

# Chesapeake Chemist

*Maryland Section  
American Chemical  
Society*



~ Dr. John W. Moore ~

W. T. Lippincott Professor of Chemistry

[http://www.chem.wisc.edu/people/profiles/display\\_profile.php?name=Moore%2C+John+W.](http://www.chem.wisc.edu/people/profiles/display_profile.php?name=Moore%2C+John+W.)

“The Chemical Education Digital Library: A New Online Resource for Teachers and Students”

Wednesday, October 22<sup>nd</sup>, 2008 – 6:00pm – Burkshire Marriott Hotel & Conference Center, Baltimore, MD

## Message from the Chair

By: Lev Ryzhkov

Please join us for the October Braude Award Meeting.

### **ACS Presidential Debate**

It might be the year of the US National Election for President but every year the National ACS has a Presidential vote. On September 28, ACS candidates for president-elect 2009 participated in an ACS Presidential Debate. The debate was recorded and interested members can hear the two candidates, Joseph Francisco and Joseh Michl, discuss their visions for the future of the society and their candidacy for the post. The debate took place via "Science Studio" a long-running radio show featuring interviews with practicing scientists. Keith Pannell of the department of chemistry at the University of Texas, El Paso, hosted the debate. The recording of the debate can be accessed at [www.sciencestudio.org](http://www.sciencestudio.org) and [www.ktep.org](http://www.ktep.org).

### October Meeting - Braude Award Dinner

Wednesday, October 22<sup>nd</sup>, 2008 - 6:00pm - Burkshire Marriott Hotel & Conference Center, Baltimore, MD

6:00-6:30pm	Registration / Networking & appetizers
6:30-7:30pm	Dinner
7:30-7:45pm	Braude Award
7:45-8:45pm	Braude Lecture: <b>Dr. John W. Moore</b> W. T. Lippincott Professor of Chemistry University of Wisconsin-Madison <b>"The Chemical Education Digital Library: A New Online Resource for Teachers and Students"</b> ~Question and Answer (10 minutes)~

Price: Members - \$25; Retired Members and Guests - \$20; Students - \$10

Contact: For questions, contact Shirish Shah at 410-323-0803 (H) or by email at [dr.shah@juno.com](mailto:dr.shah@juno.com)

Where: Burkshire Marriott Hotel & Conference Center, Baltimore, MD

### Directions to Burkshire Marriott Hotel & Conference Center:

10 W. Burke Avenue  
Towson, Maryland 21204

- From the Baltimore beltway, I-695, follow to exit 27, Dulaney Valley Road.
- The Berkshire is on the left side as you enter Burke Ave. (18-story building). Meeting attendees should proceed to the left lane. Turn left into the Berkshire's parking entrance. Turn the corner and make an immediate right into the P2 parking garage.
- (You may have to press the intercom button for admittance to the elevators.)
- Proceed to the front desk to get a parking pass required for your car.
- Look for signs posted in the lobby and elevators to locate the dining room.

Directions & map are also available on the MD ACS website (<http://mdchem.org/meetings/burkshire.html>).

~ Speaker Information on Page 5 ~

## ACS Maryland Section - Officers and Committee Chairs

### Section Officers:

*Chair 2008* - Lev Ryzhkov, Towson University - (410) 704-3831; [lryzhkov@towson.edu](mailto:lryzhkov@towson.edu)

*Vice-chair (chair 2009)* - Walter Roy, McCormick & Company, Inc, (410) 771-7886; [walter\\_roy@mccormick.com](mailto:walter_roy@mccormick.com)

*Chair-elect (chair 2010)* - Mike Zapf, McCormick & Company, Inc, [Mike\\_Zapf@mccormick.com](mailto:Mike_Zapf@mccormick.com)

*Secretary* - Sara Narayan - (443) 334-2326; [f-naraya@mail.vjc.edu](mailto:f-naraya@mail.vjc.edu)

*Treasurer* - Liina Ladon, Towson University, Chemistry Department, 8000 York Road, Smith Hall Rm. 538, Towson, MD 21252, (410) 704-3054, [lladon@towson.edu](mailto:lladon@towson.edu)

### Councilors:

Merle I. Eiss [meiss32@aol.com](mailto:meiss32@aol.com)      Stephanie J. Watson  
[stephanie.watson@nist.gov](mailto:stephanie.watson@nist.gov)

David Roswell [droswell@loyola.edu](mailto:droswell@loyola.edu)      Charles Rowell  
[cfrowell35@verizon.net](mailto:cfrowell35@verizon.net)

**Alternate Councilors:** Shekar Munavalli, Shirish Shah,  
Paul Smith, Joseph Topping

**Members at Large:** Karen Hatwell, Maurice Iwunze,  
Angela Wells Winstead, Takashi Tsukamoto

### Committee Chairs:

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

*MD ACS Student Grants - Travel & Student Affiliate Awards (February/March)* - Paul Smith, [pjsmith@umbc.com](mailto:pjsmith@umbc.com)  
or Louise Hellwig, [Louise.Hellwig@morgan.edu](mailto:Louise.Hellwig@morgan.edu)

*Remsen Award (May/June)* - Lev Ryzhkov

*Braude Award (October)* - Charles Rowell

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

*Maryland Service Award* - Shree Ivengar - (410) 777-2266; [ssivengar@aacc.edu](mailto:ssivengar@aacc.edu)

### Programs:

*Archives* - Ernie Silversmith - (443) 885-3214

*Career Planning* - Linh Cheong - (410) 762-1159

*Earth Day* - Paul Smith

*Environmental Issues* - Shirish Shah - (410) 704-2720  
[sshah@towson.edu](mailto:sshah@towson.edu) & Sandy Young

*Finance Committee* - Jan Kolakowski - (410) 436-2755  
[jan.kolakowski@us.army.mil](mailto:jan.kolakowski@us.army.mil)

*Government Relations* - Shirish Shah & Robert von  
Tersch - [robert.l.vontersch@us.army.mil](mailto:robert.l.vontersch@us.army.mil)

*Long Range Planning* - Shekar Munavalli

*MARM* - Shirish Shah & Alan Samuels -  
[alan.samuels@us.army.mil](mailto:alan.samuels@us.army.mil)

*Membership* - Merle Eiss

*Minority Affairs* - Alfred Amah - (410) 602-7164;  
[aamah@coppin.edu](mailto:aamah@coppin.edu)

*Public Relations* - Shirish Shah & Walter Roy,  
[Walter\\_Roy@mccormick.com](mailto:Walter_Roy@mccormick.com)

*Retired Chemists* - Alvin Bober, 410-581-5321

*Student Affiliate Liaison* - Louise Hellwig

*Women Chemists/Younger Chemists* - Sara Narayan -  
443-334-2326 / Amanda (Miller) Idstein -  
[aredmiller@cs.com](mailto:aredmiller@cs.com)

### Educational Programs:

*Chemistry Olympiad/Chem-a-Thon* -  
Shirish Shah & Mike Zapf,  
[Mike\\_Zapf@mccormick.com](mailto:Mike_Zapf@mccormick.com)

*Continuing Education/High School Education* -  
Shirish Shah/Ellen Pisciotta

*Kids & Chemistry/Chemistry-in-the-Library* -  
Sue Procell, 410-436-4604,  
[suzanne.procell@us.army.mil](mailto:suzanne.procell@us.army.mil) /Sandy Young

*National Chemistry Week (NCW)* -  
Shirish Shah & Sandy Young

**Maryland Section on the Web:** <http://mdchem.org>

*Webmaster* - Sandy Young ([mdchem@mdchem.org](mailto:mdchem@mdchem.org))

### Chesapeake Chemist Editor:

([mdchem@mdchem.org](mailto:mdchem@mdchem.org))

## Election Results:

Thanks to all the members for a successful electronic election. The election closed at midnight on September 30. We received 252 ballots (out of 1963 members). All the current candidates were elected:

Vice-Chair	Alvin Kennedy
Chair-Elect	Michael Zapf
Secretary	Sara Narayan
Treasurer	Liina Ladon
Councilors	David Roswell Stephanie Watson

Many comments were also received and we plan to act on as many as we can. A common response was the desire to choose between more than one candidate for each position. We want to follow through, but **we need your help to find more volunteers to fill the positions.**

The new Election Process, which is outlined in our 2008 revised By Laws, is summarized below:

1. An Election Nominating Committee (ENC) is formed in *August*.
2. The ENC and a call for candidate nominations are announced in the *November* Chesapeake Chemist.
3. Candidates for the Section are announced in the *January* Chesapeake Chemist. Petitions for further candidate nominations from Section members closes around *February 15*.
4. On *May 15*, ballots are sent out and due by *July 10*. Winners are determined by *August 1*.
5. Winners of the election are announced in the *September* Chesapeake Chemist.

Positions within the Section that are elected **every year** are:

- Chair-Elect
- Treasurer
- Secretary
- Members-At-Large (up to 5)

The Chair-Elect term is a *3 year* term: the candidate is Chair-Elect for one year, and then moves to Vice-Chair for one year, followed by Chair for last year. The Chair progression makes it easier for the candidate to learn what is necessary to run the Section. A Councilor term lasts for *3 years* and our Section has *4 Councilor positions*. The next 2 Councilor positions will end in 2010 and so new positions for Councilor will be elected in *2010* for 2011. The remaining 2 Councilor positions will end in 2011 and so 2 new positions will be elected in *2011* for 2012.

All persons interested in getting involved in our Section Executive Committee are welcome to contact **Stephanie Watson** ([stephanie.watson@nist.gov](mailto:stephanie.watson@nist.gov), 301-975-6448) or **Shirish Shah** ([sshah@towson.edu](mailto:sshah@towson.edu), 410-704-2720)

## Call for Volunteers for Committee Positions

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
- Student Affiliates Chair

Please contact **Walter Roy** ([Walter\\_Roy@mccormick.com](mailto:Walter_Roy@mccormick.com), 410-771-7886) or **Alvin Kennedy** ([alvin.kennedy@gmail.com](mailto:alvin.kennedy@gmail.com), 443-885-3794)

## Webmaster Volunteer Needed

The Section is looking for a Webmaster for our website-[www.mdchem.org](http://www.mdchem.org). If you are knowledgeable with current webpage software and would like to volunteer please contact **Sandy Young** ([Sandra.Young@us.army.mil](mailto:Sandra.Young@us.army.mil), 410- 306-0679) or **Stephanie Watson** ([stephanie.watson@nist.gov](mailto:stephanie.watson@nist.gov), 301-975-6448).

## Speaker Bio:

John W. Moore  
W. T. Lippincott Professor of Chemistry  
University of Wisconsin-Madison  
1101 University Avenue  
Madison, WI 53706-1396

Phone: 608-262-5154 FAX: 608-265-8094

[jwmoore@chem.wisc.edu](mailto:jwmoore@chem.wisc.edu)

Faculty Profile: ([http://www.chem.wisc.edu/people/profiles/display\\_profile.php?name=Moore%2C+John+W.](http://www.chem.wisc.edu/people/profiles/display_profile.php?name=Moore%2C+John+W.))

Website: (<http://chemeddl.org/>)

John Moore received the A.B. magna cum laude from Franklin and Marshall College and the Ph.D. from Northwestern University, concentrating in physical inorganic chemistry. During 1964-65 he held an NSF postdoctoral fellowship at the University of Copenhagen. He taught at Indiana University-Bloomington (1965-71) and Eastern Michigan University (1971-1989) before joining the faculty of the University of Wisconsin-Madison in 1989 as Professor of Chemistry, Director of the Institute for Chemical Education, and chair of the General Chemistry Division. In 2000 he was appointed to a named chair, W. T. Lippincott Professor of Chemistry, in honor of the excellence of his research in chemical education.

He has won numerous awards, including: The Braude Award of the Maryland Section, ACS (2008); the Pirelli International Award for best multimedia science communication of chemistry (2006); the Benjamin Smith Reynolds Award for excellence in teaching engineers (2003); the Wisconsin Power & Light Underkofler Award for Excellence in Teaching (UW-System, 1995); Upjohn Award for Excellence in Teaching (1993); ACS's George C. Pimentel Award in Chemical Education sponsored by Union Carbide Corporation (1991); the James Flack Norris Award for Outstanding Achievement in the Teaching of Chemistry (1991); the Catalyst Award of the Chemical Manufacturers Association (1982); and the Michigan Association of Governing Boards' Distinguished Faculty Member Award (1982); in 1986 he was a Silver Medalist in the CASE Professor of the Year competition. He has presented more than 270 lectures at conferences and colloquia, taught or organized more than 50 workshops for teachers, and is author or co-author of more than 100 publications, including the textbooks *Environmental Chemistry*, Academic Press, 1976, *Chemistry*, McGraw-Hill, 1978, *Kinetics and Mechanism*, third edition, Wiley-Interscience, 1981, *The Chemical World: Concepts and Applications*, Saunders, 1993, 1997, and *Chemistry: The Molecular Science*, Brooks-Cole, 2001, 2005, 2008.

Professor Moore has made major contributions to several important projects in chemical education:

- the *Journal of Chemical Education*, of which he is Editor, having assumed full responsibility in 1996;
- the National Science Digital Library, for which he head one of 11 Pathways projects;
- ICE, the Institute for Chemical Education, which prepares and publishes teaching materials and carries out workshops for pre-college chemistry and science teachers;
- *Journal of Chemical Education: Software*, a peer-reviewed journal published on computer disks, laser videodiscs, and CDs, which he founded in 1989 and edited until 1996;
- Project SERAPHIM, which has developed a variety of innovative chemical education materials using computers and other technology.

Through Project SERAPHIM and ICE Professor Moore regularly hosts visiting faculty from other universities and other countries who have served as Fellows working on specific projects to improve chemistry instruction and learning. He was editor of the Computer Series feature of the *Journal of Chemical Education* from its inception in 1978 until 1989.

Professor Moore was a member and Vice-Chair of the American Chemical Society's Committee on Education for many years and now serves as a Consultant to that committee; he is a past chair (1991-92) of the Wisconsin Section of the ACS. He is very active in the ACS Division of Chemical Education and was its Chair during 1996; He is a member of Phi Beta Kappa, Sigma Xi, AAAS, ACS, NSTA, and Phi Kappa Phi, and has been elected a Fellow of AAAS.



## Fall 2008 - Important Dates



- October 22, 2008 Braude Award Dinner Meeting – Burkshire Marriott Conference Center, Towson, MD (<http://mdchem.org/meetings/burkshire.html>)
- October 19-25, 2008 National Chemistry Week
- November 2008 Section Meeting – Date/Location to be determined, Speaker: Carolyn Fisher, McCormick will give a presentation on 'What is Natural?'
- November 15, 2008 America Recycles Day (<http://nrc-recycle.org/americanrecycles.aspx>)
- December 10, 2008 Section Meeting – Burkshire Marriott Hotel & Conference Center, Towson, MD – Maryland Chemist of the Year Award Dinner – Awardee: Dr. Victor E. Marquez, Chief, Laboratory of Medicinal Chemistry, Center for Cancer Research, National Cancer Institute, NIH, in Frederick, MD



## Spring 2009 - Important Dates



- February 2009 Section Meeting – Date/Location to be determined
- March 22-26, 2009 237<sup>th</sup> National ACS Meeting & Exposition, Salt Lake City, UT (<http://chemistry.org/meetings>)
- April 2009 Student Awards Meeting – Date/Location to be determined
- May 22, 2009 (Friday) New 50-year member luncheon celebration - Belmont Conference Center– directions at: (<http://mdchem.org/meetings/belmont.html>)



## Summer 2009 - Important Dates



- June 2009 Remsen Award Meeting – Date to be determined Awardee: TBD - Johns Hopkins University, Baltimore, MD – directions at: (<http://mdchem.org/meetings/JHU.html>)
- June 2009 Student Affiliate National Meeting Travel Grant application deadline for August meeting.
- July 2009 MD ACS Annual Picnic, McKeldin Area, Patapsco State Park – Directions at: (<http://mdchem.org/meetings/patapsco-mckeldin.html>).
- August 16-20, 2009 238<sup>th</sup> National ACS Meeting & Exposition, Washington DC (<http://chemistry.org/meetings>)

### Council Meeting Report - Philadelphia, PA

By: Charles Rowell

The meeting in Philadelphia was very well laid out with the convention center literally wrapped around several of the hotels. 14026 people had registered at the time of the Council on Wednesday morning. Even in the face of hard times, we had the largest Exposition that we have ever had. In short, the meeting was a real success.

All four of our Councilors were present for the Council meeting and a couple had been busy in committee meetings for several days in advance. The Society is headed in several directions that will probably show up soon and some of them may well interest you. The details are up in the air and some may disappear so I will not use up space on what is being examined

~ Counselor Report Continued on Page 6 ~

## Counselor Report Con't

The Council meeting started with elections for elected committees (Council Policy Committee, Nominations and Elections, and The Committee on Committees.) No one from the Maryland Section was involved this year but both Merle Eiss and Chuck Rowell will reach term limits on their committees next year. One of the changes under way will close out the Admissions Committee and transfer its remaining work to the Committee on Membership Affairs. It looks like Paul Smith from UMBC will be the last chair of the Admissions Committee where he has worked well over several years. A year or two will pass before this conversion is done.

The Council passed a petition to bring Society Associate dues up to being the same as member dues, accepted the new funding mode for distributing funds to Divisions, and accepted a probationary Division of Catalytic Science and Technology.

During a half-hour time slot the Council discussed the general question of what the ACS can do in these areas to achieve sustainability: Energy, Water, and Food.

### **The Maryland High School Chemathon: the miles don't matter.**

By: Mike Zapf, High School Programs

*Take excitable high school students and add one dedicated chemistry teacher and you get – success!*

It's 250 miles from Pittsburgh PA to College Park, MD and perhaps it seems even longer for a 16 year-old student, 2 AM, Saturday MORNING, riding in a school bus! Thus begins the journey for one special chemistry team to compete in the annual Chemathon held at the University of Maryland College Park. The event has been going on for 24 years and its continued success is perhaps captured in this story.

When the Chemathon-08' prize acceptance letter was opened up in my office I noticed the Pennsylvania addresses for each of the students that won a one-year subscription to the ACS student magazine, ChemMatters. The city/towns weren't familiar. What team had won our prize? The Maryland Section has supported this event for many years.

An email was then dispatched to the UM Chemistry Department secretary who researched the applications. A reply came, in a surprised tone with the following Web-link: (<http://www.northallegheny.org/schools/nai/naihome.htm>). This is the link to Mr. Mark Anticole of North Allegheny HS in Pittsburgh, PA. And my investigation goes further. After a brief exchange of emails before the end of the school year, we decide to talk by phone, as I HAD to learn how this story could be true.



The story is that Mark taught in Harford Co. MD for seven years and had helped coach several teams for C. Milton Wright High School. In 2005, he moved to Pittsburgh decided to continue to incorporate the learning principles for the Chemathon challenges (<http://www.chem.umd.edu/chemathon/>) into his classes. Add a bit of his activation energy, jump over a few small barriers and see what products chemistry creates; learning, FUN, and a great experience for the students.

Mr. Anticole's new students have been participating in the MD Chemathon for three years despite the distance. His principal provides the bus, Mark supplies the challenge, and enough students train for the Chemathon that a few even are cut from the team based on the rules of 6 students each in Level I and Level II.

I must add a personal note. After helping our local HS program along for many years, this "pay-off" was grand! I hope the membership agrees and continues to support our activities. Please consider helping the programs.



## October Historical Events In Chemistry

By: Leopold May

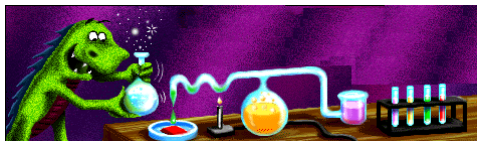
- October 2, 1908 One hundred years ago, Walter Baird, an analytical instrument maker, was born. He founded the Baird Corporation.
- October 3, 1811 A long article on spontaneous combustion by A. S. (Adam Seyfert) appeared in Philadelphia newspaper, Aurora on this date. It was the second article submitted by the Columbian Chemical Society.
- October 5, 1889 Dirk Coster, who discovered hafnium with Georg von Hevesy in 1923, was born on this date.
- October 6, 1783 Two-hundred and twenty-five years ago, François Magendie was born. He performed studies in nutrition and experimental pharmacology and did research on the importance of proteins and the effects of morphine, strychnine, and other chemical agents on human beings.
- October 8, 1883 One-hundred and twenty-five years ago, Otto H. Warburg was born. He was a researcher on respiration and cancer and received the Nobel Prize in Physiology or Medicine in 1931 for his discovery of the nature and mode of action of the respiratory enzyme.
- October 13, 1916 GM was incorporated on this date.
- October 15, 1608 Four hundred years ago, Evangelista Torricelli, the first man to create a sustained vacuum, was born. He discovered the principle of the barometer
- October 16, 1846 William T. G. Morton demonstrated the use of ether as an anesthetic at Massachusetts General Hospital on this date.
- October 18, 1844 Harvey W. Wiley, "The Father of Pure Food Law", was born on this day.
- October 19, 1909 Maguerite Perey, who discovered francium in 1939, was born on this date.
- October 21, 1833 One-hundred and seventy-five years ago, Alfred Nobel, who invented dynamite, was born. On November 27, 1895, Nobel signed his last will providing for the establishment of the Nobel Prize. He later constructed companies and laboratories in more than 20 countries all over the world.
- October 22, 1903 Fifty years ago, George Beadle received the Nobel Prize in Physiology or Medicine with Edward L. Tatum and Joshua Lederberg for their discovery that genes act by regulating definite chemical events researcher in chemical genetics. He was a researcher in chemical genetics. He was born on this date.
- October 23, Any Year** **Mole Day, 6.02 a.m. through 6.02 p.m. (Mole time); Mole Moment: 50.453 s after 6.42 p.m.**
- October 24, 1842 Nikolai A. Menshutkin, a researcher on the kinetics of nucleophilic substitution reactions of amines and quaternary ammonium ions, was born on this date.
- October 28, 1893 Christopher K. Ingold, who was born on this date, was a researcher in mechanisms of organic reactions and naming stereoisomers (Cahn-Ingold-Prelog system).
- October 30, 1817 Hermann F. M. Kopp was a researcher on atomic and molecular volume, crystallography, boiling points, specific heats, and dissociation. He was a historian of physical chemistry and was born on this date.

For more historical facts on chemistry, visit Dr. May's website at (<http://faculty.cua.edu/may/>)  
or the 'This Week in Chemical History' at the ACS website':

([http://portal.acs.org/portal/acs/corg/content?\\_nfpb=true&\\_pageLabel=PP\\_TRANSITIONMAIN&node\\_id=124&use\\_sec=false&sec\\_url\\_var=region1](http://portal.acs.org/portal/acs/corg/content?_nfpb=true&_pageLabel=PP_TRANSITIONMAIN&node_id=124&use_sec=false&sec_url_var=region1))

An informal association, Society for the Propagation of the Music of the Chemist-Composers, has been formed to publicize the music of chemist-composers. For information, see <http://faculty.cua.edu/may/SPMCC.htm> .





## Outreach

### National Chemistry Week - 'Having A Ball with Chemistry' (<http://chemistry.org/ncw>)

National Chemistry Week is an annual event sponsored by the National ACS but carried out locally through Local Sections such as the Maryland ACS. As usual, this year we are going out to various schools & libraries around our section and doing hands on experiments with elementary, middle, and high school students.

The National ACS publication for elementary & middle school students 'Celebrating Chemistry' is available for download via the National ACS NCW website (<http://chemistry.org/ncw>).

Members are welcome to attend/join in at any of the library events. Because schools restrict visitors, only members who know that they have time to join in at one or more school events will be given specific information on the events. If you are interested in joining us for a school event, please e-mail us at ([mdchem@mdchem.org](mailto:mdchem@mdchem.org))

October School Visits	Baltimore County	<ul style="list-style-type: none"> <li>• Johnnycake Elementary School, Baltimore, MD 21228</li> <li>• Colgate Elementary, Baltimore, MD 21224</li> <li>• Carver Center for the Arts HS, Baltimore, MD 21204</li> </ul>
	Harford County	<ul style="list-style-type: none"> <li>• Roye-Williams Elementary School, Havre de Grace, MD 21078</li> <li>• St. Joan of Arc School, Aberdeen, Maryland 21001</li> <li>• Hall's Cross Roads Elementary, Aberdeen, MD 21001</li> </ul>
	Baltimore City	<ul style="list-style-type: none"> <li>• Moravia Park Elementary, Baltimore, MD 21206</li> </ul>

<b>Friday, October 17 - 10-11am</b>	Howard County	East Columbia Library, Columbia, MD 21045
<b>Friday, October 17 - 2-3pm</b>	Howard County	Elkridge Library, Elkridge, MD 21075
<b>Saturday, October 25 - 1:30pm</b>	Cecil County	Rising Sun Branch, Rising Sun, MD 21911
<b>Monday, October 27 - 4:30-5:30pm</b>	Harford County	Abingdon Library, Abingdon, MD 21009
<b>Wednesday, October 29 - 4:30-5:30pm</b>	Harford County	Bel Air Library, Bel Air, MD 21014
<b>Monday, November 3 - 10-11am</b>	Howard County	Miller Library, Ellicott City, MD 21042
<b>Monday, November 3 - 2-3pm</b>	Howard County	Central Library, Columbia, MD 21044
<b>Tuesday, November 4 - 10-11am</b>	Howard County	Glenwood Library, Cooksville, MD 21723
<b>Tuesday, November 4 - 2-3pm</b>	Howard County	Savage Library, Laurel, MD 20723
<b>Wednesday, November 5 - 6:30-7:30</b>	Harford County	Edgewood Library, Edgewood, MD 21040
<b>Wednesday, November 12 - 4:30-5:30pm</b>	Baltimore City	Waverly Branch, Baltimore, MD 21218

### **\*NEW\* Terrific Science**

Mickey Sarquis (winner of the 2008 Helen M. Free Award for Public Outreach) and the wonderful team at Terrific Science have offered 20 free "Having a Ball with Sports"-themed activities available for download on their website (<http://www.terrificscience.com/>). If you don't have time to bring your student to one of our events, it's a good resource (besides the National ACS publication 'Celebrating Chemistry') for you to do some hands-on experiments at home and/or have some stimulating conversations. Check it out!

## Poster Contest

Students are invited to create a poster that celebrates the 2008 theme "Having A Ball With Chemistry" focused on chemistry and sports with an emphasis on chemistry/chemical principles or concepts in different sports and sporting equipment. Rules for the poster contest can be found on the National ACS website (<http://chemistry.org/ncw>). Submissions for the Maryland ACS **MUST** be submitted to Sandy Young by Friday, October 17<sup>th</sup>, 2008. (Please contact the Maryland Section directly to find out where to send your submissions: [mdchem@mdchem.org](mailto:mdchem@mdchem.org)). Several Executive Committee members will judge the posters based on the grade categories and the winner's for each grade category in our section will sent on to the National ACS for the National competition.

## Student Affiliate Corner

### Morgan State University

By: Louise Hellwig (Louise.Hellwig@morgan.edu)

So far this fall semester the Student Affiliates of Morgan State University visited the Maryland State Police Forensics Lab in Pikesville for a very interesting and enlightening tour. Morgan's SA-ACS has also had two meetings, one featuring their Dean, Dr. Joseph Whittaker, the other featuring members of the Public Health Service from Rockville.

### University of Maryland - Baltimore County

By: Tara Carpenter (carpent@umbc.edu)

UMBC is planning a sidewalk chalk chemistry promotion, a nanomole guessing contest, bake sale, "Build-A-Molecule" using gum drops and toothpicks, a hands-on non-Newtonian fluid exhibit and fun NCW giveaways. All events will be held on campus.

## Reminder: Applications are Being Accepted for the 2009 Undergraduate Student Travel Awards

Students can apply to receive up to \$500 for travel and expenses to attend a National ACS Meeting or up to \$300 to attend a Regional ACS Meeting. Open to undergraduate student affiliates of the ACS who are enrolled full time in a college or university in the Maryland Section.

The application should include:

- The meeting you plan to attend along with location, dates
- An estimated budget (cost for travel, registration, lodging, and meals)
- A 250 word essay describing your motivation for attending the meeting (if you plan to present, include a brief description of the work to be presented)
- A letter of support from a faculty member in your department

Review of applications will begin January 15<sup>th</sup> but will continue through the year until all funds are utilized. Applications should be mailed to: Dr. Paul Smith, UMBC, Department of Chemistry and Biochemistry, 1000 Hilltop Circle, Baltimore, MD, 21250 or sent via e-mail: [pjsmith@umbc.com](mailto:pjsmith@umbc.com).

## National Meeting Travel Grants Available for Student Affiliates

Active Student Affiliates chapters with students presenting posters at the Spring 2009 national meeting can apply for a \$300 travel grant. Applications are due by January 12, 2009. Information is available on the [National ACS website](#).

## MD ACS to host MARM 2011

The MD ACS is looking for volunteers to help organize the 2011 Mid-Atlantic Regional Meeting. The Maryland Section will be executing the MARM in 2011, and we need officers to co-chair the overall forum, the technical committee, publications, publicity, development, treasurer, exhibits, and local arrangements. We also need participation by any who wish to help without committing to a chair. Please contact the Maryland ACS via e-mail ([mdchem@mdchem.org](mailto:mdchem@mdchem.org)) if you can help.

## July Recap

### Maryland Section ACS - Annual PICNIC!

'Food, Family, Fun!' should have been the theme for the picnic. The MD ACS picnic is a yearly event held in July at Patapsco State Park's McKeldin Area. A small but energetic group of MD ACS members and their families came out to enjoy beautiful weather, eat great food, and have fun playing scrabble and dominoes. Some of the attendees also spent some time picking (and enjoying) the abundance of wild raspberries that fill the park. Many thanks to Alvin Bober for his time organizing the event, preparing the grill-able items, and doing most of the grilling!



Members Angela Sherman & Alvin Bober tend the grill.



Family members, Dylan & Loren Schechter, enjoy the food



Numerous MD ACS members and their family members face-off in the Scrabble tournament

### 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 [mdchem@mdchem.org](mailto:mdchem@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 ([mdchem@mdchem.org](mailto:mdchem@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 [mdchem@mdchem.org](mailto:mdchem@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.

## Maryland ACS

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.

### 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 [mdchem@mdchem.org](mailto:mdchem@mdchem.org).

Interested in holding your own Chemistry-in-the-Library Program?

We are looking at putting some supply kits together and having a short training event with luncheon for folks who plan to hold their own Maryland ACS sponsored science events at local libraries in the spring. Please contact us at [mdchem@mdchem.org](mailto:mdchem@mdchem.org) for more information.



**micron inc.**  
ANALYTICAL SERVICES

**MATERIALS CHARACTERIZATION**

**MORPHOLOGY   CHEMISTRY   STRUCTURE**

**OM / SEM / EDXA / TEM / SAED, EPA / WDXA,  
XRF / ESCA / AUGER / XRD  
DSC / TGA / MFTIR**

**3815 LANCASTER PIKE, WILMINGTON DE 19805  
Voice 302-898-1184, Fax 302-898-1836**

**E-Mail [micronanalytical@campuserve.com](mailto:micronanalytical@campuserve.com)  
WEB PAGE: [www.micronanalytical.com](http://www.micronanalytical.com)**

The Chesapeake Chemist is e-published monthly September through June by the Maryland Section of the American Chemical Society. Send submissions to the editor in electronic format. The Maryland Section is not responsible for opinions expressed herein. Editorials express the opinions only of the authors. The editor is not responsible for all unsigned material.