

## Matthew S. Platz, NSF, to speak on Photochemical Technology at April Dinner Meeting

At the CSW dinner meeting on April 14, Dr. Matthew S. Platz, Head of the Chemistry Division at NSF, will speak on, “The Development of Photochemical Technology that Improves the Safety of Blood Products Used in Transfusion Medicine.” More information about the dinner meeting can be found on page 2.

Matthew S. Platz joined The Office of Academic Affairs as a Faculty Fellow on August 1, 2005 and on July 1, 2006 became Vice Provost for Academic Policy and Faculty Resources at The Ohio State University. Platz obtained B.Sc. degrees in chemistry and mathematics from the State University of New York at Albany in 1973 and a Ph.D. in chemistry from Yale University in 1977. Following a post doctoral year at the University of Chicago he joined the faculty of The Ohio State University as an assistant professor of chemistry in 1978. Platz was promoted to associate professor in 1984, to full professor in 1990 and served as department chair from 1994-1999. He has won university awards for distinguished teaching and research and in 2001 he was named Distinguished University Professor of Chemistry.

Platz maintains an active research laboratory, which is funded by the National Science Foundation and the National Institutes of Health. His research has been recognized by the Cope Scholar award of the American Chemical Society and the Remsen Award. He has mentored well over a hundred undergraduate, graduate and post doctoral research students, published over 200 peer reviewed papers, edited two books, delivered over 200 invited lectures and holds over a dozen patents.



*Dinner meeting information and speaker abstract located on page 2*

## Attend MARM 2011, May 21-24, Abstract Deadline Extended

The Chemical Society of Washington Section of the American Chemical Society will host the 42nd Middle Atlantic Regional Meeting (MARM 2011) on the campus of the University of Maryland in College Park, Maryland from Saturday, May 21, to Tuesday, May 24. **The deadline for abstract submissions has been extended to April 11<sup>th</sup>.**



### TECHNICAL PROGRAM

Saturday, May 21st (morning symposia)

- *Supramolecular Chemistry and Molecular Recognition*
- *Advances in Organic Synthesis*
- *Nucleic Acid Chemistry*
- *Bioactive Small Molecule Design and Discovery*
- *Medicinal Chemistry of Anticancer Drugs*

Saturday, May 21st (afternoon symposia)

- *Synthetic Chemistry* (across the border)
- *Damage, Repair, and Mutation of DNA*
- *Frontiers of Structure and Dynamics Using NMR Spectroscopy*
- *Medicinal Chemistry of Anticancer Drugs*
- *Nanoparticle Metrology*

Sunday, May 22nd:  
Sunday morning is basically devoted to

career development, to grant writing and grant opportunities, and to education. Plenary sessions are Sunday afternoon.

Monday, May 23rd (morning symposia)

- *New Technologies for Lithium Ion Batteries* (for three half-days)
- *Chemistry of Graphitic Materials*
- *Advances in Terahertz and IR Spectroscopy*

Monday, May 23rd (afternoon symposia)

- *Redefining the Killogram and Avagadro's Number*
- *Metal-Mediated Small Molecule Activation and Functionalization*
- *Chemistry and Materials Composition of Cultural Heritage Materials*

# The Capital Chemist™



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## THE CHEMICAL SOCIETY OF WASHINGTON PRESENTS: *1102nd Dinner Meeting*

Thursday, April 14, 2011 6:00 p.m. Social Hour (Cash Bar)  
The Front Page Restaurant 7:00 p.m. Dinner (Location: Atrium)  
4201 Wilson Blvd. 8:00 p.m. Speaker, Dr. Matthew S. Platz, NSF  
Arlington, VA (Location: NSF Conference Room)

**COST** \$30.00 Members & guests, \$15 Students

**Menu includes:** Choice of Entrée: Fettuccini Alfredo; grilled chicken breast with homemade basil pesto; or flat iron steak with mashed potatoes; includes salad, and non-alcoholic beverages (Alcoholic beverages can be purchased separately.).

Make reservations\*\* by **Monday 12:00 noon**, April 11 2011, to the CSW office: [csw@acs.org](mailto:csw@acs.org) or 202-659-2650. **Please designate the names in your party and choice of entree.** The public is invited to attend. Those who make a reservation but are unable to attend should send a check for the cost of their meal to the CSW office.

**\*\*Please Note:** You may attend the talk only, but reservations are required. For security reasons, NSF requires a list of all event participants in advance. For anyone attending the talk, you must call in your reservation in advance. No walk-ins will be accepted for this event. Thank you for your understanding.

## **Directions**

There is no free parking and street parking is minimal, so Metro is encouraged.

**Metro:** Ballston Metro stop on the ORANGE line. The Front Page is located in the Ballston Metro stop without going outside. Ask station manager for directions.

**From Maryland (North):** Capital Beltway to I-66 East, take Exit 71 (Glebe Road exit) which becomes Fairfax Drive, turn right from Fairfax onto Stuart Street, and then left onto 9th Street. (Stuart Street runs beside The Front Page between Fairfax and Wilson. Colonial Parking is behind NSF on 9th Street.)

**From DC: I-66 West:** (HOV-2 during rush hours) take Exit 71 (Glebe Road exit). Make a left onto Glebe Road, then a right on Fairfax Drive (or alternatively, use Route 29 to Glebe Road, to Fairfax Drive). Turn right from Fairfax Drive onto Stuart Street, and then left onto 9th Street.

**From Virginia (South):** I-66 East, take Exit 71 (Glebe Road exit) which becomes Fairfax Drive, turn right from Fairfax onto Stuart Street, and then left onto 9th Street.

**Parking:** Parking is available off 9th Street, behind the NSF building in the Colonial Parking or at Ballston Mall or Ballston Commons Complex.

*Speaker abstract on page 3...*

## Nominations for CSW Schubert Award Now Being Accepted

CSW seeks nominations for the Leo Schubert Memorial Award for the outstanding teaching of high school chemistry. Nominations must be received by June 1, 2011. Nomination information and forms can be requested from the CSW office by emailing [csw@acs.org](mailto:csw@acs.org). Please submit nominations, preferably by email, to the CSW office. If you have any questions, please contact Dr. Douglas J. Raber at [draber@verizon.net](mailto:draber@verizon.net).

CSW established the award in 1979 to honor Dr. Leo Schubert, who passed away that year. Dr. Schubert devoted much of his career to developing programs for high school teachers and students. The award consists of an honorarium (\$500) and a certificate which will be presented to the recipient at the December CSW dinner meeting. Nominations for the award must be comprehensive and include details such as innovation in teaching, writing curricula, outside teaching, papers published, involvement in science fairs and post graduate study. Each year's Leo Schubert Award honoree becomes CSW's candidate for the forthcoming Middle Atlantic Regional Meeting High School Teaching Award.

### Important Dates for Award Nominations

**June 1, 2011:** Schubert Award nominations due

**September 15, 2011:** CSW Community Service Award nominations due

**September 15, 2011:** Charles L. Gordon Award nominations due

**October 15, 2011:** Hillebrand Prize nominations due

**November 1, 2011:** E. Emmet Reid Award nominations due



**Look for more awards information in next month's *Capital Chemist*!**

### Dinner Meeting Speaker Abstract, "The Development of Photochemical Technology that Improves the Safety of Blood Products Used in Transfusion Medicine."

In the 1980s a previously unknown virus, HIV, entered the supply of blood products used in transfusion medicine. At this time there was no test for the presence of HIV and as a result, tragically, many thousands of patients receiving platelets, plasma proteins and red cells were infected with HIV and later contracted AIDS. At this time, former Ohio State undergraduate Raymond P. Goodrich founded a blood products company and began research on developing photochemical technology to reduce pathogen levels in transfusable blood products. Dr. Matthew S. Platz, Ray's former mentor, has been involved in this project as a consultant and collaborator from the beginning. The lecture will trace the history of the research to its current state and describe a technology based on this research in widespread use overseas. The lecture will be appropriate for a general audience.



Dr. G. Marius Clore, CSW's 2010 Hillebrand Prize recipient (right), Dr. Michael P. Doyle, current CSW President, at the March dinner meeting where the Hillebrand Prize is presented each year.

## CSW Career Development Workshop for Chemists:

Experience from the Past and Tools to Build the Future

Have you ever reflected on...

What do you do well?

Is your career on the right path?

Where do you want your career to go?

What do you love to do?

Is your résumé up to date?

How does the current economy affect your job search?

When: Saturday, April 9, 2011

8:15 a.m. to 3:45 p.m.

Where: George Washington University  
Harry Harding Auditorium,  
Room 213

1957 E. Street NW Building  
Who: Graduate students, Post docs,  
Undergraduates, and those  
seeking a job change

For more details, or to register, please visit the CSW website!

<http://csw.sites.acs.org/activities.htm>

### PROGRAM

8:15 - 9:00 AM Registration; Continental Breakfast

9:00 - 9:10 AM Welcome

9:10 - 9:40 AM Dr. Dennis Chamot, Member-at-Large, ACS Board of Directors

9:40 -10:00 AM Dr. Nirmala Kannankutty, National Science Foundation

#### BOOK PRIZE DRAWING

10:00 - 11:30 AM Panel of Those Who Followed Non-Traditional Career Paths: Richard D. Jordan, Dickinson Wright, PLLC, John Malin, PhD, ACS (Retired); Bahram Moasser, Assistant Professor of Chemistry, Georgetown Univ.; Kathryn Hughes, Program Officer, NRC Board on Chemical Sciences & Technology

#### BOOK PRIZE DRAWING

11:45 AM- 12:30 PM LUNCH

12:30 PM - 1:45 PM Resume Preparation - Dr. David Harwell, Assistant Director, ACS Office of Career Management and Development


#### BOOK PRIZE DRAWING

1:45 PM -3:00 PM Panel of Those Who Followed Traditional Career Paths: Richard G. Weiss, Professor of Chemistry, Georgetown University; Dr. William Koch, United States Pharmacopeia; Nicole Payne, B.S., Chemist, Drug Enforcement Administration;

3:00 PM-3:15 PM Evaluation Form

For further information and to register, visit [csw.sites.acs.org/activities.htm](http://csw.sites.acs.org/activities.htm)

Interested in attending the Career Workshop for Chemists? Missed the registration deadline? You can still attend by registering onsite! Just fill out the form below and bring it with you to the workshop.

	<b>American Chemical Society – Chemical Society of Washington</b>
<b>Career Development Workshop: Experiences from the Past and Tools to Build the Future</b>	

#### Workshop information

Date & Time: Saturday, April 9, 2011

Pick up Registration Packets: 8:15 AM – 9:00 AM

Presentations: 9:00 AM – 3:45 PM

Location: George Washington University

First Name		Last Name	
Affiliation (institution, company, agency, other)			
Address			
City		State	Zip code
Phone	Fax	Email	

#### Registration fee - \$10 – Must be postmarked by March 28, 2011

(This fee includes all workshop materials, continental breakfast, coffee breaks and lunch.)

NOTE: Slots will be set aside for onsite registrants (\$10), but lunches for those registrants will be on a first come- first serve basis.

Mail your completed registration form with payment (check or money order made payable to “CSW”) to:

Career Day Symposium  
 Chemical Society of Washington  
 1155 16<sup>th</sup> Street, NW, Stop O-218  
 Washington, DC 20036

MARM, continued from page 1

Tuesday, May 24 (morning symposia)

- *Ambient Ionization Methods in Biological Mass Spectrometry*,
- *Nutraceutical and Food Chemistry: An Exciting Career for Chemists*
- *Applied Methods for Separation Science*
- *The Chromatography Award Symposium*
- *Cheminformatics and Bioinformatics: Working Together to Address Systems Chemical Biology*.

Other symposia are being finalized and will be announced on the website.

Especially noteworthy will be the symposium on *Redefining the Kilogram and Avogadro's Number*. The kilogram is being redefined, and the first step is determining the exact value for Planck's constant. When the definition of the kilogram is redefined, so also will be Avogadro's Number. And with Avogadro's number changed what part of chemistry will be unaffected? Peter Mohr of NIST and a member of the Consultative Committee on Units has graciously agreed to give the opening lecture on "the International System of Units and Plans for their Redefinition". Richard Steiner, NIST will give an overview of the experimental principles and results from several international implementations of the Watt Balance, and Greg Turk to do the same for Avogadro's number with implications for each.

### CAREER DEVELOPMENT PROGRAM

MARM-2011 will include a number of symposia and workshops that will aid those attending in the development of their careers. On Sunday morning workshops will be offered on Leadership Development, Grant Writing, and Career Development. A symposium on Degree Opportunities at Federal Laboratories will also be featured. Representatives of government funding agencies will be in attendance and will be available to answer questions about opportunities and programs. This meeting will provide an excellent opportunity to network, meet chemical scientists in traditional and non-traditional careers, and explore alternative career options.

### ENTREPRENEURSHIP

Symposia that focus on challenges and opportunities in companies will be presented in two major symposia, and both will be held on Monday, May 23. *Enabling Science at Startup Companies* is a full day symposium that will feature case histories of several startup companies in their various stages of development. Expiration of Patent Protection will focus on a major challenge facing the chemical and pharmaceutical industries in the 21<sup>st</sup> century.

### CSW MAY MEETING and MARM AWARDS BANQUET

The MARM 2011 Awards Banquet will be held on Monday, May 23rd, from 7 to 9 PM in conjunction with the May dinner meeting of the Chemical Society of Washington. The banquet will be preceded by a Reception from 6 to 7 PM that is open to all. The featured speaker at the Dinner will be ACS President-Elect Bassam Shakashiri.

## MARM 2011 AT A GLANCE

**Dates:** May 21-24, 2011

**Location:** University of Maryland, College Park, Stamp Student Center and Chemistry Building.

**Information Contacts:** Michael Doyle, general chair, chem-marm2011@umd.edu or mdoyle3@umd.edu; Philip DeShong, program chair, chem-marm2011@umd.edu or deshong@umd.edu; Michelle Stevenson, ACS Department of Meetings & Expositions, (800) 227-5558 ext. 4608, M\_Stevenson@acs.org.

**Website:** <http://www.marmacs.org/2011>; general inquiries: chem-marm2011@umd.edu.

In addition to the day's activities, registered high school teachers are urged to attend the MARM 2011 Teacher Awards Luncheon on Saturday. For a complete schedule of the day's activities, visit the website at <http://www.marmacs.org/2011/precollege.html>.

**WORKSHOPS.** Included in the 2011 MARM will be workshops on environmental health and safety (*Laboratory Waste Management and How to be a More Effective Chemical Hygiene Officer*), grant writing (*Building the NSF Grant Proposal*), chromatography (*Validation of Chromatographic Methods in Pharmaceutical Chemistry and Facilitating Improved Lab-Scale Purification*), and careers (*Career Development and Career Opportunities at the Federal Laboratories*).

**SOCIAL EVENTS.** A variety of social events have been planned for MARM 2011. Event tickets may be purchased through registration or on-site.

**Saturday:** A welcoming SciMix will be held from 7:30 to 9 PM. Teacher Award Luncheon at Noon.

**Sunday:** Ice Cream Social to meet ACS Governance following Plenary Lecturers

**Monday:** The MARM 2011 Awards Banquet will be held from 7 to 9 PM in conjunction with the May dinner meeting of the Chemical Society of Washington. The banquet will be preceded by a Reception from 6 to 7 PM that is open to all.



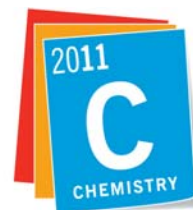
## Chemists Celebrate Earth day and Rockville Science Day

The theme for Chemists Celebrate Earth Day (CCED), which coincides with the second quarter of the International Year of Chemistry, is "Alternative Energy." Viable alternative energy sources will be presented as a key aspect of sustainability. The Chemical Society of Washington (CSW) will once again participate in Chemist Celebrate Earth Day activities. K-12 students are encouraged to compete in the Illustrated Poem contests. Participants in grades K-12 will be asked to submit an illustrated poem that incorporates the many sources of alternative energy in celebration of CCED 2011. All entries should be sent to the CSW office in care of the CCED Coordinator and must be received by Monday, April 8, 2011 so that the winning entries can be announced by ACS on April 22, 2011. Details on the requirements for the illustrated poem contest are available on the ACS website ([www.acs.org/cced](http://www.acs.org/cced)), as well as

on the CSW website ([www.csw-acis.org](http://www.csw-acis.org)). The Celebrating Chemistry newsletter for CCED is also available from the ACS website as well.

### Volunteers Needed to assist with Rockville Science Day

The emphasis of Rockville Science Day is "Science is Fun." If we are to increase science literacy in our community, we need to show that science and engineering are fun and exciting. CSW, in conjunction with the chemistry department from Montgomery College, Rockville Campus will again participate in Rockville Science Day on Sunday, April 10, 2011 from noon to 5:00 pm. Volunteers from CSW will be providing hands on activities for children who attend the event as a part of CSW's participation in CCED. Volunteers will also hand out copies of the Celebrating Chemistry publication for CCED, and



## International Year of CHEMISTRY 2011

various CCED themed products. If you would like to volunteer for this event, please contact the CSW CCED coordinator, Kim Morehouse ([Kim.Morehouse@fda.hhs.gov](mailto:Kim.Morehouse@fda.hhs.gov)). More information about Rockville Science Day can be found on their website (<http://www.rockvillescience.org/rcsday.html>).

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**April 5: Successfully Working  
With Recruiters—Do's and Don'ts**

**April 7: Optimizing the Work-  
place Across Five Generations of  
Scientists**

**April 14: Me Too Drugs: R&D In-  
novations or Imitations?**

**April 21: Is Being an Entrepre-  
neur/Innovator Your Cup of Tea?**

**April 28: Cheers! The Chemistry  
of Wine**

### MARM information, cont.

**EXHIBITION.** Exhibitors will be available on Saturday morning and continue through Monday afternoon. Exhibitor booths will be in the Grand Ballroom of the Stamp Student Center, immediately adjacent to poster sessions and in close proximity to major symposia.

**REGISTRATION.** See <http://www.marmacs.org/2011> for program details, abstract submission, registration, and hotel information.

On-site registration will take place from 8 AM to 7 PM on Saturday, May 21; and from 8 AM to 5 PM on Sunday and Monday, May 22 and 23.

**UNDERGRADAUTE PROGRAM.** The Undergraduate Research Symposium will be held Saturday afternoon and continued Sunday morning. Student poster presentations are especially welcome, and they will be held in the meeting area that is adjoining vendor booths.

**HIGH SCHOOL TEACHER PROGRAM.** MARM 2011 will offer special programs for high school teachers, beginning Saturday morning, May 21, with a symposium on Chemical Education followed by Chemistry Curriculum in the High School in the afternoon. The Teacher Award Luncheon will be held on Saturday. The Department of Chemistry and Biochemistry holds an annual workshop for high school and middle school science teachers in the State of Maryland called REACTS (Reaching Educators for the Advancement of Chemistry Teaching Statewide). This event that includes a Hands-On Workshop on Sunday morning will be held in conjunction with MARM-2011.

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## ACS Leadership Course for CSW Members: "Leading Change"

Almost any initiative today in the workplace or a project team involves change. It could be a change in priorities and direction, people, or goals and objectives. And, with change often comes resistance. How many times have you been on the receiving end of:

- People pushing back because the committee is given a different set of goals to achieve?
- Projects stalling because there has been a change in the direction?
- Confusion due to personnel changes on a committee or project team?

It is not easy leading amidst change. It requires leaders to help move through change by confronting reality, connecting with the vision of the future, designing a new approach, and engaging others to take the steps to move the project ahead.

**Course:** Leading Change

**Date/Time:** May 7, 8:00 am – 12:00 pm

**Location:** ACS Headquarters, 1155 Sixteenth St., NW, Washington, DC 20036 (Marvel Hall)

**Apply by April 25 to participate for free!** FREE for 20 participants selected by CSW (a \$25 deposit will be reimbursed after the course); open for the regular fee to anyone else (\$150 for ACS members, \$300 for non-members).

**To apply for free participation:** Send an email to [csw@acs.org](mailto:csw@acs.org) by 11:59 pm on **April 25**, and include your contact information, a paragraph explaining why you want to attend the course, and a short description (either 1/2-1 page bio or 1-2 page CV or resume) including your technical/scientific experience and experience/participation in ACS or CSW activities or other volunteer organizations.

### Course description:

Leading change, whether it is a change in priorities, direction, or people, is critical to your success as a leader in your profession and within ACS. This course provides leaders with a step-wise process to lead change and guide volunteers more effectively through the change process for greater results and efficiency.

### What you will learn:

- Why organizations and individuals tend to resist change
- A 3-step process for leading change amongst volunteers in a team or work group
- How to maintain a clear vision of the strategic direction and instill a strong sense of direction and purpose in all volunteers
- How to keep everyone on-track and focused on top priorities
- The importance of and how best to communicate new insights into key issues, problems and opportunities the committee faces

### Who should participate?

- A new graduate about to enter the workforce – you will develop entry-level skills needed to bring real value to early job assignments
- An up and coming leader – you will gain foundational leadership skills to improve your effectiveness as a leader
- A developing leader with experience – you can build your core leadership tool kit to stretch your knowledge and capabilities
- A newly involved CSW member!

**For more information, contact Jennifer Young ([j\\_young@acs.org](mailto:j_young@acs.org); 202-872-6173)**

## April Chemical Anniversaries

Additional historical events can be found at Dr. May's website, <http://faculty.cua.edu/may/Chemistrycalendar.htm>

**April 8, 1911:** One hundred years ago on this date, Melvin Calvin was born. He received the Nobel Prize in Chemistry in 1961 for his research in photosynthesis.

**April 10, 1863:** One hundred years ago in 1886, Paul Louis Toussaint Héroult discovered the electrolytic aluminium process in the same year that Charles Martin Hall discovered the same process for isolating aluminum, which is called the Hall-Héroult process. Also, he invented the electric arc furnace steel in 1900, which replaced some giant smelters for the of a variety of steels and was born on this date.

**April 15, 1961:** Fifty years ago on this date, Carol W. Greider was born. She shared the Nobel Prize in Physiology or Medicine in 2009 with Elizabeth H. Blackburn and Jack W. Szostak for the discovery of how chromosomes are protected by telomeres and the enzyme telomerase.

**April 15, 1861:** One hundred and fifty years ago on this date, Ernest Solvay received his first patent entitled "Industrial Production of Sodium Carbonate by Means of Marine Salt, Ammonia, & Carbon Dioxide."


### The Retired Chemists Group

offers a social program of luncheons and outings available to all. <http://csw.sites.acs.org/rcg.htm>



**MASS SPECTROMETRY IN BIOLOGICAL SYSTEMS**

# HANK FALES SYMPOSIUM



**Friday, April 29<sup>th</sup>, 2011, 9am-5pm**  
**Location:** NIH main campus, Cloisters (building 60)

#### Speakers:

Michael Gross, Washington University  
Marvin Vestal, Virgin Instruments  
Ronald MacFarlane, Texas A&M  
Sonja Hess, California Institute of Technology  
Simone König, University of Münster  
Robert S. Balaban, NHLBI  
Burnaby Munson, University of Delaware  
Richard Caprioli, Vanderbilt University  
Robert Mason, Oregon State University  
Edward D. Korn, NHLBI

For more information or to register, please contact Nadia Nimley, [nimleyna@mail.nih.gov](mailto:nimleyna@mail.nih.gov), 301-402-0028.



## CSW Calendar of Events

### Retired Chemists Luncheon

April 8, 2011  
Location: Newseum

### CSW Leadership Course

May 7, 2011  
Location: ACS Headquarters

### CSW Career Development Workshop

April 9, 2011  
George Washington University

### MARM 2011

May 21-24, 2011  
University of Maryland, College Park  
[www.marmacs.org](http://www.marmacs.org)

### April Dinner Meeting

Thursday, April 14, 2011  
Location: Front Page Restaurant  
Speaker: Dr. Matthew S. Platz, NSF

### May Dinner Meeting

May 23, 2011  
Locations: University of Maryland

Save the Date!



MIDDLE ATLANTIC REGIONAL MEETING

SPONSORED BY THE  
Chemical Society of Washington (CSW)

**May 21-24, 2011**  
**University of Maryland**