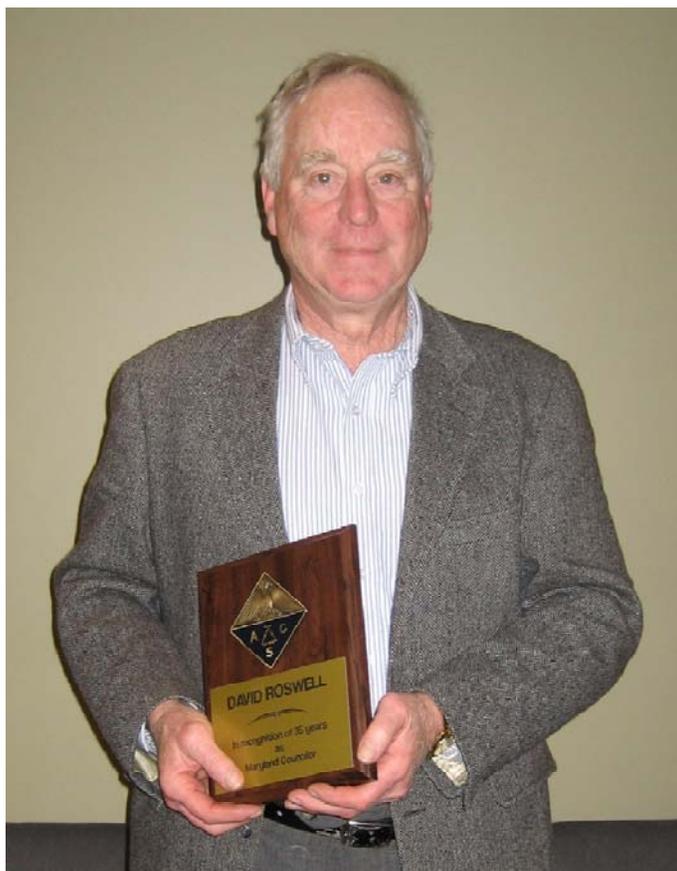


# Chesapeake Chemist

*Maryland Section  
American Chemical  
Society*



**~ Dr. David Roswell ~**  
**Recognized for 35 years of service on the ACS Council**

*Story on Page 5*

## ACS Maryland Section - Officers and Committee Chairs

### Section Officers:

*Chair 2011* - Takashi Tsukamoto, Johns Hopkins University

*Vice-chair (chair 2012)* - Holly Cymet, Morgan State University

*Chair-elect (chair 2013)* - Sara Narayan, Stevenson University

*Immediate-Past Chair (chair 2010)* - Alvin Kennedy

*Secretary* - Lance Baird, Johns Hopkins Applied Physics Lab

*Treasurer* - Holly Cymet, Morgan State University

### Councilors:

Merle I. Eiss (McCormick & Co, Inc)

Stephanie J. Watson (NIST)

David Roswell (Loyola College)

Paul Smith (UMBC)

**Alternate Councilors:** Shirish Shah (Towson), Joseph Topping (Towson), Sandra Young (ARL)

**Members at Large:** Rose Pesce-Rodriguez, Mike Zapf, Suzanne Procell, Liina Ladon, and Angela Winstead

### Committee Chairs:

*Student Awards (April)* - George Farrant - (410) 455-4120; [gfarrant@yahoo.com](mailto:gfarrant@yahoo.com)

*MD ACS Student Grants* - Louise Hellwig, [Louise.Hellwig@morgan.edu](mailto:Louise.Hellwig@morgan.edu)

*Remsen Award* - Dana Ferraris; [Dferrar2@jhmi.edu](mailto:Dferrar2@jhmi.edu)

*Braude Award* - Louise Hellwig, [Louise.Hellwig@morgan.edu](mailto:Louise.Hellwig@morgan.edu), 443-885-2085

*Maryland Chemist Award* - Angela Sherman - (410) 532-5713; [ASherman@ndm.edu](mailto:ASherman@ndm.edu)

### Programs:

*Earth Day* - Paul Smith, Lance Baird

*Finance Committee* - Jan Kolakowski

*Government affairs* - Alvin Kennedy

*Minority affairs* - Alvin Kennedy

*MARM* - Stephanie Watson & Paul Smith

*Retired Chemists* - Alvin Bober

*Student Affiliates Liaison* - Louise Hellwig

*Women Chemists* - Sara Narayan

### 2012 Elections Committee:

**Chair** - Stephanie Watson

**Members** - Takashi Tsukamoto, David Roswell, Frank Switzer, Dana Gasiorowski

### Educational Programs:

*Chemistry Olympiad/Chem-a-Thon* -

Shirish Shah & Mike Zapf,

*Continuing Education/High School Education* -

Shirish Shah & Ellen Pisciotta

*Kids & Chemistry/Chemistry-in-the-Library* -

Sue Procell & Sandy Young

*National Chemistry Week (NCW)* -

Shirish Shah & Sandy Young

### Maryland Section on the Web:

[maryland.sites.acs.org](http://maryland.sites.acs.org)

*Webmaster* - Greg Delahanty

### Chesapeake Chemist Editor-in-Chief:

Takashi Tsukamoto

# March Meeting

## International Year of Chemistry



International Year of  
**CHEMISTRY**  
2011

Wednesday, March 2nd – 6:00-9:00 pm

FIC003, Feeley International Center (located in the basement of Fourier Hall)  
NOTE LOCATION, NOT BUILDING WHERE PREVIOUS MEETINGS WERE HELD!!

College of Notre Dame  
4701 North Charles Street  
Baltimore, MD 21210

6:00 – 6:30 pm	Registration / Networking / Light Refreshments
6:30 - 7:15 pm	Dinner
7:15 – 8:15 pm	Presentations by international speakers
8:15 – 8:30 pm	Discussion
Price	\$20 for members/nonmembers, \$10 for students
RSVP (by Feb. 28)	contact-us@mdchem.org

2011 is the International Year of Chemistry (IYC), so our March meeting, supported by a grant from the national ACS, will focus on chemistry in various countries around the world. The following speakers will discuss chemistry in their countries of origin, as indicated:

Dr. Sara Narayan (Stevenson University) India  
Dr. Shuhua Ma (Towson University) China  
Dr. Clare Muhoro (Towson University) Kenya  
Ms. Melissa Pinard & Ms. Tsehai Grell (Morgan State University) The Caribbean



Even the dinner menu will feature an international cuisine in the form of Mediterranean, Zen East Asian, and Italian stations, followed by an international dessert table.

## Directions to College of Notre Dame of Maryland:

College of Notre Dame of Maryland  
4701 North Charles Street  
Baltimore, MD 21210

The map can be viewed at: <http://www.ndm.edu/directions.cfm>

Located in a beautiful residential neighborhood of Baltimore, College of Notre Dame is conveniently located only 10 minutes from downtown Baltimore

Take the Baltimore Beltway (Route I-695) to North Charles Street (exit 25). Drive 4.6 miles south on Charles Street to the College entrance, on the left, immediately past Homeland Avenue, but before Coldspring Lane.

## Campus Map:



The Collegetown shuttles are also available: <http://www.baltimorecollegetown.org/shuttle/#>  
University of Maryland, Baltimore Campus Map

# Recent Activities

## **Dr. David Roswell recognized for 35 years of service on the ACS Council**

At the ACS Maryland Local Section Executive Meeting (February 7, 2011), Dr. David Roswell (Hauber Professor of Chemistry, Emeritus, at Loyola University Maryland) was recognized for his 35 years of service on the ACS Council. A plaque was presented by another old timer of the local section, Alvin Bober, who shared his memorable experiences with Dr. Roswell when they worked together for the local section.

After the meeting, Dr. Roswell stated “It has been a privilege to represent Maryland at the Council of the American Chemical Society over the last 35 years. Honestly, it doesn’t feel like 35. I have enjoyed meeting and working with colleagues from all over the US on issues affecting chemists. It has been particularly gratifying to serve with the other long term hardworking Maryland Councilors: Merle Eiss, who’s still at it, Chuck Rowell, who recently stepped down, and the late Don Jones who would have also completed 35 years in 2010. Watching Stephanie Watson and Paul Smith getting involved with the work of the Council has been great and I know they will have many productive years. The section has chosen them wisely and I do hope the same will be true for my successor.”

## **Mr. Pat Bell honored for his years of contribution to Chemistry Olympiads**

The Maryland Section has participated in many of the ACS Chemistry Olympiads since 1984 - not many were missed. In the beginning, the National Exam was in two parts and was entirely on paper. The National Committee eventually decided to add a Lab Practical part to the exam to test the students like done in the International Exam, IChO. This addition would complicate the logistics of giving the Exam for we now had less latitude in giving the Exam within the days permitted during the college semester.

Nevertheless the Lab Practical was a useful addition and the Section continued giving the exam the Notre Dame College in Maryland, Chemistry Department. Then, Dr. Shirish Shah had engaged the experience of Mr. Pat Bell, Lab Manger to prepare the materials for the LP. His preparation begins well before the exam day and requires confidentially with the two planned experiments and required materials.

The Section honored Pat Bell with a gift certificate during a recent NDC staff meeting, where his colleagues were able to appreciate his contribution to the success of the program over many years of detailed service. We look forward in 2011 to returning to NDC and having Pat's dedicated service. Thank you Pat!

## **2010 Maryland Chemist of the Year Lecture**

Gerald Rosen, PhD, JD, the Isaac E. Emerson Professor in the Department of Pharmaceutical Sciences at University of Maryland School of Pharmacy, gave the 2010 Maryland Chemist of the Year Lecture on December 8th at Pharmacy Hall. The lecture was entitled "Electron Paramagnetic Resonance (EPR) Imaging of Brain Oxygen: Applications for Stroke". Prior to the lecture, Angela Sherman, PhD, Chair of Maryland Chemist of the Year committee, presented the award to Dr. Rosen.



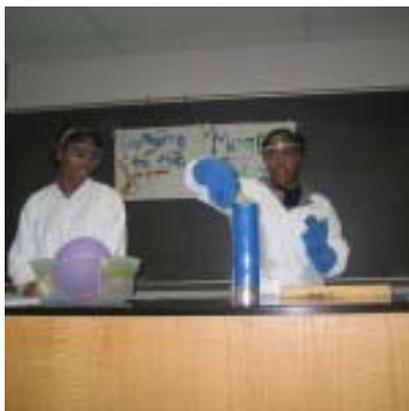
## Science Night by the UMBC Chapter

In November, the UMBC chapter held a Science Night event at St. Mark's School in Catonsville and Lyndhurst Elementary School in Baltimore. We did hands on activities with the kids including making slime, lava lamps and magic paper. We concluded each evening with a demonstration performance including color changing reactions, liquid nitrogen fun and gun cotton! We also did a Science Fair Kick-off Assembly at Laurel Woods Elementary School to get the students excited about their upcoming Science Fair. It was a great experience to be able to present exciting science to them and get them excited about their projects.



## National Chemistry Week activities by the ACS Student Club at Stevenson University

Members of the ACS Student Club at Stevenson University were busy with several activities in the fall. During National Chemistry Week, students visited Randallstown High School to perform several chemistry experiments and discuss careers in chemistry with the students. Students also designed and tie-dyed ACS Club shirts. In November, there was a spectacular magic show with 20 students participating in the show. In December, the club collected and donated toys to the Patriot Club and they participated in an on-campus blood drive. We look forward to a busy spring semester. Some of our events are pictured below.



## Morgan's Chemistry Club activities

Towards the end of last semester Morgan's Chem Club participated in three events. Three students attended the local ACS meeting at Stevenson University to hear about Green Chemistry. Dr. Michael Zollicoffer, a local pediatrician, spoke to the Club about what it's like to be in private practice and how to successfully

apply to medical school. We held an End of the Semester student-faculty luncheon at which we played a form of Chemical Charades. (Photograph below)



During fall semester five Chem Club students put in fifteen hours visiting two fifth grade classes at Northwood Elementary School as part of the Morgan Undergraduate Chemistry Help (MUCH) program. They led the students in fun experiments such as making slime, learning about acids and bases, and generating a gas from the reaction of a solid and a liquid.

# Announcements

## **New ACS Maryland Section web site**

We are currently testing the beta version of the new ACS Maryland Section web site. We will be gradually migrating to the new site ([maryland.sites.acs.org](http://maryland.sites.acs.org)) from our current site (<http://www.mdchem.org/>) over the next couple of months. Please feel free to contact us at [contact-us@mdchem.org](mailto:contact-us@mdchem.org) if you have any suggestions about our new site.

## **2011 Remsen Award Recipient Selected**

Dr. Graham Fleming, Vice Chancellor for Research and Professor of Chemistry at the University of California, has been selected to receive the 2011 Remsen Award. Fleming's research focuses on ultrafast spectroscopy of chemical and biological systems.

## **Call for Nomination - 2011 Maryland Chemist Award**

The Maryland Chemist Award Committee is accepting nominations for the 2011 Maryland Chemist Award. The nominee must be a member of the Maryland Section of the ACS, and the work on which the nomination is based should have been performed in Maryland. Supportive documentation should include copies of the resume of the nominee and his/her list of publications. A short statement describing the outstanding contributions of the nominee to scientific research, education, industry, technology, etc., will be helpful and appreciated. Please send nominations to Dr. Angela Sherman. Nominations are PREFERRED to be sent in to the committee via e-mail: [asherman@ndm.edu](mailto:asherman@ndm.edu). If you cannot send your nomination via e-mail, please contact Dr. Sherman via e-mail or phone (410) 532-5713 to arrange for alternate delivery method. The deadline for submission of nominations is April 15, 2011.

## **2<sup>nd</sup> Annual Mid-Atlantic Regional Nanomaterials Symposium**

The Johns Hopkins University Applied Physics Laboratory (JHU/APL) Applied Nanotechnology Community of Practice will be hosting a Mid-Atlantic Regional Nanomaterials Symposium on March 14, 2011. The all-day symposium will include nanomaterials talks, networking, posters, and discussion. The morning will feature talks by local experts on nanotechnology from various institutions including JHU, UMCP, NIST, and UMBC. The afternoon will consist of panel sessions with sponsor agencies including NRC, DARPA, ONR, & DTRA followed by a poster session.

Registration is \$25, free for students, and includes lunch. For more information please visit <http://www.jhuapl.edu/aboutapl/organization/MERC/APLNano/>

## **Six undergraduate students awarded travel grant**

The following students have been awarded \$500 travel grants to participate in the 241st ACS National Meeting in Anaheim, California.

Matthew Streeter (Washington College)

Tom Gallagher (Washington College)

Tyler Lee (Hood College)

Jamie Bingaman (Hood College)

Tsehai Grell (Morgan State University)

Troy Hubbard (Hood College)

Katherine Woronowicz (UMBC)

Bilguujin Dorjsuren (UMBC)

## **Chemistry Olympiad Program**

The MD Section is looking for a coordinator for the International Chemistry Olympiad program. Activities will begin in February 2011. The tasks require an initial mailing to solicit participation, coordinating the exam site and timing (3<sup>rd</sup> Saturday in April), and communications before and after with the selected students, teachers and the ACS National staff. Assistance from the current committee will be given and a budget is approved. The Section has been involved with this program for more than 26 years and we've had several students attend the Olympic training camp and had two Olympians during this time.

For further information, please contact Mike Zapf or Shrish Shah; [mike\\_zapf@mccormick.com](mailto:mike_zapf@mccormick.com), [sshah@towson.edu](mailto:sshah@towson.edu).

## **Closing of the Meetup ACS Maryland Local section group**

We regret to inform you that the ACS Maryland Local section group on the Meetup site will be discontinued in February, 2011. Our section has implemented a new mass email system capable of communicating with nearly 2000 local members. From now on, event information as well as other important communications will be carried out using the new system.

Your email address will be migrated to the new system. Please contact us ([contact-us@mdchem.org](mailto:contact-us@mdchem.org)), if you have not received any emails from our new system. We will add your name to our mailing list (whether you are an ACS member or not). If at any time you wish to update your e-mail address, please send an e-mail to [contact-us@mdchem.org](mailto:contact-us@mdchem.org) and we will change it right away.

We very much appreciate your participation in this group which has served as a critical communication tool in the past two years.

## **2011 Gains in the Education of Mathematics & Science (GEMS) Summer Program**

GEMS is an in-depth, professional science experience where a diverse group of middle and high school students do hands-on experiments in an Army lab with Army Scientists & Engineers for 1-week. The goals of the program are to motivate students in their study of math and science and to inspire them to consider careers in those fields. GEMS is for students who think that they might be interested in the pursuit of science as a career but maybe need a more in-depth experience to satisfy their natural curiosity of what working in a real lab' is like. GEMS at APG is for students entering into the 7th grade (Fall 2011) through students entering into the 10th grade (Fall 2011) or older high school students (11/12 grades) who have never participated in the program previously. The program is limited to 120 student slots (30 per week) and 8 Summer Apprentice positions. Each summer we have over 300 applicants for these slots. (We'd ask parents NOT to use this program as a summer camp if they know that their student does not like science.)

Information on the 2011 GEMS program at Aberdeen Proving Ground can be found at (<http://www.usaeop.com/programs/GEMS/ARL.htm>). Applications will ONLY be accepted through the website - STUDENTS should click on 'Apply Now' and fill out the application. Registration for the APG program will open February 1 and will close March 15, 2011. STUDENTS are required to write a short essay on why they want to attend. Those students who are military dependants should indicate this in their essay. In addition, students applying who found out about the program through the MD ACS should also indicate this in their essay. Letters of acceptance will be sent out by April 25, 2011.

The GEMS program is only one of many US Army Educational Outreach Programs - information on other programs can be found at (<http://usaeop.com>). The US ARL POC at APG is Sandra Young who can be contacted via e-mail ([sandra.young@us.army.mil](mailto:sandra.young@us.army.mil)).

## Call for Volunteers – K-12 Educational Outreach

We know that people have limited time. But taking the time to mentor others, as all of us were once mentored by someone, is a truly fulfilling experience. If you have any questions or are thinking about helping out with a future event, please feel free to contact us at ([contact-us@mdchem.org](mailto:contact-us@mdchem.org)).

## Plants & People Sundays at the Rawlings Conservatory

The Howard Peters Rawlings Conservatory & Botanic Gardens in Druid Hill Park runs various programs on Sundays. The 2<sup>nd</sup> (Exploration Station), 3<sup>rd</sup> (Story Hour), and 4<sup>th</sup> (Ask a Scientist) Sundays are programs directed towards K-12 students and often include hands-on science activities.

**Where:** Howard Peters Rawlings Conservatory & Botanic Gardens, 3100 Swan Drive, Baltimore, MD 21217 (by the zoo)

**When:** Almost every Sunday

For more information, visit their website or call (410) 396-0008 for details on the upcoming Sunday program!! ([http://www.baltimorecity.gov/government/recnparks/special\\_facilities.php#Howard](http://www.baltimorecity.gov/government/recnparks/special_facilities.php#Howard))

## Other Educational Outreach Programs

With recognition of the decreasing numbers of trained STEM professionals that are US citizens, the general decline of hands-on activities in Science, Technology, Engineering, and watering-down of Mathematics in many K-12 programs, and many people's general lack of understanding of STEM topics in society, the Department of Defense has coordinated many of their programs into single websites that contain a wide-range of educational outreach programs, internships, and scholarship opportunities available for K-12, undergraduate, graduate students and beyond.

Information on the wide-variety of programs through the **US Army Educational Outreach Program (AEOP)** can be found on their website (<http://www.usaeop.com>).

Information on the wide-variety of programs through the **National Defense Education Program (NDEP)** can be found on their website (<http://www.ndep.us>).

Many of the programs/opportunities that are listed on these two sites are available to students for participation in Maryland locations.

## Call for Volunteers for Committee Positions

Interested in how your dues get used and want to work on interesting member programs/projects? If you want to get involved with the Maryland Section Executive Committee and/or with section activities, we want to hear from YOU! The Maryland ACS Executive Committee meets 4 times during the year to discuss and plan activities. Please feel free to contact the chair, vice-chair, or chair-elect via e-mail to get more information on various areas/activities that you are interested in or that we would like to start or expand in the future. The amount of time to commit would be up to you but might be around 2 hours per month, depending on the activity. We are always looking for individuals with budget/financial, editing, and planning skills. In addition, our Section is always looking for volunteers for our various committees. We are currently looking to fill positions for:

- Archivist
- Women's Chemist Chair
- Young Chemist Chair

Please contact us at [contact-us@mdchem.org](mailto:contact-us@mdchem.org)

## Get Involved, Stay Involved

As you know, the American Chemical Society offers many ways for its members and non-members to get involved at the local, regional and national levels. There are opportunities for everyone, whether you are a student, or just starting your career, or a seasoned professional. Are you interested in getting involved, but don't know where to start? Are you already involved with one or more ACS activities but need help finding resources? Please visit (<http://www.acs.org/getinvolved>) to find a streamlined list of links of helpful procedures and resources specifically geared towards your area of interest.

Alternately, you can contact the Maryland ACS Section directly... Like working with students? Have a talent for encouraging students in science? Have ideas for outreach events? Sign up for our volunteer news. Contact us at [contact-us@mdchem.org](mailto:contact-us@mdchem.org).

## 2011 Event Schedule

Event	Date	Time	Location
International Year of Chemistry	3/2 (Wed)	6:30 pm	College of Notre Dame
2nd Annual Mid-Atlantic Regional Nanomaterials Symposium	3/14 (Mon)	8:30 am - 5:00 pm	
Spring 2011 ACS National Meeting	3/27 (Sun) – 31 (Thu)		Anaheim
Student Awards Meeting	4/10 (Sun)	12:00 pm	Burkshire Marriott
Earth Day Event	TBD		
MARM 2011	5/21(Sat) – 24 (Tue)		College Park
Fall 2011 ACS National Meeting	8/28 (Sun) – 9/1 (Thu)		Denver
Remsen Award Meeting	10/5 (Wed)		Johns Hopkins University
National Chemistry Week	10/16 (Sun) – 22 (Sat)		
Braude Award	TBD		
Maryland Chemist Award	TBD		

If you have any ideas or suggestions about new events please feel free to contact us at [contact-us@mdchem.org](mailto:contact-us@mdchem.org)

# Job Hunting Corner

## Job Hunting?

We don't always have job posts in the Chesapeake Chemist. But if you have a position available locally, you are welcome to send them to us for posting in the Chesapeake Chemist. If you are job hunting, remember to put your membership to work by using the ACS job bank: (ACS Careers: [www.acs.org/careers](http://www.acs.org/careers)).

## ACS offers special benefits for unemployed members

During these tough economic times it's more important than ever to belong to the American Chemical Society. Unemployed members can tap into a host of valuable benefits and services that help them get back in the workforce. And, members in good standing may qualify for an unemployed member dues waiver, allowing them to renew their memberships and keep their member benefits at no cost. Contact ACS at [service@acs.org](mailto:service@acs.org), 800-333-9511 or 614-447-3671 for complete details.

Other valuable benefits that help ACS member get back in the workforce include:

- Free registration at ACS National Meetings and registration fees at Regional Meetings of just \$25. Meetings offer ACS Career Fairs with on-site interviews.
- Special discounts for ACS/Harvard courses, ACS ProSpectives and Short Courses, and the ACS Leadership Development System.
- Membership in the ACS Network, your online resource to connect and communicate with friends, colleagues, and potential employers
- Free Guidance from ACS Career Consultants - ACS mentors offer resume reviews, job search strategies, and interview tips that make you stand out from the rest.
- Free access to InterviewStream, an online tool that will sharpen your interview skills
- Members-only access to the ACS Salary comparator.
- And more!

Contact ACS customer service today at [service@acs.org](mailto:service@acs.org), 800-333-9511 or 614-447-3671 today and let us know how we can help.

## REMINDER: Receiving the Chesapeake Chemist

Hopefully, if you are reading the Chesapeake Chemist this month, you are receiving it via e-mail from us. We went to electronic only mailings to our MD ACS membership in October 2006. Please remember that we are dependant on the National ACS records for your correct, current e-mail.

**Changing your e-mail address? Moving out of the MD ACS area?** E-mail changes can be updated either by:

- E-mailing us at [contact-us@mdchem.org](mailto:contact-us@mdchem.org) - give us your member #, full name, and e-mail changes and we can ensure that your records are updated with National ACS.
- **Contacting the National ACS membership division: 800-333-9511 (US only) or [service@acs.org](mailto:service@acs.org)**

To ensure that you receive the Chesapeake Chemist, please add the MD ACS e-mail ([contact-us@mdchem.org](mailto:contact-us@mdchem.org)) to your accepted e-mail address list IF you have a spam filter.

If you are a member who currently doesn't receive the Maryland ACS Chesapeake Chemist but download it from our website, it is possible that National ACS does not have your e-mail address on file. If you want to receive the Chesapeake Chemist via e-mail, please e-mail us at [contact-us@mdchem.org](mailto:contact-us@mdchem.org) - give us your member #, full name, and e-mail address and we can ensure that your records are updated with National ACS.

The current edition and previous editions of the Chesapeake Chemist can ALWAYS be obtained via our website: <http://mdchem.org> - please see the Newsletter Archive link on the right-hand side of the website.



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