

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 13, 2008 - 1:00pm - Berkshire Marriott Hotel, Towson, MD

April 2008

Volume 64, Number 6

Message from the Chair

By: Lev Ryzhkov

Please join us for the April Meeting.

April Meeting – Student Awards Luncheon

Sunday, April 13, 2008 – 1:00pm – Burkshire Marriott Hotel, Towson, MD

1:00-1:30 pm Registration and networking on the third floor.
1:30-2:30 pm Buffet dinner for 110+ people.
2:45-4:00 pm Student Awards

The Maryland ACS would like to ~ Thank Merck ~ for donating 19 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>

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.

~ Speaker Information continued on Page 4 ~

ACS Maryland Section - Officers and Committee Chairs

Section Officers:

Chair - Lev Ryzhkov, Towson University - (410) 704-3831; lryzhkov@towson.edu

Vice-chair - Walter Roy, McCormick & Company, Inc, (410) 771-7886; walter_roy@mccormick.com

Chair-elect - David Herlocker, McDaniel College, (410) 857-2494 dherlock@mcdaniel.edu

Secretary - Sara Narayan - (443) 334-2326; 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

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Charles Rowell
(410) 647-9452
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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

MD ACS Student Grants (April) - Susan Mercer - sgill002@umaryland.edu or Paul Smith, pjsmith@umbc.com

Remsen Award (May/June) - Lev Ryzhkov

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

Environmental Issues - Shirish Shah - (410) 704-2720
sshah@towson.edu & Sandy Young

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 & Alan Samuels -
alan.samuels@us.army.mil

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

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)

It is with great sadness that we received the news of our current chair-elect's passing - Dr. David Herlocker, from McDaniel College. Our sympathies go out to his family.
<http://www.baltimoresun.com/news/obituaries/bal-md.ob.herlocker25mar25,0,5642194.story>

About the speaker



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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 2008 Maryland Chemist Award

The Maryland Chemist Award Committee is accepting nominations for the 2008 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, 2008.**

MD ACS to host MARM 2011 or 2012

The MD ACS is looking for volunteers to help organize the 2011 or 2012 Mid-Atlantic Regional Meeting. The Maryland Section has an opportunity to execute the MARM in 2011 or 2012, 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 Alan C. Samuels (phone: (410)-436-5874; e-mail: alan.samuels@us.army.mil) if you can help.

Maryland Section of the ACS Student Awardees for 2007

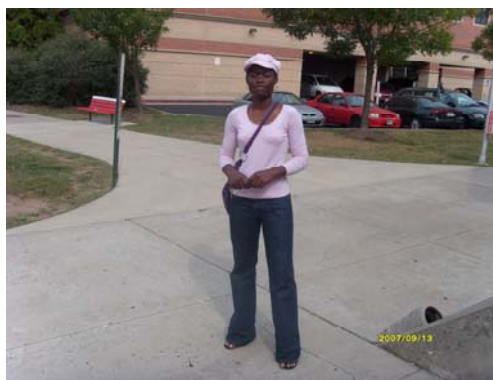
Anne Arundel Community College

Seung Lee



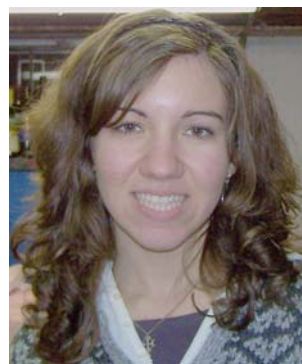
Baltimore City Community College

Ghislaine Boliong Amang



College of Notre Dame of Maryland

Angela Buonauguro



CCBC-Catonsville

Amanda Loraine Eisenschmid



Coppin State College

Anelle Arjoon



Goucher College

Martha Beckwith



Hood College

Mehwash Naseem



Howard Community College

Hardikkumar D. Patel



Johns Hopkins University

Emma Morrison



Loyola College

Kevin W Murawski



McDaniel College

Erin Bosley



Morgan State University

Yanique S. G. Thomas



Mount Saint Mary's University

Melanie Pistolas



Saint Mary's College of Maryland

Michael A. Nelson



Towson University

Rachel Reese



United States Naval Academy

Midshipman 2C Kyle D. Checchi



**University of Maryland - Baltimore
County**

Elizabeth Kuhn



Villa Julie College

Lindsay Koepper



Washington College

Katricia M. Stevens



Reminder: Applications are Being Accepted for the 2008 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.com.



Spring 2008 - Important Dates



- April 5, 2008 (**Saturday**) MD ACS joins the Herring Run Watershed for Project Clean Stream in Baltimore City
- April 6-10, 2008 235th National ACS Meeting & Exposition, New Orleans, LA
(<http://chemistry.org/meetings>)
- April 12, 2008 (**Saturday**) Workshop/Symposium: Chemical Toxicology in Action (Washington, DC)
- April 13, 2008 (**Sunday**) Student Awards/April MD ACS Meeting, speaker: Dr. Donald A. Thomas, NASA Astronaut (Former), Director of the Hackerman Academy, Towson University - Burkshire Marriott, Towson, MD - directions at: (<http://mdchem.org/meetings/burkshire.html>)
- April 20, 2008 (**Sunday**) Chemistry Olympics - College of Notre Dame, Baltimore, MD - directions at: (<http://mdchem.org/meetings/notredame.html>) POC: Shirish Shah, (sshah@towson.edu), (410) 704-2720
- April 22, 2008 Earth Day (<http://chemistry.org/earthday>)
- May 18-21, 2008 40th Mid-Atlantic Regional Meeting (MARM), Queensborough Community College of the City University of New York (<http://www.marmacs.org/2008/>) - Theme: Chemistry & Health
- May 2008 Section Meeting - Date/Location to be determined - speaker: Major David S. Johnston, Director, Laboratory Sciences, USACHPPM
- May 23, 2008 (**Friday**) New 50-year member luncheon celebration - Belmont Conference Center- directions at: (<http://mdchem.org/meetings/belmont.html>)



Summer 2008 - Important Dates



- June 4, 2008 Remsen Award & Dinner Meeting - Awardee: Dr. John Tully will give a presentation on 'Chemical dynamics at metal surfaces: the role of electronic excitations' - Johns Hopkins University, Baltimore, MD - directions at: (<http://mdchem.org/meetings/JHU.html>)
- June 16, 2008 Student Affiliate National Meeting Travel Grant application deadline
- July 13, 2008 MD ACS Annual Picnic, McKeldin Area, Patapsco State Park - Directions at: (<http://mdchem.org/meetings/patapsco-mckeldin.html>). Scrabble and domino players are encouraged to attend
- August 17-21, 2008 236th National ACS Meeting & Exposition, Philadelphia, PA
(<http://chemistry.org/meetings>)



Fall 2008 - Important Dates



- November 15, 2008 America Recycles Day (<http://nrc-recycle.org/americanrecycles.aspx>)



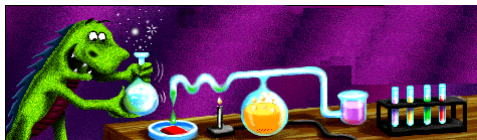
April Historical Events In Chemistry

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 2008 – Theme: Streaming Chemistry

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

Events:

Friday, April 4 th , 2008 – 2pm	Elkridge Branch – Howard County Public Library
Tuesday, April 22 nd , 2008 – 4:00pm	Waverly Branch – Enoch Pratt Public Library (Baltimore City)
Saturday, May 3 rd , 2008 – 2pm	Rising Sun Branch – Cecil County Public Library
Saturday, May 10 th , 2008 – 1pm	Perryville Branch – Cecil County Public Library
Friday, May 16 th , 2008 – 10am	Miller Branch – Howard County Public Library
Friday, May 16 th , 2008 – 1pm	Savage Branch – Howard County Public Library

Earth Day at the Maryland Science Center

The Maryland Science Center is hosting Earth Day events on Saturday, April 19th, 2008 from 10am-4pm. **The MD ACS will have tables set up and be doing hands-on experiments with young students from 10am-2pm.**

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).

Chemistry Olympiad

The National Chemistry Olympiad program is currently underway. The Section may test up to thirteen students (only 2 from a single school) for the examination in April which is scheduled to be held at the College of Notre Dame in Baltimore. Interest in the exam in our area began early.

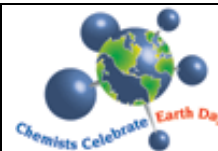
The exam is in three parts and includes a lab practical. If you are interested in becoming a proctor for one of the parts, please contact Mike Zapf (Mike_Zapf@mccormick.com). The MD ACS section students will be among 1000 tested in the United States. Twenty students in the US will then be chosen for intensive training at the USAF Academy in Colorado where the final four team members are selected for the International Chemistry Olympiad to be held in July in Budapest, Hungary.

Community Event “Adopt-A-Stream”

The 2008 Community Event for Chemists Celebrate Earth Day is “Adopt-A-Stream”. In an “Adopt-A-Stream” program, groups register with the “environmental protection” office of their state or local government to clean-up and keep clean a section of a stream or aquifer. In addition to clean-up efforts, volunteers may be asked to monitor water quality and/or pollution sources. Responsibilities vary slightly from one municipality to the next. Provide water quality information at your event and document it with a photograph that you will submit to ACS!



**Pre-Earth Day Clean-Up
Herring Run Watershed
Saturday, April 5th, 2008**



For Chemists Celebrate Earth Day (CCED) 2008, ACS will emphasize the importance of local waterways with the water-based theme, "**Streaming Chemistry**". And the Maryland Section (<http://mdchem.org>) is once again teaming 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 5th, 2008

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

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)

More information or directions: contact Paul Smith at 410-455-2519, pjsmith@umbc.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/pressrelease.cfm?id=236>.

National ACS Sponsoring Two Contests for Earth Day

K-12: Illustrated haiku contest

Local winners due to national ACS by Friday, April 11, 2008

Categories: K-2, 3-5, 6-8, 9-12 (groupings changed from last year)

College and University Students:

Adopt-A-Stream contest for the best community service activity.

Entries due by May 15, 2008

For more information, contact Paul Smith at 410-455-2519, pjsmith@umbc.edu

Science Fair Judges Needed

When: Friday, April 18, 2008

What: Science Fair

Where: **Johnnycake Elementary** (Baltimore County), 5910 Craigmont Road, Baltimore, MD 21228

POC: If you are interested in volunteering for this event, please contact Lisa Tirocchi, e-mail: (ltirocchi@bcps.org), 410-887-0823

When: Monday, April 21, 2008 from 1-3pm

What: Science Fair - 4th & 5th grades

Where: **Colgate Elementary** (Baltimore County), 401 51st Street, Baltimore, MD 21224

POC: If you are interested in volunteering for this event, please contact Ms. Angela Dwyer, e-mail: (ablancolosada@bcps.org), 410-887-7010.

When: Friday, April 25, 2008 from 8:30-11:30 a.m.

What: Science Fair - 5th Grade Projects

Where: **Chapel Hill Elementary School** (Baltimore County), 5200 Joppa Road, Perry Hall, MD 21128

Details: A judge's checklist will be furnished for the judges to use.

POC: If you are interested in volunteering for this event, please contact Ms. Elizabeth Bloom, ebloom@bcps.org, (cell) 410-842-3518

Kids & Chemistry Program in Harford County

The Kids & Chemistry program had another busy semester in spring 2008, visiting Deerfield Elementary School's 5th grade classes on:

February 29 - Polymer Chemistry Experiments; 14 volunteers/106 students

March 7 - Chemiluminescence Experiments; 15 volunteers/106 students

Every semester the group picks one or two schools to visit and works with students during 2 or 3 visits on different hands-on experiments. Visits to schools are not simply show up and help the students for the lead organizers. Each visit this semester involved approximately 50 manhours in prep, execution, and post cleanup. The Kids & Chemistry Group was interviewed by a C&E News editor/journalist, Linda Wang, on February 29th as part of an article that they are doing on the Kids & Chemistry program. Ms. Sue Procell runs the Kids & Chemistry Program. If you are interested in Kids & Chemistry, please contact Sue via e-mail at (suzanne.procell@us.army.mil).



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: JULY 15, 2007

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 23, 2008 (Friday) 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>)



Johns Hopkins University Chemistry Department The Ephraim and Wilma Shaw Roseman Colloquium Series

Spring 2008 - Remsen Hall 233 – Tuesdays, 4:15 pm
For more information contact Rosalie Elder, 410-516-7432

<http://chemistry.jhu.edu/colloquia.html>

The schedule can be downloaded in pdf or html format.

April 8 <i>Bowen</i>	Professor Elliot Bernstein Colorado State University	“Neutral Metal and Metal Oxide Clusters as Model Catalytic Systems—Experiments and Calculations”
April 15 <i>Greenberg</i>	Dr. Daniel H. Appella NIDDK, NIH	“Synthetic Molecules that Control Binding to Nucleic Acid”
April 29 <i>Greenberg</i>	Professor Yinsheng Wang University of California, Riverside	“Chemistry and Biology of DNA Damage Induced by Reactive Oxygen and Reactive Carbonyl Species”

Johns Hopkins University Chemistry Department Special Chemistry Seminars

Spring 2008 - Remsen Hall 233 – Day/Date/Time noted
For more information contact Rosalie Elder, 410-516-7432

<http://chemistry.jhu.edu/spchemsem.html>

The schedule can be downloaded in pdf or html format.

<i>Thursday – 4:15 pm</i> April 24 <i>Greenberg</i>	Professor Chryssostomos Chatgililoglu ISOF-Area della Ricerca di Bologna	“5',8-Cyclopurine Lesions: Chemistry and Biology”
<i>Wednesday – 4:15 pm</i> April 30 <i>Lectka</i>	Dr. Christopher Cox Merck & Co., Inc.	“Discovery of Kinesin Spindle Protein Inhibitor MK-0731 for the Treatment of Cancer”
<i>Tuesday – 4:15 pm</i> May 6 <i>Goldberg</i>	Professor Jonathan Sessler University of Texas	“Oligopyrroles: New Receptors for Anions and Electron Deficient Neutral Species”



MARM 2008

<http://www.marmacs.org>



The 40th Mid-Atlantic Regional Meeting of the American Chemical Society
Where: Queensborough Community College, Bayside (Queens), New York
When: Saturday, May 17 to Wednesday, May 21st, 2008

The following technical symposia are planned:

- Analytical: HPLC Method Development; Protein and Peptide Analysis
- Delaware Valley Chromatography Forum Student Award
- Biomimetic Catalysis and Biocatalysis
- Biochemistry: Bio-Therapeutics; Protein Misfolding
- Chemical Education
- Chemical Evolution
- Chemistry and the Arts
- Clinical Chemistry
- Computational Chemistry
- Environmental Chemistry
- Forensic Chemistry
- Green Chemistry
- HIV/AIDS
- Industrial Chemistry Symposium
- Inorganic Chemistry: Bioinorganic Chemistry; Metal Complexes in Chemotherapy and Diagnostics
- Ionic Liquids
- Materials Chemistry: Nanoscience; Synthetic Molecular Machines and Switches
- Organic Chemistry: Antimicrobials; Arthur C. Cope Scholar Symposium; Organic Synthesis toward Targets of Medicinal Interest; Process Chemistry
- Medicinal Chemistry
- Photochemistry
- Physical Chemistry
- Polymer Chemistry: Polymers in Medicine/Bio-inspired Polymers
- Spectroscopy of Biological Systems; Infrared Spectroscopy

The meeting will also feature plenary lectures by:

Ronald Breslow, Columbia University, *The Invention of SAHA, an Approved Anticancer Medicine with a Novel Mechanism of Action*

Roald Hoffmann, Cornell University, *The Chemical Imagination at Work in Very Tight Places*

In addition to the stimulating technical programs, we will have programs on Careers in Chemistry, workshops for Chemical Educators, ACS Leadership Development workshops, Student Affiliates activities, and an Industrial Chemistry Award Symposium. MARM will also host meetings of the Royal Chemical Society and the Women Chemists Committee, as well as the 56th NY-ACS Undergraduate Research Symposium. You may also visit the MARM 2008 Vendor Exhibition, and enjoy social events, including a barbeque and Awards Banquet.

We invite your participation in the meeting and encourage oral and poster abstract submissions at:

<http://www.marmacs.org>

Chemical Society of Washington Section American Chemical Society

Presents an all-day, interactive, informative workshop on

Chemical Toxicology in Action

SATURDAY, April 12, 2008, 8:30 AM to 4:00 PM

The George Washington University
Harding Auditorium, Room 213, the 1957 E Building,
1957 E St. NW, Washington, DC
Within walking distance of Orange and Blue Metro Lines

Teaching, learning and career information for:

- College/university students and high school students considering a career in toxicology,
- Lecturers, instructors in chemistry and chemistry teachers in high schools,
- Media specialists and others interested in toxicology.

Six presentations/discussions, based on real cases, will illustrate what chemists and biochemists do as toxicologists in the environmental sciences; food and drugs; forensic sciences; clinical toxicology; and studies that combine genetics, carcinogenicity and toxicology.

Learn from expert practitioners how toxicology benefits health in the United States and how to prepare for a career in chemical toxicology.

For Program details and registration forms, please go to: (<http://membership.acs.org/W/WashDC/>)

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.

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.

Volunteer Here!

Like working with students? Have a talent for encouraging students in science? Have ideas for outreach events? Sign up for our volunteer news. Contact Sandy Young at 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 Sandy Young at mdchem@mdchem.org for more information.



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