

**The ACS Maryland Section members
are invited to join the
Chesapeake and Potomac Sections of
the Industrial Hygiene Association**

**Wednesday, September 18, 2002
Holiday Inn, College Park, Md.**

“ACGIH and the Threshold Limit Values”

**Dr. Patrick Breysse
Johns Hopkins Bloomberg
School of Public Health**

also speaking

**Mr. Norman Henry, Dupont
Wilmington, Delaware**

Council Meeting Report, Orlando Florida, April 10, 2002

submitted by David Roswell

The Council of the American Chemical Society met during the national meeting in Orlando, Florida, on Wednesday April 10. The meeting began at 8 AM and lasted until about 11:30. All four Maryland councilors (Merle Eis, Donald Jones, David Roswell and Charles Rowell) were in attendance.

After the opening call to order a resolution was read and a moment of silence observed in honor of deceased councilors. The minutes of the previous meeting in Chicago were then approved.

The council then moved to undertake what was to be one of its major tasks in the meeting. The Committee on Nominations and Elections presented the candidates for nomination for election to the position of President Elect for 2003, and the nominees had the opportunity to present their ideas to the council. The council then voted to select Charles Casey and Alvin Kwiram as the candidates in the subsequent election by the membership. (We urge you to read the platforms that these two candidates will present in *C&E News* and vote for your choice in the upcoming election.) Councilors were then informed about the nominees for district and at-large directors. From our district Maureen Chan and Madeleine Jouillie have been selected. (Our own Donald Jones was in the running but missed being selected.) It was good to hear that Maryland councilor Merle Eis has been selected as a nominee for one of the director-at-large slots. Councilors will vote on these selections in the Fall.

Oral reports from the elected officers and the executive director followed. It should be noted that the finances of the society were discussed as part of these reports. After 25 years of positive bottom lines, the 2002 budget is projected to be \$2 million in the red. Expenses for 2002 are expected to exceed revenues from publications, dues, and investments. Given the size of the reserves this is not a large deficit, but it is of concern.

After reports from the officers, standing committees presented reports. The Committee on Committees recommended the continuation of the Committee on Science and a change in status for the Women's Chemists Committee (from "other" to "joint Board Council"). Both recommendations were approved. A petition for a change in the bylaws to increase the size of committees was postponed until the next meeting of the council in Boston this August.

The report from the Committee on Budget and Finance (B&F) caused little discussion. One of the duties of B&F is to recommend changes in the annual dues. Some years ago the council adopted a policy allowing dues to escalate with the CPI. This escalator provides for a \$4 increase in the dues for 2003, to \$116. Members of the council approved this increase with essentially no dissent.

The Committee on Education reported that they were putting together a task force to reconsider (from the ground up) what the requirements for the training of chemists should look like in the future. The Committee on Membership Affairs reported that as of the end of 2001 there were 163,503 members. The retention rate is still good, 94-95%. Of those members not renewing 53% are BS chemists with less than five years in the profession. This is a concern that a task force on retention will be addressing.

The Committee on Economic and Professional Affairs is in the process of reviewing a new edition of the ACS Professional Guidelines (PEG). They reported that they need some more career consultant volunteers (prospective volunteers can get information at the ACS web site at careers.acs.org). The Committee on Meetings and Expositions (M&E) reported that the total attendance at the meeting was 14,308 and the exposition was the second

Continued on page 7

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:

Donald Jones

Finance:

Jan Kolakowski

Women Chemists:

Sara Narayan

Long Range Planning:

Shekar Munavalli

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

The Chesapeake Chemist is published monthly September through May by the Maryland Section of the American Chemical Society. Send submissions to the editor in electronic format. Send advertising inquiries to the business manager; advertising copy must be provided in electronic format. The Maryland Section is not responsible for opinions expressed herein. Editorials express the opinions only of the authors. The editor is responsible for all unsigned material.

September 2002 Meeting

Joint meeting with Chesapeake and Potomac Sections
of Industrial Hygiene Association*

Wednesday, September 18, 2002

Holiday Inn, 10000 Baltimore Avenue (Route 1), College Park, MD

Schedule

6:00-6:30 pm	Social Hour
6:30-7:20 pm	Speaker (Dr. Patrick N. Breyse)
7:30-8:20 pm	Dinner
8:20-8:40 pm	Speaker (Norman Henry)

At press time, the anticipated cost of the dinner is \$20-\$25; checks should be made payable to the Chesapeake Section of Industrial Hygiene. For reservations, contact Dr. Shirish Shah at 410-323-0803(H) or via e-mail at dr.shah@juno.com.

Directions to the Holiday Inn:

From Baltimore, take I-95 south to I-495, to exit 25A (Route 1). The hotel is the first building on the left after the exit. From south of DC, take I-95/495 north to exit 25. Turn right at the light at the end of the exit ramp, then make an immediate left into the hotel lot. The hotel's telephone number is 1-301-345-6700.

About the speakers...

Patrick N. Breyse, Ph.D., is a full professor of Environmental Health Sciences at the Johns Hopkins Bloomberg School of Public Health. He is also the vice-chair of American Conference of Government Industrial Hygienists (ACGIH) for 2002, and he will be speaking about threshold limit values (TLV's) and the lawsuits against ACGIH that challenged the use of TLV's.

Norman Henry works for Dupont in Wilmington, Delaware; he is also the area representative for the American Board of Industrial Hygiene. He will talk about changes in the certification exam, changes in certification requirements, etc.

*The American Industrial Hygienists Association

The American Industrial Hygienists Association (AIHA) "promotes, protects, and enhances industrial hygienists and other occupational health, safety and environmental professionals in their efforts to improve the health and well being of workers, the community, and the environment. Occupational health, safety and environmental professionals are concerned primarily with the control of environmental health hazards that arise out of the workplace or the community.

Founded in 1939, AIHA is a nonprofit organization with more than 75 local sections. AIHA is one of the largest international associations serving the needs of occupational and environmental health professionals practicing industrial hygiene in industry, government, labor, academic institutions, and independent organizations."

Nominations for the Gustavus John Esselen Award wanted

The Northeastern Section of the American Chemical Society is pleased to invite nominations of worthy candidates 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 presentation takes place at an award ceremony in April at Harvard University, followed by a formal address by the awardee. The tentative date for this ceremony is April 10, 2003.

The award was established in 1987 to honor the memory of Gustavus John Esselen, a distinguished member of the Northeastern Section. The first awardees were F. Sherwood Rowland and Mario J. Molina, who subsequently received the Nobel Prize.

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.

Officer and councilor slate for 2003 announced

The Nominating Committee reports the following slate of Officers and Councilors for 2003. Please make selections and send signed ballot in an envelop by 10/15/2002 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, please copy the ballot or go to the web site (www.towson.edu/~sshah) and print the page out to cast your votes.

Chair	Walter Roy	_____
Vice-chair	Paul Smith	_____
Chair-elect	Alan C. Samuels	_____
Secretary	Stephanie Scierka	_____
Treasurer	Angela Sherman	_____
Alternate Councilor	Shirish Shah	_____
Members at Large	Mark Banash	_____
	Jan Kolakowski	_____
	Demetrius Michos	_____
	James Nwaba	_____
	Sandra Young	_____

Member signature: _____

Report on MARM 2002

by Shirish Shah

The 2002 Mid-Atlantic Regional Meeting was held at George Mason University, Fairfax, Virginia, May 28-30, 2002.

I participated in the Chemimagination Program as one of the eight judges for the high school posters. Starting next year, the local sections will be sponsoring this program and will send the best posters in various categories to MARM 2003.

I then spent most of the day checking the technical programs related to on-line instructions and availability of grants. In the evening, I was the guest of the high school teacher at the Awards Dinner Program. Award winners are listed below.

AWARDS PROGRAM

High School Chemistry Teacher

ACS Women Chemists Committee

E. Emmet Reid Award: Excellence
in Teaching at a Small College

Industrial Awards

AWARDEES

Ms. Elena Pisciotta
Damascus High School, Md.

Dr. Jeanette Brown
Merck and Co.
Philadelphia, Penn.

Dr. Fred Nesbit
Coppin State College, Md.

Dr. Robert DiCosimo and Team
E.I. du Pont

Mr. Jawahar Parekh
Reheis, Inc.

Dr. Shen Fung
Exxon/Mobile Research and Engineering Co.

I also attended the MARM Steering Committee, representing Dr. Laurence Boucher (chair-elect 2002). MARM 2001, the Maryland Section, and Towson University were praised by the committee for their wonderful work. MARM 2003 will be sponsored by the Trenton Section at Princeton University.



4th Annual Job Fair a big success

Dr. Shirish Shah (right) with Ms. Alma Ferro at the 4th annual job fair, which was held in February. Ms Ferro is the associate director for Career Services at the College of Notre Dame of Maryland.

September Historical Events In Chemistry

by Leopold May, The Catholic University of America

- September 1, 1858 Birthday of Carl Auer von Welsbach. He invented the incandescent mantle (Welsbach Mantle, or Auerlicht) and neodymium in 1885, praseodymium in 1885, and lutetium, with G. Urbain, in 1907.
- September 2, 1877 This is the birthday of Frederick Soddy. He did research in radioactivity and discovered the displacement law of radioactive change. In 1923, he received the Nobel Prize.
- September 5, 1892 Coca Cola Company was incorporated on this day.
- September 7, 1829 F. August Kekulé, who born on this day, conceived the ring structure of benzene in 1865, discovered the quadrivalence of carbon, and devised the structural theory of organic chemistry.
- September 9, 1947 Albert Ghiorso and Glenn T. Seaborg announced the discovery of element 106 at the University of California, Berkeley on this day.
- September 12, 1897 Birthday of Irène Joliot-Curie, daughter of Madame Curie. She produced artificial radioisotopes in 1933 and shared the Nobel Prize in 1935 with her husband, Frédéric Joliot-Curie, in recognition of their synthesis of new radioactive elements.
- September 14, 1698 Charles F. de Cisternay DuFay, who discovered + and - electricity and repulsion between like charges, was born on this day. He also did research in phosphorescence and double refraction.
- September 22, 1909 First liquid chlorine shipped in the US by the Electro-Bleaching Gas Co., Niagara Falls.
- September 26, 1886 Birthday of Archibald V. Hill, who did research on oxygen consumption of muscular action. He received the Nobel Prize in Medicine for his discovery relating to the production of heat in the muscle, sharing the Prize in 1922 with Otto F. Meyerhof.
- September 28, 1852 Henri Moissan, who was born on this day, discovered fluorine in 1886 and invented an electric furnace in which he prepared metal carbides and silicon carbides. He received the Nobel Prize in 1906 in recognition of the great services rendered by him in his investigation and isolation of the element fluorine, and for the adoption in the service of science of the electric furnace that was named after him.

Councilor's minutes continued

largest in history, the one in Chicago being the largest. M&E recommended that the 2013 meetings be held in New Orleans (Spring) and Indianapolis (Fall) and the council concurred. The Committee on Constitution and Bylaws presented two petitions for consideration. Both will be discussed at the Boston meeting. One of these, which could affect the allocation of funds to local sections and divisions, will undoubtedly receive significant discussion there.

No subsequent reports led to significant discussion, and there being no further business, the council adjourned.

Nonprofit Org.
U.S. Postage
PAID
Baltimore, MD
Permit No. 2917

PLEASE DO NOT DELAY - DATED NOTICE INSIDE

Fall meeting dates set

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

October 23, 2002

November 13, 2002

December 11, 2002

College of Notre Dame of Maryland

Towson University, Student Union

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.



A Successful Formula...

Matching the right person to the right position is our strength.

ATTENTION SCIENTISTS!

Looking to excel in the scientific industry? Lab Support provides outstanding temporary positions in the fields of Biotech, Pharmaceutical, Food and Beverage, Materials Science, and Environmental Laboratories. Assignment openings include:

- Chemists
- Biologists
- Biochemists
- Microbiologists
- Laboratory Technicians and Assistants
- Health and Safety
- Research Associates

Competitive pay and great benefits incl. Medical/dental.

Call NOW! EOE.

(800) 998-3332



On Assignment

LAB SUPPORT[®]

www.labsupport.com