

Chesapeake Chemist

Maryland Section
American Chemical
Society



~ Dr. Donald A. Thomas ~

Director, Hackerman Academy of Mathematics and Science, Towson University
(<http://www.towson.edu/HackermanAcademy/index.asp>)

"Living and Working in Space"

Sunday, April 19, 2009 - 1:30pm - Berkshire Marriott Hotel, Towson, MD

April 2009

Volume 65, Number 6

Message from the Chair

Dear Fellow Members,

Spring time is here, and this month we celebrate several special events this season. During April we celebrate Passover the 9-15, on the 12th Easter, the 18th Spring Clean-up in Baltimore for Earth Day, on the 19th the special ACS Student Awards program, on the 22nd Earth Day, and on the 25th our Sections Earth Day events at the Maryland Science Center.

Taking part in activities like these gives you opportunities to share your gifts with others. We have the unique honor, on Sunday, April 19th, of hosting the Maryland ACS Section's Student Awards program. During this event we recognize the top Chemistry students, their professors, and families, from Colleges across the entire State of Maryland. How awesome is this? It is an honor to give these young men and women well deserved acknowledgements for their accomplishments, plus encouragement to keep working hard. These are some of our future leaders in academia, industry, government, as well as our Military. Please come and support your Section's celebration to honor these fine people.

Remember, the Maryland Section is here for your support ... please participate to show your support. We need volunteers, so we encourage you to find a committee which has a special interest for you. With 2,000 members, you all represent many diverse talents. It would also be nice to solicit recognition and support from our local industries that have chemists on their staff. My best wishes to each of you and your families.

Walter

April Meeting - Student Awards Luncheon

Sunday, April 19, 2009 - 1:00pm - Burkshire Marriott Hotel, Towson, MD

- | | |
|-----------|---|
| 1:30-2 pm | Registration and networking on the third floor. |
| 2-3 pm | Buffet dinner for 110+ people. |
| 3-5 pm | Student Awards |

The Maryland ACS would like to ~ Thank Merck ~ for donating 18 Merck Indices for the student awardees. (<http://www.merck.com/>) Their recognition of the students' achievements is most appreciated!!

and the guest speaker:

Dr. Donald A. Thomas

Director, Hackerman Academy of Mathematics and Science
Towson University

"Living and Working in Space"

~Question and Answer (10 minutes)~

Price: Members \$25; Retired Members and Guests \$20; Students who are not Awardees \$10.

Student awardees are free.

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

Where: **Burkshire Marriott Conference Center:** 10 West Burke Avenue, Towson, MD - directions at: (<http://www.mdchem.org/meetings/burkshire.html>) - underground parking is available

~ Directions, Abstract, & Speaker Information continued on Page 4 ~

ACS Maryland Section - Officers and Committee Chairs

Section Officers:

Chair 2009 - Walter Roy, McCormick & Company, Inc, (410) 771-7886; walter_roy@mccormick.com
Vice-chair (chair 2010) - Alvin Kennedy, Morgan State University, (443) 885-3115; alvin.kennedy@morgan.edu
Chair-elect (chair 2011) - Mike Zapf, McCormick & Company, Inc, (410) 771-7471 ; Mike_Zapf@mccormick.com

Secretary - Sara Narayan, Stevenson University - (443) 334-2326; snarayan@stevenson.edu

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

Councilors:

Merle I. Eiss
McCormick & Co, Inc
meiss32@aol.com

Stephanie J. Watson
NIST
stephanie.watson@nist.gov

David Roswell
Loyola College
droswell@lovol.edu

Charles Rowell
retired
cfrowell35@verizon.net

Alternate Councilors: Shekar Munavalli (ECBC), Shirish Shah (Towson), Paul Smith (UMBC), Joseph Topping (Towson)

Members at Large: Lance Baird (JHU-APL), Maurice Iwunze (Morgan), Angela Wells Winstead (Morgan), Takashi Tsukamoto (JHU)

Committee Chairs:

Student Awards (April) - George Farrant - (410) 455-4120; gfarrant@yahoo.com

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

Remsen Award (May/June) - Lev Ryzhkov; lryzhkov@towson.edu

Braude Award (October) - Charles Rowell

Maryland Chemist Award (December) - Angela Sherman - (410) 532-5713; ASherman@ndm.edu

Maryland Service Award - Shree Iyengar - (410) 777-2266; ssiyengar@aacc.edu

Programs:

Archives - Ernie Silversmith - (443) 885-3214
Career Planning - Linh Cheong - (410) 762-1159
Earth Day - Paul Smith, Lance Baird
(Lance.Baird@jhuapl.edu)
Environmental Issues - Shirish Shah - (410) 704-2720
sshah@towson.edu & Lance Baird
Finance Committee - Jan Kolakowski - (410) 436-2755
jan.kolakowski@us.army.mil
Government Relations - Shirish Shah & Robert von Tersch - robert.l.vontersch@us.army.mil
Long Range Planning - Shekar Munavalli
MARM - Shirish Shah & Paul Smith
Membership - Merle Eiss
Minority Affairs - Alfred Amah - (410) 602-7164;
aamah@coppin.edu
Public Relations - Shirish Shah & Walter Roy,
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

Educational Programs:

Chemistry Olympiad/Chem-a-Thon -
Shirish Shah & Mike Zapf,
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 / Sandy Young
National Chemistry Week (NCW) -
Shirish Shah & Sandy Young

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

Webmaster - Sandy Young (mdchem@mdchem.org)

Chesapeake Chemist Editor:

(mdchem@mdchem.org)

Have a job to post?, a good news chemistry story? - contact the Maryland Executive Committee through e-mail via: (mdchem@mdchem.org).

Directions to Burkshire Marriott Conference Center: 10 West Burke Avenue, Towson, MD

- From the Baltimore beltway, I-695, follow to exit 27, Dulaney Valley Road
- The Burkshire 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 Burkshire'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 by the elevators to locate the dining room

Abstract: "Living and Working in Space"

As a mission specialist astronaut for NASA, Dr. Thomas has flown on four different space shuttle missions and has spent 44 days in space. Three of his missions were dedicated microgravity sciences flights that involved a science module called Spacelab that was flown in the payload bay of the space shuttle.

These missions involved twenty four hours a day operations and would consist of approximately 100 different experiments from a wide range of disciplines. This talk will give examples of some of the science performed in space and details about what it is like to live and work in a world of perpetual free-fall.

About the speaker



Dr. Donald A. Thomas

Director

Hackerman Academy of Mathematics and Science

Towson University

8000 York Road

Towson, MD 21252-0001

Phone: 410-704-3659

E-mail: dathomas@towson.edu

<http://www.towson.edu/HackermanAcademy/index.asp>

Speaker Bio:

Don Thomas was born in Cleveland, Ohio, where he received his undergraduate degree in physics from Case Western Reserve University. He holds a master of science degree and a doctorate in materials science from Cornell University.

From 1982-87 Dr. Thomas was a senior member of the technical staff at Bell Laboratories in Princeton, New Jersey. From there he went on to work for NASA at the Johnson Space Center in Houston, Texas. In 1990 he was selected in NASA's 13th group of astronauts. During his career at NASA he flew as a mission specialist on 4 different Space Shuttle missions, completing nearly 700 orbits of the Earth and traveling some 17 million miles. From 2003-2006, Dr. Thomas was the International Space Station (ISS) Program Scientist and was responsible for the planning and scheduling of science activities aboard the ISS.

In August 2007 Dr. Thomas joined Towson University where he is the director of the newly formed Hackerman Academy of Mathematics and Science, an outreach program targeting middle and high school students in the Baltimore area to get them more interested in careers in math and science.

Nominations for the 2009 Maryland Chemist Award

The Maryland Chemist Award Committee is accepting nominations for the 2009 Maryland Chemist Award. 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. If you can not 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, 2009.

Maryland Section of the ACS Student Awardees for 2009

Anne Arundel Community College

Justin Poe



College of Notre Dame of Maryland

Kaitlin Schrote



CCBC-Catonsville

Sonay Naqib



Coppin State College

Maurice Narcis



Goucher College

Evan Collins



Hood College

Tiffany Gutkowski



Howard Community College

Chris Iglehart



Johns Hopkins University

Rachael Kerr



Loyola College

Elise M. Heiss



McDaniel College

Hayley Grist



Morgan State University

Oyebola A. Oladeinde



Mount Saint Mary's University

Christine Marie Wroge



Saint Mary's College of Maryland

Debbie Knot



Stevenson University

Christopher Stack



Towson University

Brittany Beattie



United States Naval Academy

Midshipman 2/C Zane A. Fayos



University of Maryland - Baltimore County

George E. Cutsail III



Washington College

Caitlin S. Coates



Reminder: Applications are Still 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 15th 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.edu.

Student Affiliate (SA) Corner

Morgan State University - Dr. Louise Hellwig



One of our executives, Rene Raphemot, established a presence for the club on Facebook at MSU Chem Club. Now we can post announcements and photos on Facebook and have discussion threads.

In February six of us visited the National Cancer Institute on Fort Detrick in Frederick MD for a most interesting and informative tour of their labs (see photo). Morgan 1999 alum, Dr. Jerainne Johnson, now at NIST, spoke to a club meeting about her career path through graduate school. And one afternoon during Midterm week the Student Affiliates held a Tutoring/Study Session.

Our SA president, Oyebola Oladeinde, presented a poster at the ACS National Meeting in Salt Lake City; his travel was partially funded by a Travel Grant from the Maryland Section of the ACS.



Spring 2009 - Important Dates



March 31, 2009	March MD ACS Dinner Meeting – Location: Fleet Reserve Club - Annapolis, MD
April 4, 2009 (Saturday)	MD ACS Earth Day Community Event – Project Clean Stream – Herring Run Park (Argonne Drive & Harford Road), Baltimore, MD
April 2009	Student Awards Meeting – Date/Location to be determined
April 18, 2009 (Saturday)	Spring Clean-Up Day in Baltimore City – when is your city/town’s spring clean-up/Earth Day event??
April 19, 2009	Student Awards Meeting, location: Burkshire Marriott
April 22, 2009	Earth Day
April 25, 2009	Earth Day Events (including MD ACS) at the Maryland Science Center
May 22, 2009 (Friday)	New 50-year member luncheon celebration - Belmont Conference Center– directions at: (http://mdchem.org/meetings/belmont.html) – speaker: Mr. Kris Johannssen, Ameriprise Financial



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 12, 2009 (Sunday)	MD ACS Annual Picnic, McKeldin Area, Patapsco State Park – Directions at: (http://mdchem.org/meetings/patapsco-mckeldin.html).
August 16-20, 2009	238 th National ACS Meeting & Exposition, Washington DC (http://chemistry.org/meetings)



Fall 2009 – Important Dates



September 2009	Section Meeting – Details To-Be-Announced
October 2009	Section Meeting & Braude Award Dinner – Details To-Be-Announced
November 2009	Section Meeting – Details To-Be-Announced
November 15, 2009	America Recycles Day (http://nrc-recycle.org/americanrecycles.aspx)
December 2009	Section Meeting & Maryland Chemist of the Year Award Dinner

Travel discounts for ACS Meetings

If you’re traveling to one of the ACS [National](#) or [Regional](#) Meetings in 2009, you can take advantage of discounted airfare and auto rental rates that National ACS has negotiated; just cite the discount codes below when making your reservations.

Continental Airlines, (800) 468-7022
 Spring National Meeting - ZENXB0WG9K
 Fall National Meeting - ZENYB0XTJ6
 Regional Meetings - ZF5FB0Z9Y4 (all)

American Airlines, (800) 433-1790
 Spring National Meeting - A213AN
 Fall National Meeting - A1489AB
 Regional Meetings - A6659AH (Great Lakes), A269AI (Northwest), A71H9AA (Northeast/Midwest/Southeastern), and A33N9AB (Southwest)

Avis Auto Rentals, (800) 331-1600
 All meetings -B120799

Hertz Auto Rentals, (800) 654-2240
 All meetings - CV# 02UZ0008

COUNCILOR SPRING 2009 MEETING REPORT

By: **Stephanie Watson**

The Council of the American Chemical Society met during the 237th National Meeting in Salt Lake City, UT on Wednesday, March 25 from 8 AM to 12 noon. All four Maryland Councilors (Merle Eiss, David Roswell, Charles Rowell, and Stephanie Watson) were in attendance. After the opening call-to-order, a resolution was read and a moment of silence was observed in honor of deceased councilors and members of the Board of Directors. The minutes of the previous meeting in Philadelphia, PA were then approved.

After oral reports from elected officers and the Executive Director followed, the Council then moved to undertake its major tasks:

Election Results

- The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2010: Berkeley W. Cue, Jr., Nancy B. Jackson, Cheryl A. Martin, and Dorothy J. Phillips. By electronic ballot, the Council selected Nancy B. Jackson and Cheryl A. Martin as candidates for 2010 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election. We urge you to read the platforms from these candidates that will be presented in C&EN News and then vote your choice in the upcoming Fall Election.

Petition to Amend Bylaws (For Consideration)

- The Council received one petition for consideration: the Petition on Election Timelines 2009. According to the proposing committee, this petition presents election procedure refinements that are intended to provide a fair, consistent, and equitable process, which balances the concerns and needs of participants, as requested by Councilors and candidates. Action is expected on the petition at the fall Council meeting.

The Society's Finances

- The Council and Board of Directors received extensive briefings on the Society's finances, which showed that in spite of the economic challenges faced in 2008, the Society's operating performance held up well. Total revenue was approximately \$450 million, up just over 3% from 2007. The Society's Net from Operations was \$9.7 million, and \$560,000 favorable to budget. This is the fifth consecutive year of positive operating results.

However, in 2008 ACS was adversely impacted by the historic collapse in the capital markets, which resulted in a sharp decline in the Society's unrestricted net assets from \$212 million at December 31, 2007, to \$60 million at December 31, 2008. There were two factors driving this decrease, both related to the poor performance in the capital markets. These are substantial investment losses and a sizable increase in pension liability from the Society's Defined Benefit Pension Plan. For this and other reasons, action was taken in 2007 to close the Defined Benefit Pension Plan, and, in 2008, to freeze benefit accruals for all Defined Benefit Pension Plan participants in 2009.

It is in this context that the Board received a detailed briefing from management at this meeting on the framework of the 2009 Contingency Plan. In 2006, the Society had the foresight to develop a robust Contingency Plan that contemplated potential threats from many different sources, their probability of occurrence, likely duration and financial impact. The updated 2009 Plan covers all operating and administrative units as well as member programs, and identifies new and emerging threats. ACS management has also updated the mitigation strategies to respond to the threats and ensure the Society's long-term financial sustainability.

Society management and the Board of Directors are closely monitoring financial performance versus the budget. In addition, significant reductions in discretionary spending have already been implemented and additional cost control measures are under consideration. However, despite the adverse impact of the economic downturn, the Society remains highly liquid with more than \$275 million in cash and investments, and limited debt of \$30 million.

2010 Member Dues

- After a lengthy discussion and rejection of two amendments, the Council VOTED to set the member dues for 2010 at the fully escalated rate of \$145. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws. The vote was 348 to 70.

Member Statistics

- At the close of 2008, Society membership totaled 154,024, compared to 160,052 for year-end 2007. In 2008, ACS completed the transition of its 15 year-old membership fulfillment system to a new, more robust system. The year-end 2008 membership numbers reflect a drop in membership of approximately 2% due to the economy and a correction to the counts of 2,589 Emeritus members whom ACS has not been able to reach for many years. Compared to its sister societies, ACS experienced a smaller loss of members in 2008.

Special Discussion Item

- A special discussion item was again put on the Council agenda for this meeting. ACS President Thomas H. Lane invited the Chair of the Committee on Membership Affairs to present the results of a Councilor survey as a preface to the discussion on *what can ACS do to attract new members while better serving our membership during these challenging economic times*. Following the presentation, President Lane led Councilors in a lively discussion that focused on the value of ACS membership and on growth opportunities among students, international scientists, high school teachers, technicians, diverse ethnic groups and others.

Attendance Report

- As of March 25, 2009, the ACS spring national meeting had attracted 10,668 registrants as follows: Regular attendees 5,781; Students 3,439; Exhibitors 780; Exposition only 411; and Guests 257.

Professional Employment Guidelines

- The Council VOTED to approve the Professional Employment Guidelines, as submitted by the Committee on Economic and Professional Affairs. These guidelines offer a broad spectrum of recommended practices in employment for professional scientists and their employers.

No subsequent reports led to significant discussion and being no further business the Council adjourned.

Respectfully submitted for the MD Councilors.

RE-SEED (*Retirees Enhancing Science Education through Experiments and Demonstrations*)

Since 1991, the RE-SEED program at Northeastern University has trained retired scientists and engineers and others with backgrounds in science or mathematics to provide classroom assistance to K-12 science teachers. There are over eighty volunteers assisting science teachers in the greater Boston area. After taking part in a comprehensive training program, participants typically assist in school classrooms one day a week for most of the academic year. The RE-SEED Program is part of the Center for STEM (science, technology, engineering and mathematics) Education at Northeastern University. Other programs focus on science teacher training and student assistance in science learning.

Northeastern University has assisted in the formation of more than fourteen regional volunteer centers where over 600 RE-SEED volunteers have worked in schools in about 100 communities throughout the country, offering approximately 600,000 hours of their time. You can learn more about RE-SEED by visiting their website, www.reseed.neu.edu or by calling Paul Conroy at 617-373-8388 or by email to pa.conroy@neu.edu.

The Center for STEM Education, Northeastern University, 1135 Tremont St., Suite 940 RP, Boston, MA 02120



April Historical Events In Chemistry

By: Leopold May

- April 2, 1877
April 5, 1827
April 6, 1927
April 8, 1911
April 10, 1863
April 11, 1799
April 12, 1773
April 14, 1969
April 16, 1838
April 18, 1924
April 19, 1912
April 21, 1970
April 23, 1858
April 25, 1900
April 26, 1775
April 28, 1941
April 29, 1904
April 30, 1958
- Carl L. Alsberg, who was born on this date, was a researcher in the chemistry of food
Joseph Lister, who introduced antiseptics, such as carbolic acid (phenol), was born on this date.
Edmond H. Fischer, who was born on this date, is a researcher on protein phosphorylation as a biological regulatory mechanism. In 1992, he shared the Nobel Prize in Medicine with Edwin G. Krebs for their discoveries concerning reversible protein phosphorylation as a biological regulatory mechanism.
Melvin Calvin, who received the Nobel Prize in Chemistry in 1961 for his research in photosynthesis, was born on this date.
Paul Louis Toussaint Héroult discovered the electrolytic aluminium process in 1886, the same year that Charles Martin Hall discovered the same process for isolating aluminum, which is called the Hall-Heroult process. In 1900, He invented the electric arc furnace for steel, which replaced some giant smelters for the production of a variety of steels. He was born on this date.
Humphry Davy discovered nitrous oxide, laughing gas on this date.
Thomas Thompson, who was born on this date, invented the instrument known as [Allan's saccharometer](#). He identified a zeolite mineral named [thomsonite](#); promoted Dalton's atomic theory and Prout's hypothesis in his journal *Annals of Philosophy* and his book *System of Chemistry*.
NASA's Nimbus III weather satellite made the first civilian use of nuclear batteries on this day.
Ernest Solvay developed the Solvay process for making commercial soda cheaply, and was born on this date.
Quantum Chemical incorporated as National Distillery Products Corp. on this day.
Fifty years ago in 1958, Glenn T. Seaborg co-discovered nobelium. He was born on this date and shared the Nobel Prize in Chemistry in 1951 with Edwin M. McMillan. He also co discovered americium, 1944, berkelium, 1950, californium, 1950, curium, 1944, einsteinium, 1952, fermium, 1953, mendelevium, 1955, plutonium, 1940, and element 106, 1974.
The first Earth Day was founded by Sen. Gaylord Nelson, Father of Earth Day and organized by Denis Hayes and celebrated on this day. It is celebrated by ACS on April 22.
One hundred and fifty years ago, Max K. E. L. Planck was born on this date. In 1900, he introduced the quantum theory and was awarded the Nobel Prize in Physics in 1918 in recognition of the services he rendered to the advancement of Physics by his discovery of energy quanta.
Wolfgang Pauli, who was born on this day, discovered the exclusion principle and received the Nobel Prize in Physics in 1945 for the discovery of the Exclusion Principle, also called the Pauli Principle.
Antoine L. Lavoisier reported on this day that heating mercury in air forms red calx, HgO, while the air is reduced in volume and no longer supports combustion. He heated red calx to liberate oxygen.
K. Barry Sharpless who discovered and developed many catalytic oxidation processes for stereoselective oxidation, was born on this date. He shared the Nobel Prize in Chemistry in 2001 with William S. Knowles and Ryoji Noyori for their work on chirally catalyzed hydrogenation reactions
Nashua incorporated as Nashua Card, Gummed & Coated Paper on this day.
Fifty years ago, Albert Ghiorso, et al., announced the discovery of mendelevium based upon research done at the University of California, Berkeley.

For more historical facts on chemistry, visit Dr. May's website at <http://faculty.cua.edu/may/>.

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

Chemists Celebrate Earth Day 2009 - Theme: Air – The Sky's the Limit

National ACS plans to publish an Earth Day handout again this year. When it is available we will have publish the link in the Chesapeake Chemist & on our website.

Date:	Location:
Friday, April 3 rd , 2009 - 2pm	Elkridge Library, Elkridge MD (Howard County)
Friday, April 17 th , 2009 - 12pm	Rawlings Conservatory (Baltimore City)
Monday, April 20 th , 2009 - 5pm	Waverly Library, Baltimore, MD (Baltimore City)
Wednesday, April 22 nd , 2009 - 3:30pm	Chesapeake City Library, Chesapeake City, MD (Cecil County)
Thursday, April 23 rd , 2009 - 10am	East Columbia Library, Columbia, MD (Howard County)
Thursday, April 23 rd , 2009 - 2pm	Miller Library, Ellicott City, MD (Howard County)
Wednesday, May 6 th , 2009 - 3:30pm	Rising Sun Library, Rising Sun, MD (Cecil County)
Friday, May 15 th , 2009 - 10am	Savage Library, Laurel, MD (Howard County)
Friday, May 15 th , 2009 - 2pm	Glenwood Library, Cooksville, MD (Howard County)

Stop in and join us if you have time!! If you have any questions or want to assist with an event, please feel free to contact us at (mdchem@mdchem.org).

Earth Day at the Maryland Science Center

MD ACS will be at the Earth Day events at the Maryland Science Center. The MD ACS will have tables set up and be doing hands-on experiments with young students.

What: Earth Day event

When: Saturday, April 25th, 2009 - 12-4pm

For those who wanted to do the soil testing at the WCC dinner that was cancelled, you can bring your soil to this event!! One of the hands-on activities IS soil testing!

If you have any questions or want to assist with an event, please contact Maryland ACS POCs: Paul Smith, UMBC, (pjsmith@umbc.edu) or Lance Baird, JHU-APL, (Lance.Baird@jhuapl.edu).

2009 Chemistry Olympiad - April 2009

The 2009 Chemistry Olympiad Program is underway. If you have contact with a high school teacher whom you think would participate in the program, please have them contact Mike Zapf for registration for the competitive exam. The deadline for receipt of their student nominations to the Maryland Section is Friday, April 10th. Only two students per school are permitted and our Section may test only 13 students.

Maryland ACS Point-of-Contact: mike_zapf@mccormick.com, 410-771-7741

2009 High School ChemaThon

The 25th annual High School ChemaThon is being held on Sat. April 25, 9am-12pm at the University of MD, College Park campus. (The MD Section is one of the sponsors, providing some prizes).

The organizers could use some more Chemathon judges for the event. If anyone is interested please contact Phil DeShong, deshong@umd.edu.



Pre-Earth Day Clean-Up Herring Run Watershed Saturday, April 4th, 2009



For Chemists Celebrate Earth Day (CCED) 2009, the ACS theme is "Air-The Sky's the Limit". The Maryland Section (<http://mdchem.org>) continues to team up with the Herring Run Watershed Association (<http://www.herringrun.org/>) for Project Clean Stream, a pre-Earth Day Clean-Up event in Baltimore. Mark your calendar and plan to come on out and lend a hand! This is an excellent opportunity to teach young students important lessons about trash in our environment.

When?: Saturday, April 4th, 2009

Clean-up from **9am - 12pm** - come for an hour or stay the whole time - we appreciate your participation!

For those who wanted to do the soil testing at the WCC dinner that was cancelled, you can bring your soil to this event!! The Maryland ACS will have free soil testing kits available for the first 50 interested people!!

Where?: Location is at Herring Run Park in northeast Baltimore City adjacent to Lake Montebello (the park entrance is at the intersection of Harford Road and Argonne/Parkside Drives)

- Wear sturdy shoes and old clothes!
- Bags and gloves will be provided
- Refreshments will be available (drinks/snacks) as well as 'Earth Day' t-shirts for the first 75 participants (whether an ACS volunteer or not)

For questions about this event or directions, please contact Maryland ACS POCs: Paul Smith, UMBC, (pjsmith@umbc.edu) or Lance Baird, JHU-APL, (Lance.Baird@jhuapl.edu).

You can also participate at another site! If you want to join in Project Clean Stream at another site in Maryland, information is available at the website for the *Alliance for the Chesapeake Bay* (http://www.alliancechesbay.org/event.cfm?EVENT_ID=779).

Green Chemistry Conference slated for June in College Park, Md.

The 13th Annual Green Chemistry & Engineering Conference will be held June 23-25 in College Park, Md.

This year's Conference will focus on progress made toward research objectives identified in the National Academy of Sciences' 2006 landmark report, "Sustainability in the Chemical Industry: Grand Challenges and Research Needs."

The conference features presentations by researchers, regulators, educators and corporate leaders in the fields of green chemistry, green engineering and sustainability. It is organized and sponsored by the ACS Green Chemistry Institute®, with additional sponsor support from the American Chemical Society, Dow Chemical Company, the ACS GCI Pharmaceutical Roundtable and the National Institute of General Medical Sciences.

Len Sauers, Ph.D., Vice President of Global Sustainability for The Procter & Gamble Company, and Jean-Michel Cousteau, noted explorer, film-producer and environmentalist, are the featured keynote speakers.

Sauers will address the convention on June 24. Cousteau, son of famed ocean adventurer Jacques Cousteau, will address the convention on the 25th.

The conference kicks off on June 23 with presentations by winners of this year's Presidential Green Chemistry Challenge Awards. The annual challenge awards, a collaboration between the ACS Green Chemistry Institute® and the U.S. Environmental Protection Agency, will be presented the evening before the conference, June 22, at the Carnegie Institution of Washington.

Information on the conference is available at www.gcande.org. You can also contact ACS Staffer Marvin Coyner at (202) 872-4493.



Maryland Section ACS - Annual PICNIC!



The Maryland Section, American Chemical Society, will again sponsor a family picnic. The Section will provide hotdogs, hamburgers, chicken, sodas, condiments, paper goods, cups, utensils, etc... The McKeldin Area has a ball diamond, basketball court, volleyball court, hiking trails, horseshoe pits, wading stream and more. **BRING YOUR SPORTS EQUIPMENT!!**

Once again this year, there will be a Scrabble tournament and a Domino contest. Please bring your sets and dictionaries.

WHEN: Sunday, JULY 12, 2009

WHERE: PATAPSCO STATE PARK, PAVILION #501, McKeldin Area (Marriottsville Road)

TIME: Noon to 5.00P.M.

DIRECTIONS: Route I-70 to Marriottsville Road, 5 miles north on Marriottsville Road to park entrance on the right. Map available on our website: (<http://mdchem.org/meetings/patapsco-mckeldin.html>)

To make the picnic a special food fest, we are inviting participating **families to bring a food dish.** Please use the initials formula shown below:

A-F	side dish	G-L	salad
M-R	snack	S-Z	dessert

Fees: \$15.00 per family; \$7.50 per individual. Reservations: Please send checks, payable to Maryland Section, ACS, to:

Alvin Bober

9800 Middle Mill Drive

Owings Mills, MD 21117

(by July 1st)

Late reservations: Call 410-581-5321

or e-mail abober@verizon.net

Entrance to the Park is free for Seniors (62 & up) and for children under 16. There is a small fee for others.



50 Year Member Luncheon Being Celebrated Soon!

10 new 50-year members will be inducted this spring in the Maryland ACS. For those being inducted into this prestigious group of members - Congratulations on reaching the 50-year member milestone!! Every year, the Maryland Section arranges a luncheon to mark the event. 50-year members are celebrated with a plaque ACS has issued in their honor and many choose to regale the attendees with some of the unique experiences from their long and industrious careers. It is truly a delight for all who attend. Please join us!!

Save the date to join us to celebrate the newest 50-year members at the 50-Year Member Luncheon.

When: May 22, 2009 (Friday), 12pm, New 50-year member luncheon celebration - Belmont Conference Center

Where: Belmont, the Howard County Community College retreat just off Route 1 in Elkridge, MD - directions at: (<http://mdchem.org/meetings/belmont.html>)

50-Year Members:

1. Ann Brown
2. Gwendolyn Chmurny
3. Richard Herrett
4. James Leslie
5. Louis Reiff
6. Martin Stutz
7. Joshua Youlus

60-Year Members:

1. Meyer Schwarz
2. William Hydro
3. Dale Fisher
4. Edward Wilsey
5. Werner Cohen
6. William Smolin
7. William Kendall
8. Carl Love
9. John Conbere
10. Gordon Smith

* 3 members did not wish to have their names published

Position: Sr. Scientist, Microbiology in the midwest for a very well-known global CPG company Job purpose: To develop and recommend practices and procedures (e.g., HACCP, challenge testing, etc) to allow the company to effectively handle business line expansion without disruption. Will assess, justify and implement new technologies to help support product safety and proactively address regulatory concerns (e.g., emerging pathogens). Will be well versed in all aspects of routine microbiological testing (sterility testing, shelf life studies, etc) with respect to food and related products.

Accountabilities:

Perform complex technical assignments within the microbiological discipline with no oversight	Co-create technical strategic direction including initiating programs in area of technical expertise
Identify, recommend, justify and implement new technologies	Develop and promote own technical programs
Support the ongoing development of less senior technical staff	Support Novartis programs and policies, including affirmative action goals and commitments, HSE strategies, and corporate citizenship initiatives

Requirements: BS + 10 years, MS + 7 years or PhD + 4 years

Broad and current knowledge of general food microbiology and familiarity with operation and upkeep of instrumentation. Solid understanding of GMPs, working experience in HACCP, challenge testing, sterility testing /cleaning validation protocols and shelf life determinations, strong applied understanding of the interplay of microbial testing with respect to product safety concerns, raw material storage, production and finished testing. Plant experience considered a plus. If interested or would like to discuss further, please contact Ashley Brown at CPS, Inc.

Ashley Brown
 CPS, Inc.
 815-756-1221
 thefoodrecruiter@hotmail.com

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).

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, 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, 800-333-9511 or 614-447-3671 today and let us know how we can help.

Take Our Daughters and Sons to Work Day

On Thursday April 23rd, 2009 workers across America will bring their school-aged children to work. Many employers plan programs to give children a glimpse into the world of work. And it isn't unusual for chemists to be asked to present demonstrations and hands-on activities. These science sessions can easily become the most popular part of the program!

If you have been asked to present activities or if you would like to make sure that science is a part of the program at your workplace, turn to ACS education resources.

Make Your Own Science Activity Kit with Kids & Chemistry

Each kit contains all the materials needed to present a one-hour hands-on science lesson for up to 32 students. Go online to www.acs.org/outreach. Volunteer with Kids & Chemistry and then click on Make Your Own Science Activity Kit to see the options and for more information. Choose from *Jiggle Gels*, *Chemistry's Rainbow*, or *What's New, CO₂?* and present an exciting and educational set of activities the kids will love. Kits are available for \$40 each and contain most everything you will need. Chemists with access to dropper bottles, the necessary chemicals, and a photocopier can put kits together on their own.

Contact the National ACS Kids & Chemistry staff at kids@acs.org for additional help planning hands-on science activities for kids.

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.

Our Section is always looking for volunteers for our various committees. We are currently looking to fill positions for:

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

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

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 - 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

To ensure that you receive the Chesapeake Chemist, please add the MD ACS e-mail (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 - 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.

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.



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Phone: 302-998-1184, Fax: 302-998-1836

E-mail: (micronanalytical@compuserve.com)
Website: (<http://micronanalytical.com/>)

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