people visited our tent!**

We particularly need volunteers to help during the fair. Student affiliates and other student volunteers are welcomed! If you are interested in helping us for a few hours (you do get free admission to the Fair and free parking) — call the Section office at (847) 647-8405.

Posi-Trap™ Positive Flow Vacuum Inlet Traps



We've got the perfect trap for your system!

- Positive Flow
- No "Blow-By"
- Variety of Elements
- Positive Trapping
- Easy Changing
- Easy Cleaning

It's bye-bye to "blow-by" with Posi-Trap™. Unlike others, our filter is sealed at both the inlet and the exhaust so that all the particles must flow through the element. We've got the perfect trap for your system, and should your application change, simply choose from our wide variety of filter elements and you're back on-line! Protect your vacuum pump and system with Posi-Trap™ from MV Products.

For more information on these and other fine vacuum products contact



PRODUCTS

A Division of Mass-Vac, Inc.

247 Rangeway Road • PO Box 359 • North Billerica, MA 01862-0359
TEL 978-667-2393 FAX 978-671-0014 E-MAIL sales@massvac.com WEB www.massvac.com

Legislative Action Network

Have you ever wanted to provide your expertise in science to our Congressional representatives who are debating the merits of various potential laws? Approximately 320 of Chicago local section members contact our representatives in Congress to take time to actively and critically support science and society legislation. In part because of our members' involvement, last year, the "America Competes Act" was signed into law. This is a broad, discretionary piece of legislation, and individual programs will be authorized and funded as needed and requested. Recently, the House began considering a bill based on this legislation by Rep. Ruben Hinojosa authorizing funds to support high school Laboratories in High-Need Areas and ACS members have been asked to contact their House representatives in support of this legislation.

The American Chemical Society is committed to keeping its members informed of legislation that may impact the chemical enterprise and to bringing the expertise of ACS members to bear on science policy. The Legislative Action Network (LAN) is the Society's electronic grassroots program for updating members on federal legislation and facilitating contact with members of Congress. LAN members have access to act4chemistry.org, which provides science policy news and commentary plus links to the latest news articles on science policy matters.

Currently, the LAN gives over 14,500 ACS members an easy, effective way to voice opinions to legislators. It is one of the most effective groups in the ACS. In 2007, LAN members sent 10,000 letters to policy makers on issues like science and math education.

We urge all Chicago local section members to join the LAN. It's easy to do. Go to acs.org, under Policy and you will see a link to sign up.

BARB MORIARTY
JIM SHOFFNER

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.

THE WILLARD GIBBS AWARD

Founded by William A. Converse

The award was founded in 1910 by William Converse (1862-1940), a former chairman and secretary of the Chicago Section. The medal was named for Professor Josiah Willard Gibbs (1839-1903) of Yale University. Gibbs, whose formulation of the Phase Rule founded a new science, is considered by many to be the only American born scientist whose discoveries are as fundamental in nature as those of Newton and Galileo.

Mr. Converse supported the award personally for a number of years, and then established a fund for it in 1934 that has subsequently been augmented by the Dearborn Division of W. R. Grace & Co. J. Fred Wilkes and his wife have also made considerable contributions to the award.

Since the sale of the Dearborn/Grace division to Betz, the BetzDearborn Foundation, located in Horsham, Pennsylvania has most generously offered to continue the historic relationship between the Section and Dearborn.

This Foundation has contributed annually since the purchase toward the Willard Gibbs Medal Fund to help defray the cost of the medal and of the banquet itself-helping to make the banquet award the outstanding and gracious event that it is. We are most appreciative of their support.

The purpose of the award is "To publicly recognize eminent chemists who, through years of application and devotion, have brought to the world developments that enable everyone to live more comfortably and to understand this world better." Medalists are selected by a national jury of eminent chemists from different disciplines. The nominee must be a chemist who, because of the preeminence of his work in and contribution to pure or applied chemistry, is deemed worthy of special recognition.

The award consists of an eighteen-carat gold medal having, on one side, the bust of J. Willard Gibbs, for whom the medal was named. On the reverse is a laurel wreath and an inscription containing the recipient's name.

Given annually for ninety-six years, the recipients span nearly a century of chemistry. Most of the names are familiar to chemists regardless of specialty. This fame may result from later recognition, including, in many cases, the Nobel Prize. Another reason for the familiarity of these names may be that textbooks have permanently associated

many of these names with classic reactions or theories. In any case, the fame achieved by the Gibbs medalists has crossed the boundaries between chemistry specialties.

Svente Arrhenius	1911	Har Gobind Khorana	1974
Theodore W. Richards	1912	Herman F. Mark	1975
Leo H. Baekeland	1913	Kenneth S. Pitzer	1976
Ira Remsen	1914	Melvin Calvin	1977
Arthur A. Noyes	1915	W. O. Baker	1978
Willis R. Whitney	1916	E. Bright Wilson	1979
Edward W. Morley	1917	Frank Albert Cotton	1980
William M. Burton	1918	Bert Lester Vallee	1981
William A. Noyes	1919	Gilbert Stork	1982
F. G. Cottrell	1920	John D. Roberts	1983
Mme. Marie Curie	1921	Elias J. Corey	1984
Julius Stieglitz	1923	Donald J. Cram	1985
Gilbert N. Lewis	1924	Jack Halpern	1986
Moses Gomberg	1925	Allen J. Bard	1987
Sir James Colquhoun Irvine	1926	Rudolph A. Marcus	1988
John Jacob Abel	1927	Richard B. Bernstein	1989
William Draper Harkins	1928	Richard N. Zare	1990
Claude Silbert Hudson	1929	Gunther Wilke	1991
Irving Langmuir	1930	Harry B. Gray	1992
Phoebus A. Levene	1931	Peter B. Dervan	1993
Edward Curtis Franklin	1932	M. Frederick Hawthorne	1994
Richard Willstätter	1933	Sir John Meurig Thomas	1995
Harold Clayton Urey	1934	Fred Basolo	1996
Charles August Kraus	1935	Carl Djerassi	1997
Roger Adams	1936	Mario J. Molina	1998
Herbert Newby McCoy	1937	Lawrence F. Dahl	1999
Robert R. Williams	1938	Nicholas J. Turro	2000
Donald Dexter Van Slyke	1939	Tobin J. Marks	2001
Vladimir Ipatieff	1940	Ralph Hirschmann	2002
Edward A. Doisy	1941	John I. Brauman	2003
Thomas Midgley, Jr.	1942	Ronald Breslow	2004
Conrad A. Elvehjem	1943	David A. Evans	2005
George O. Curme, Jr.	1944	Jacqueline Barton	2006
Frank C. Whitmore	1945	Sylvia T. Ceyer	2007
Linus Pauling	1946		
Wendell M. Stanley	1947		
Carl F. Con	1948		
Peter J. W. Debye	1949		
Carl S. Marvel	1950		
William Francis Giauque	1951		
William C. Rose	1952		
Joel H. Hildebrand	1953		
Elmer K. Bolton	1954		
Farrington Daniels	1955		
Vincent du Vigneaud	1956		
W. Albert Noyes, Jr.	1957		
Willard F. Libby	1958		
Hermann I. Schlesinger	1959		
George B. Kistiakowsky	1960		
Louis Plack Hammett	1961		
Lars Onsager	1962		
Paul D. Bartlett	1963		
Izaak M. Kolthoff	1964		
Robert S. Mulliken	1965		
Glenn T. Seaborg	1966		
Robert Burns Woodward	1967		
Henry Eyring	1968		
Gerhard Herzberg	1969		
Frank H. Westheimer	1970		
Henry Taube	1971		
John T. Edsall	1972		
Paul John Flory	1973		

**Process
Technology
Engineering**

www.processtechnologyengineering.com

THINKY

THINKY mixers
Degas and Mix at the
same time in seconds.



Ask about our Free
Demonstration or Trial...
Develop a mixing solution in
your lab with your materials.

Contact:

Mike Pfeifer - 847-714-9214
mpfeifer@imetllc.com

Bill Kidder - 763-568-2992

BILL FOSTER WINS – ANOTHER SCIENTIST IN THE HOUSE

I followed the congressional race in the 14th Illinois congressional district with some interest because (1) it is nearby; (2) the former leader of the House Republicans, Dennis Hastert, was their representative until Republicans lost control of the house; and (3) a physicist was running as a Democrat to succeed Hastert. He was running against Jim Oberweiss, who lost the Republican primary election for Governor last year. The election was held on a Saturday, March 8, which is unusual for any election in Illinois.

It is always interesting when a scientist is running for office or gets involved in any way in politics, because public office is not one of those vocations that come to scientists as a natural part of their profession as it does for lawyers, and to a lesser extent, business people. This evening, (Tuesday, March 11), I just happened to turn on C-SPAN. Bill Foster ran, and won, the race to represent the 14th District and I watched as he was sworn in. He was elected to finish out the last 9 months of a 2-yr term, so he really won't have the chance to stop campaigning long enough to do much serious law-making.

I was curious, because I know there are several physicists in the House, but I know of no chemists. Two well known physicists who have been around for a while are Vern Ehlers (R, Mich, 3rd) and Rush Holt (D, NJ, 12th). I knew there were others, so I "Googled" and brought up a list of about a dozen legislators who have science, engineering, and medical backgrounds.

Oh yes, the site that gave me the list of representatives is called the "Curious Cat Science and Engineering Blog,"-- see below. The only chemist in this group is Rep. John W. Olver (D, MA). Rep. Olver has been in congress for a number of years. I'll certainly be watching this November to see if Bill Foster retains his seat.

<http://engineering.curiouscatblog.net/2008/03/09/scientists-and-engineers-in-congress/>

JIM SHOFFNER
PUBLIC AFFAIRS COMMITTEE CO-
CHAIR

**NEXT ISSUE IS
FOR THE
JUNE SECTION MEETING**

SCIENCE DEBATE 2008

As scientists, we know that science and technology lie at the center of a very large number of the policy issues facing our nation and the world - issues that will profoundly affect our national and economic security as science and technology continue to transform our lives. Many believe that in the coming years, the US could lose its edge without increasing its dependence on science and technology. Some of these science and technology issues include climate change, energy, stem cell research, scientific innovation and science education. A growing number of voters and scientists had been pushing for a Science Debate in April at the Franklin Institute in Philadelphia, PA. The date and location of this event coincided with the Pennsylvania primary of April 22. Whether the debate happened or not (and as of early March, none of the candidates had accepted and no television network had agreed to broadcast this debate) organizers insist that simply raising awareness of issues such as climate change serves a purpose. The American Chemical Society has signed on as one of the supporters of "Science Debate 2008." Please visit the website to get more information about the science debate and utilize every method to continue to advocate the use of science and technology in your deliberations prior to voting.

<http://www.sciencedebate2008.com/www/index.php>

DID YOU KNOW?

Soap has been around for 2,000 years. Archaeologists discovered an ancient soap-making area in Egypt that is about 3,500 years old. Before there was soap, people just washed with water or cleaned themselves with oil.

Put your business card here
Reach prospective clients by
advertising in *The Chemical Bulletin*

.....
For more information, call
the Section office (847) 647-8405
or e-mail at
chicagoacs@ameritech.net

YOUR SECTION NEEDS YOUR EMAIL ADDRESS!!

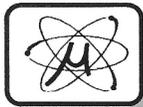
We need your e-mail address in order to better communicate with you. The Chicago Section is investigating ways to reduce the Section budget so more money can be used in member's programs such as education, community outreach, and other program areas. **One way is to change the *Chemical Bulletin* to an electronic version this year.** This does not mean there will not be a paper version of the *Chemical Bulletin*, but the idea is to reduce our printing and mailing costs.

Please send your e-mail address with your name, phone number, and ACS membership number to the Section office at chicagoacs@ameritech.net. If you change your email address, please let us know! We do not share this information with other organizations.

ERROR

We regret that the term "Abstract" in "Chemical Abstracts Service" was not always in plural in the March issue as is appropriate. We were unaware that we had done this until it was pointed out to us by a member of the CAS staff. Our sincere apology.

Jim Shoffner
Cherlyn Bradley



Micron Analytical Services

COMPLETE MATERIALS CHARACTERIZATION
MORPHOLOGY CHEMISTRY STRUCTURE

SEM/EDXA, TEM/SAED, EPA/WDXA, XRD,
XRF, ESCA, AUGER, FTIR, DSC/TGA
3815 Lancaster Pike Wilmington DE. 19805
Voice 302-998-1184, Fax 302-998-1836
E-Mail micronanalytical@compuserve.com
Web Page: www.micronanalytical.com



AMERICAN CHEMICAL SOCIETY CHICAGO SECTION
2008 WILLARD GIBBS MEDAL AWARD PRESENTATION



FRIDAY, MAY 9, 2008

You and your guests are cordially invited to attend the 97th presentation of the Josiah Willard Gibbs medal to Professor Carolyn Bertozzi, the T.Z. and Irmgard Chu Distinguished Professor of Chemistry and Professor of Molecular and Cell Biology, University of California, Berkeley, on Friday, May 9, at Carriage Greens Country Club, 8700 Carriage Greens Drive, Darien, IL 60561. A social hour begins at 6 PM. Dinner is served at 7 PM. Dr. Bertozzi's talk will begin at approximately 8:30 pm.

After a social hour with Hors-d'oeuvres and both Champagne Punch and Non-alcoholic Punch, dinner on this special occasion includes Caesar Salad; a choice of Seared Medallions of Beef with Burgundy Reduction Sauce, Broiled Atlantic Salmon with Bearnaise Sauce, or Pasta Primavera; Twice Baked Potato and Whole Baby Green Beans; and Peach Cobbler, as well as Wine.

To reserve your tickets, please call the Chicago Section office at 847-647-8405 or register at <http://ChicagoACS.org> by Tuesday, May 6 and pay \$45 at the door, or fill out the attached reservation form and mail it with your payment of \$45 by Wednesday, April 30 to the address below. If you have not paid dues to the Local Chicago Section (\$15 per year), the price is \$47. Tables of 10 may be reserved. If you request seating for a group, please include a list of names of the people in your group and their meal choices. Tickets and nametags will be available at the door. No refunds will be made after noon on Tuesday, May 6, 2008.

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

Margaret Stowell Levenberg
 Gibbs Arrangements Committee

.....cut here.....

Name _____ Affiliation _____

Address _____ Phone () _____

Email Address _____

tickets for ACS members & guests _____ (\$45.00/ticket) Nonmembers _____ (\$47.00)

tickets for students, unemployed members, and retirees (\$22.50/ticket) _____

Note: Professors must make student reservations.

dinners: Seared Medallions of Beef with Burgundy Reduction Sauce _____

 Broiled Atlantic Salmon with Bearnaise Sauce _____

 Pasta Primavera _____

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

Return with payment to: American Chemical Society, Gibbs Reservations
 7173 North Austin Ave., Niles, IL 60714

CHEMMATTERS

The December 2007 issue of *ChemMatters* magazine features articles such as "The Solid Facts about Trans Fats", "How the Cookie Doesn't Crumble...", and "Hindenburg: Formula for Disaster". A special web-only feature of the December 2007 issue is the translation of "Hindenburg: Formula for Disaster" into Spanish. Go to Chemistry.org and click on "publications".

Advertising Index

Company	Page	Telephone	URL
Desert Analytics	2	520-623-3381	www.desertanalytics.com
Northup RTS	3	847-579-0049	www.toxconsultants.com
Mass-Vac, Inc.	4	978-667-2393	www.massvac.com
Pro Tech Engineering	5	847-714-9214	www.processtechnologyengineering.com
Micron Inc.	6	302-998-1184	www.micronanalytical.com

CALENDAR

May 6-9: The Consumer Specialty Product Association (CSPA) Mid-Year Meeting, Chicago, IL. Contact Ann Wheeler at (202) 872-8110; email: awheeler@cspa.org. Website: www.cspa.org.

May 8: The Society for Applied Spectroscopy is hosting an all day workshop at the McCrone Group, 850 Pasquinelli Drive, Westmont, IL. The focus of the workshop is atomic spectroscopy (AA, ICP-AES and ICP-MS). **Registration deadline is May 2.** For more information, go to www.sas-chicago.org.

May 9: Chicago Section's Gibbs Award Banquet. See information and reservation coupon in this issue.

June 18 - July 2: 2008 Science History Tour to France. Contact Lee Marek at Lmarek@aol.com or Yvonne Twomey at ytwomey@mindspring.com.

June 20: Chicago Section's luncheon meeting. The Distinguished Service Award will be presented and the 50-year members will be honored.

June 24-26: 12th Annual Green Chemistry & Engineering Conference, Washington, D.C. For more information, call (202) 872-6102, email: greenchem2008@acs.org. Website: www.gcande.org.

July 7-11: 60th Anniversary Inter/Micro Conference focused on applied microscopy, hosted by the McCrone Research Institute will be held in Chicago at the Millennium Knickerbocker Hotel. For information, contact Lauren Logan at intermicro@mcri.org or go to www.mcri.org.

July 27-31: 20th Biennial Conference on Chemical Education, Bloomington, IN. For further information, email BCCE2008@indiana.edu. Website: bcce2008indiana.edu.

August 8-17: ACS Illinois Sections' cooperative tent project at the Illinois State Fair. For further information on this fun and worthwhile outreach activity, contact the Section office at (847) 647-8405.

August 17-21: The 236th ACS National Meeting & Exposition, Philadelphia, PA. Website: acs.org.

September 19: Chicago Section's Education Night jointly with Loyola University.

October 13: The International Coatings Expo: ICE 2008, Chicago, IL. For information, call (610) 940-0777. Website: www.coatingstech.org.

October 24: Basolo Medalist Lecture at Northwestern University and dinner at Zhivago's.

October 25: Chicago Section's Chemistry Day at Loyola University.

November 19: Stieglitz Lecture and Chicago Section Dinner Meeting jointly with University of Chicago.

December 12: Chicago Section's Holiday Party jointly with the Chemists' Club and Iota Sigma Pi.

CHICAGO SECTION, AMERICAN CHEMICAL SOCIETY
THE CHEMICAL BULLETIN
7173 NORTH AUSTIN
NILES, ILLINOIS 60714

**DO NOT DELAY
DATED MATERIAL**

Nonprofit Organization
U. S. POSTAGE
PAID
Chicago, IL
Permit No. 171