

Chesapeake Chemist

*Maryland Section
American Chemical
Society*



**Wednesday, October 16
College of Notre Dame of Maryland**

Council meeting minutes, ACS National Meeting, Boston, Massachusetts, August 21, 2002

submitted by Merle I. Eiss, Councilor

The council meeting was called to order by ACS president, Eli Pearce, at 8:00 am. All four Maryland councilors attended the meeting, Merle Eiss, Don Jones, Dave Roswell, and Chuck Rowell. Total attendance at the national meeting was 17,121. Elections were held for the elected council committees.

President Pearce discussed several presidential programs, diversity, globalization, and employment opportunities for members. The Women Chemists Committee celebrated its 75th anniversary. Although only 25% of ACS members are women, about 50% of the new members are women. Programs have concentrated on topics related to attracting and advancing women in the chemical profession. Other programs concentrate on attracting and providing educational opportunities for the underrepresented minorities—African Americans and Latinos. A presidential working group has looked at the statistical data being collected on women and minorities in the profession and has developed a set of recommended actions to enable ACS to monitor progress.

There was a standing room only crowd at the Symposium on the Impact of Globalization on the U.S. Chemical Enterprise. Members want to understand their place in the global workplace.

John Crumm, ACS executive director, was unable to attend the meeting due to bypass surgery. The surgery was successful, and he is undergoing a normal recovery. Joe Clark, acting executive director, reported for Crumm. The Board of Directors and ACS staff have been working together on a new process of Strategic Expense Management. The economy is suffering badly, and ACS is not exempt from its impact. Income from investments and advertising is down. The publications have lost advertising revenue. Chem Abstracts, on the other hand, is having one of its best years ever. The ACS matching Gift Fund has reached the end of the original \$5 million appropriation authorized by the Board of Directors in December 1994. The board is examining the possibility of re-authorizing this program for 2003.

John Crumm will retire as executive director at the end of 2003. The board will begin the search for his replacement early next year. Additionally, the board has committed to a net deficit not to exceed \$1 million in 2003. All ACS departments are looking at ways to minimize budget expenses.

President-elect, Elsa Reichmanis, reported that the focus of her year in office will be communication—with the public, with the government, and with our members. A primary goal is to raise interest in chemistry with the U.S. government.

A report was given by the Committee on Patents and Related Matters that the U.S. Patent Office is considering large increases in patent application fees. The fees will be payable upon application and will possibly seriously restrict patent applications. The government wants to use the money to fund activities outside of the Patent Office. ACS opposes the proposed new operations and is preparing a policy statement.

Continued on page 7

Cover photo by Stephanie Rowland Froberg, courtesy of the U.S. Army Medical Research Institute of Chemical Defense.

Chesapeake Chemist

Editor: Cindy Kronman
734 Benfield Road
Severna Park, MD 21146
cakvt@hotmail.com

Section Officers

Chair: Robert L. von Tersch
202-647-4011

Vice-chair: Walter Roy
410-771-7886

Secretary: Stephanie Scierka
410-762-1141

Treasurer: Angela Sherman
CND of MD
4701 North Charles St.
Baltimore, MD 21210
410-532-5713

Councilors

Merle I. Eiss Donald Jones
410-484-0521 202-364-2740

David Roswell Charles Rowell
410-617-2458 410-647-9452

Alternate Councilors

Elwin Penski Shekar Munavalli
Joseph Topping Linda Sweeting

Members at Large

Saeed Kahn Mark Banash
Jan Kolakowski Demetrius Michos
Sandra Young

Committee Chairs

Remsen Award:
Lev Ryzhkov, 410-704-3831

Maryland Chemist Award:
Shekar Munavalli, 410-436-2819

Maryland Service Award:
Shree Iyengar, 410-541-2266

Mentoring Program/Task Force:
James Nwaba, 410-675-2100 ext. 2650

Student Awards:

George Ferrante

Education:

Shirish Shah, 410-323-0803

National Chemistry Week:

Shirish Shah and Sandy Young

Chemistry Olympiad:

Mike Zapf, 410-771-7471

Kids and Chemistry:

Shirish Shah

High School Teachers:**Archives:**

Ernest Silversmith, 443-885-3214

Member Assistance:

Merle Eiss, 410-484-0521

House:

Shirish Shah

Public Relations:

Shirish Shah

Publicity:

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Finance:

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Women Chemists:

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Long Range Planning:

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Minorities:

Alfred Amah, 410-383-5777

Career Planning:

Linh Cheong, 410-762-1159

Government Relations:

Shirish Shah

Retired Chemists:

Alvin Bober, 410-581-5321

Young Chemists:

Amanda Miller

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October 2002 Meeting

Wednesday, October 16, 2002

College of Notre Dame of Maryland
Doyle Formal Dining Room

Schedule

6:00-6:30 pm	Registration and social
6:30-7:20 pm	Speaker Dr. Carolyn Fisher, "Career Planning"
7:20-7:30 pm	NCW Information
7:30-8:30 pm	Buffet Dinner

Cost of the dinner is \$20 for members, \$15 for nonmembers and retired members, and \$10 for students. For reservations, contact Dr. Shirish Shah at 410-323-0803(H) or via e-mail at dr.shah@juno.com.

Science Careers in the Food Industry

Dr. Fisher will describe her personal experiences in the food industry, and then the Institute of Food Technologists' VHS videotape "In Good Taste: Careers in Food Science" (length 14:22 min.) will be shown. The focus is that the food industry needs scientists that majored in biology, chemistry, chemical engineering and, of course, food science. There will follow a description of the entry level jobs in quality control, research and development, and technical sales. After the video, there will be either a question and answer session or a discussion about the types of chemical reactions that occur in foods and how the chemist is needed to understand and control them.

National Chemistry Week is on the horizon

The ACS Office of Community Activities invites you to participate in National Chemistry Week 2002, October 20-26. Involve your community in learning about the importance of chemistry by using the theme for this year—"Chemistry Keeps Us Clean." Join with chemists across the country as they share the chemical story of the relevance of chemistry to cleaning by conducting presentations, demonstration shows, and hands-on activities for the public. Consider becoming involved in the unifying event for NCW 2002, "Chemistry Makes Cleaning Possible"—a personal hygiene collection campaign to benefit local charities. For more ideas and information about NCW, call 1-800-227-5558 ext. 6097 or visit the website at chemistry.org/ncw.



Directions to the College of Notre Dame of Maryland:

From the north: Take exit 25, Charles Street, south. It is about five miles. Go through the lights at Northern Parkway and Homeland Avenue. After the Homeland Avenue light stay in the left lane, and make the first left turn into the College of Notre Dame entrance. There is no light at that location. Find a parking space and walk towards the center of campus.

From the south: Go north on Charles Street, past Johns Hopkins University and past Loyola College at Cold Spring Lane. About a mile north of Cold Spring Lane, turn right onto Homeland Avenue and then another right into the College of Notre Dame parking lot. Find a parking space and then walk towards the center of the campus.

CAS and ACS Publications Divisions will make early twentieth century research available online

Chemical Abstracts records from the early twentieth century will be linked to the ACS Journals Archive, permitting researchers to identify articles of interest in ACS journals back to the first issue of CA in 1907, then link to the full-text articles from ACS. The combined power of these two massive resources will boost their value for researchers, who have eagerly sought the enhancement.

In effect, two complementary ACS projects have been brought together to provide scientists the benefit of advanced information retrieval with the availability of a vast electronic collection of original journal literature. For more information, call 614-447-3731 or send email to help@cas.org.

Chemunity News is back

The newsletter of the ACS Education and International Activities Division has returned—online. Educators and those interested in chemical education issues can now stay up-to date with division activities through bimonthly editions of Chemunity News delivered via email. Learn about upcoming workshops, new publications, and the various education programs that are available for students, teachers, and institutions. The articles featured in the most recent issue of Chemunity News, sent just before the ACS national meeting in Boston, demonstrate the division's broad range of activities. These include

- Wonder & Explore, a new multifaceted resource designed to help elementary teachers better understand physical science concepts and develop an inquiry-based teaching approach.
- The 34th International Chemistry Olympiad competition took place this summer in Groningen, The Netherlands, and once again the U.S. team placed well, bringing home two gold medals, a silver, and a bronze.
- Online Registry of Chemistry-Based Master's Programs, a searchable online resource for students seeking information about master's programs in the chemical sciences.
- Starting with Safety, the popular ACS video course that has been adapted for delivery via the Internet.

If you would like to receive Chemunity News, contact education@acs.org.

Officer and councilor slate for 2003 announced

The Nominating Committee reports the following slate of Officers and Councilors for 2003. Please make selections, mail the ballot in an envelop to Shirish Shah by November 15, 2002. Remember to sign the envelope on the outside and forward it to Shirish Shah at 5605 Purlington Way, Baltimore, MD 21212. If you received only one copy of the newsletter at an address where there are two section members, pleased copy the ballot or go to the website (www.towson.edu/~sshah/) and print the page to cast your votes. **Please disregard the ballot printed in the September issue.**

Chair	Walter Roy	_____
Vice-chair	Paul Smith	_____
Chair-elect	Alan C. Samuels	_____
Secretary	Stephanie Scierka	_____
Treasurer	Angela Sherman	_____
Councilors	Donald Jones	_____
(select two)	David Roswell	_____
Alternate Councilor	Shirish Shah	_____
Members at Large	Mark Banash	_____
(select five)	Jan Kolakowski	_____
	Demetrius Michos	_____
	James Nwaba	_____
	Sandra Young	_____

Nominations for the Gustavus John Esselen Award wanted

The Northeastern Section of the American Chemical Society invites nominations for the Gustavus John Esselen Award for Chemistry in the Public Interest. This award recognizes a chemist for outstanding achievement in scientific and technical work that contributes to the public well-being. The award consists of a \$5000 prize and a medal of recognition. The award ceremony is in April at Harvard University and is followed by a formal address by the awardee. The tentative date for this ceremony is April 10, 2003.

To nominate a candidate, please provide statements from two co-sponsors as well as a brief biography of the candidate, a description of the work that has been recognized as communicating the positive values of the chemistry profession, and copies of selected, pertinent articles. Popular new and feature articles should be included as an indication of public interest. Nominations and inquiries should be directed to Dr. Arno Heyn, c/o Karen Piper, 19 Mill Road, Harvard, MA 01451. Nominations should be posted no later than October 15, 2002. Joint nominations are acceptable. The committee will review nominations, and the award recipient will be notified by the first of February.

October Historical Events In Chemistry

by Leopold May, The Catholic University of America

- October 1, 1940 Air Products and Chemicals, Inc. was incorporated on this day.
- October 2, 1791 Birthday of William Ramsay, who discovered argon with J. W. Strutt 1894. In 1895 he isolated helium, and neon, xenon and krypton (with M. W. Travers) in 1898. He received the Nobel Prize in 1904 “in recognition of his services in the discovery of the inert gaseous elements in air, and his determination of their place in the periodic system.”
- October 4, 1957 Sputnik I, the first artificial earth satellite, was launched by the USSR.
- October 5, 1872 Birthday of Emil Votocek, who introduced the concept of epimerism and did research on sugars. He also composed classical music.
- October 10, 1731 Birthday of Henry Cavendish, who discovered hydrogen in 1766, synthesized water, and was an independent discoverer of nitrogen.
- October 14, 1886 Jacobus H. Van't Hoff, before the Swedish Academy of Sciences, presented the law showing that the osmotic pressure of a dilute solution obeys Boyle's, Charles's, and Avogadro's Laws, and that $pV = RT$.
- October 15, 1608 Evangelista Torricelli, who was the first to create a sustained vacuum, was born on this date. He built the first barometer.
- October 18, 1844 Birthday of Harvey W. Wiley, “The Father of Pure Food Law.”
- October 19, 1909 Birthday of Maguerite Perey, who discovered francium in 1939.
- October 21, 1833 Alfred Nobel, the inventor of dynamite and the creator of the Nobel Prizes, was born on this day.
- October 23, 1875 Gilbert N. Lewis, who developed the theories of chemical bond and valency, was born on this day. He also did research in thermodynamics.
- 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 29, 1827 Birthday of Marcellin P. E. Berthelot, who was a founder of thermo chemistry and showed that nitrogen was fixed by electric discharges and bacteria. He also synthesized alcohol, formic acid, methane and acetylene.

Councilor's minutes continued

There were 1242 attendees at the Employee Clearing House, and there were 240 companies with a number of available jobs. Career Services has 70 volunteers working with ACS members.

Next year members will be able to renew dues and journal subscriptions on-line.

The meeting was adjourned at 11:40 am.

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Fall meeting dates set

Mark your calendars and plan to attend the Maryland Section's fall dinner meetings.

November 13, 2002

Towson University, Student Union

December 11, 2002

Berkshire (Marriott), Towson, Md.

Get your  on the web or via email

Don't forget, the Chesapeake Chemist is also on the internet at www.towson.edu/~sshah. For faster delivery, consider having the newsletter emailed to you. Just provide the editor with your email address at cakvt@hotmail.com; also provide the address at which you are now receiving the newsletter so we can delete you from the postal list.



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**3815 LANCASTER PIKE WILMINGTON DE 19805
Voice 302-998-1184, Fax 302-998-1836**

E-Mail micronanalytical@compuserve.com

WEB PAGE : www.micronanalytical.com