

NIST Polymer Scientist Eric Lin to Speak at CSW Dinner Meeting

Dr. Eric K. Lin, Chief of the Polymers Division of the Materials Science and Engineering Laboratory, National Institute of Standards and Technology (NIST), will speak on the subject “Advancing Technology through Measurement Science: From Next-generation Electronics to Biomaterials” at the CSW February dinner meeting at the Pryzbyla Center, Catholic University, in Washington DC. The address will be preceded by an achievement awards ceremony for college students. Details of the dinner meeting are on page 2.

Eric Lin is Chief of the Polymers Division in the Materials Science and Engineering Laboratory at the National Institute of Standards and Technology (NIST). He received a B.S.E. from

Princeton University in 1991 (summa cum laude) and Masters and Ph.D. degrees from Stanford in 1992 and 1996, respectively, all in chemical engineering. Eric joined the NIST Polymers Division as an NRC-NIST postdoctoral associate in 1996, and joined the permanent staff in 1998. In 2002, he became the Leader of the Electronics Materials Group, where he established world class research programs in semiconductor electronics processing, nanoscale materials, and organic electronics. His expertise and research interests include polymer thin films and interfaces, neutron and x-ray scattering methods, and the statistical mechanics of polymer materials. His awards include NIST Bronze and Silver Medals, the NIST Slichter Awards, the



Presidential Early Career Award for Scientists and Engineers (PECASE), and a participation in the National Academy of Science Kavli Frontiers of Science program.

ACS Spring National Meeting Notes

SEE the Future of Sustainability through Chemistry

The global challenges of providing sufficient and secure energy, clean drinking water, and adequate food, housing, and medical care will require the creative input of all of the planet's scientists. To address these challenges, ACS will host an innovative Sustainability Engagement Event (SEE) during the spring national meeting in San Francisco (www.acs.org/sustainability).

The event will help us to SEE this future. It will focus on collecting, refining, and implementing the ideas of a broad range of stakeholders, and on strengthening their engagement. The goals are to generate excitement about the ACS sustainability efforts; to brainstorm, create, and develop projects that can and will make a difference; and to connect with members of all ages and fields, especially those who are not currently engaged with ACS on a volunteer level.

The varied backgrounds and experiences of chemists inspire us in different ways to offer workable solutions at the local, regional, and global levels. Working together, ACS and chemists can identify the solutions that will help us achieve a sustainable future.

All meeting attendees and ACS members are invited to participate in the event forum. Even if you are not planning to be in San Francisco, you are encouraged to share your ideas at www.acs.org/sustainability. The SEE kickoff will take place on Sunday, March 21 from 6 - 8:30 pm in the Expo Hall, and the forum will be on Tuesday, March 23 from 3 - 5:30 pm. Preregistration is requested for the forum, which is quick and easy at www.acs.org/sustainability.

Employers Are Looking to Hire:

Register for the ACS Career Fair!

The Career Fair is the premier place where employers can promote their company and meet job seekers face-to-face to discuss employment opportunities. Job seekers can attend a variety of workshops, participate in mock interviews, and make appointments for individual résumé reviews. The Career Fair will be located in the Moscone Center, West Hall, Level One. It will be held Sunday, March 21, 10 am to 5:30 pm; Monday and Tuesday, March 22–23, 8 am–5:30 pm; and Wednesday, March 24, 8 am–noon. Job seekers and employers can register at www.acs.org/careers.

**The
Capital
Chemist™**



*A Publication of the
Chemical Society of Washington
Section of the American Chemical
Society*

Volume 60 Number 2 Feb 2010

Editor

Jeffrey A. Smiley
202-659-2650 voice
Email: csw@acs.org

Publisher

Chemical Society of Washington

Business Staff

CSW Publications Committee
Noel Turner, Chair
703-569-5153 voice

Business Manager

Jessica Pullen, CSW

Advertising Manager

MBO Services
PO Box 1150, Marshfield, MA 02050-1150
781-837-0424 voice
www.mboservices.net

CSW Correspondence

Kristy A. Martin, Administrator
CSW, 1155 16th Street, NW, O-218
Washington, DC 20036
202-659-2650 voice
email: csw@acs.org

CSW Web site: www.csw-acis.org or
<http://membership.acis.org/W/WashDC/>

Claims for missing issues should be sent to CSW at the above address. **Member change of address** should be sent to ACS, PO Box 3337, Columbus, OH 43210; phone 800-333-9511; e-mail: service@acs.org; or edit member profile online at www.acs.org.

GENERAL: The Capital Chemist (ISSN 0411-0080) is published monthly from January to December (except June, July, and August) by the Chemical Society of Washington, 1155 16th Street, NW, Washington, DC 20036. Periodical Postage is paid at Washington, DC and additional mailing offices. Subscription price is included in all membership fees; nonmember subscription is \$10.00 per year.

ISSN 0411-0080

POSTMASTER: Send address changes to The Capital Chemist, 1155 16th Street, NW, Washington, DC 20036.

CSW assumes no responsibility for the statements and opinions advanced by the editor or contributors to its publication or the products and services advertised herein.

Copyright ©2010, Chemical Society of Washington.

2010 Officers

President

Carol Henry, Consultant

President-Elect

Michael Doyle, University of Maryland

Secretary

Jason E. Schaff, FBI

Treasurer

Dorothy Zolandz, National Research Council,
National Academy of Sciences

THE CHEMICAL SOCIETY OF WASHINGTON PRESENTS:
1093rd Dinner Meeting

Thursday, February 11th
Great Room C
Pryzbyla Center
Catholic University
Washington, DC

6:00 pm Check in and social
6:30 pm Dinner

**7:30 College Achievement
Awards Presentation**

COST \$30.00 Members & guests
\$15.00 Students

Menu includes: Mesclun Green Salad with Cherry Tomatoes and Cucumbers with Balsamic Vinaigrette; Assorted Dinner Rolls and Butter; Grilled Chicken with Artichoke and Sundried Tomato in White Wine Reduction; Farfalle Pasta with Light Alfredo Crème Sauce; Roasted Yukon Gold Potatoes; Green Beans with Red and Yellow Peppers; Assorted Dessert Bars; Water, Soft Drinks, Coffee, Decaf and Hot Tea.

Make reservations by **Monday, February 8, 2010, 12:00 noon**, to the CSW office: csw@acs.org or 202-659-2650. Please designate the names in your party. The public is invited to attend. You may attend the talk only, but reservations are appreciated. **Those who make a reservation but are unable to attend should send a check for the cost of their meal to the CSW office.**

Directions: The Catholic University web site page for Directions to Campus is <http://www.cua.edu/about-cua/directions.cfm>

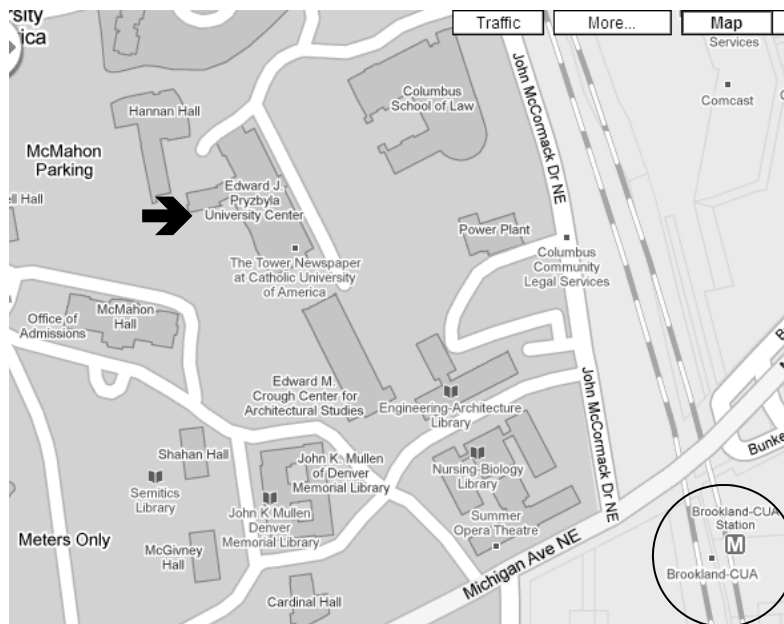
Parking: Enter campus from Michigan Ave. and proceed toward McMahon Parking, which will be available at 5 pm.

METRO: Red Line to Brookland-CUA. Exit the Metro Station on the CUA side, which is marked. Cross Michigan Ave. onto campus. See map below.

8:00 p.m. Featured Speaker: Dr. Eric K. Lin, Chief of the Polymers Division of the Materials Science and Engineering Laboratory, NIST

Title: Advancing Technology through Measurement Science: From Next-generation Electronics to Biomaterials

Abstract: The advancement of many important technologies for economic growth in the US is dependent upon the availability of the technical infrastructure. For example, the spectacular success in the transformation of semiconductor technology into an industry was aided by *(continued, page 3)*



It's a Great Time to Buy ACS-CSW-GCI-Project Seed Tote Bags!

CSW members who live outside DC may be unaware of a new DC law: there is a mandatory 5 cent charge for plastic bags given by some stores and carry-out restaurants, to carry goods.

A CSW tote bag, produced in cooperation with the ACS Green Chemistry Institute® and Project Seed, is the perfect remedy to avoid this charge and decrease waste. The tote bags are durable and large enough to hold the contents of 2-3 standard plastic bags. They are available from the CSW office (contact info on page 2) for \$5 (standard style, made of recycled materials) or \$10 (canvas, choice of three natural shades). Proceeds support ACS-GCI® and Project Seed.



ACS President Joseph Francisco was the guest speaker at the January CSW meeting, addressing a crowd of approximately 90 attendees. Above, Dr. Francisco is pictured with five students from Wilson High School. (Photo courtesy of Denise Creech, ACS)

Abstract of CSW Dinner Meeting Presentation

(continued from page 2) technical developments in electron microscopy, advanced electrical measurements, and lithographic process control. The mission of the NIST is to promote US innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life. To meet this mission, NIST engages in world-class measurement science to provide the fundamental science and tools needed to advance technology.

The Polymers Division at NIST has a broad range of activities that span topics from next-generation electronics to nanotechnology to biomaterials. In this talk, a few distinct topics will be presented to provide an overview of how measurement science developed at NIST advances technology in semiconductor lithography, organic electronics, and biomaterials.

Organic Electronics: In the emerging organic electronics industry, one key problem is control over the structure and orientation of the organic semiconductor at the semiconductor-dielectric interface. For organic transistors, all of the charge transport occurs within several nanometers of this interface and device performance is strongly dependent upon the structure and morphology of the material. Using near-edge x-ray absorption fine structure (NEXAFS) spectroscopy, we quantify and elucidate the formation of interfacial order and correlate the results with device performance for several types of organic semiconductor materials. **Biomaterials:** Transformation of tissue engineering from a largely basic research endeavor with acellular products to a sustainable industry with complex cell and tissue based medical products requires new tools, substrates and methods which afford characterization of cell phenotype and state during the differentiation, expansion and manufacturing processes. We address technology gaps by providing the required tools and methods; generating surfaces that induce specific cellular behaviors and tools for capturing the signaling events related to those behaviors in situ.

President Obama Announces National Lab Day

On November 23, President Barack Obama announced the establishment of National Lab Day, an effort supported by ACS and 190 other organizations representing more than 6.5 million science, technology, engineering, and math (STEM) professionals.

The first National Lab Day is tentatively set for early May 2010 and will be part of a large, ongoing STEM initiative called "Educate to Innovate." ACS and other organizers hope National Lab Day will help stimulate more hands-on science learning by fostering enduring collaborations between individual STEM professionals, teachers, and students. ACS Chemistry Ambassadors are already making these connections. To join the effort or learn more, visit www.acs.org/chemistryambassadors and www.nationallabday.org.

Dr. Scott Wing, Smithsonian Curator, Will Address Retired Chemists Group

The CSW Retired Chemists Group (RCG) will hold its Spring 2010 luncheon on Thursday, March 4, at Pier 7 Restaurant in Washington. The speaker will be Scott Wing, Ph.D., of the Smithsonian's National Museum of Natural History (NMNH). Dr. Wing's topic will be "Looking Forward by Looking Back: What Does the Fossil Record Say About Climate Change?"

Dr. Wing is Research Scientist and Curator in the Department of Paleobiology at NMNH. He completed his Ph.D. in Biology at Yale in 1981, and then was a National Research Council Fellow at the U.S. Geological Survey. His current projects include the causes and effects of sudden global warming at the Paleocene-Eocene boundary, and the origin of tropical rainforests.

Back from his most recent fieldwork in Wyoming, Dr. Wing will share with us the exciting story of his discoveries about the Paleocene-Eocene Thermal Maximum, a period over 55 million years ago when the average temperature of Earth warmed nine degrees in a geological instant. His work on plant fossils shows that the rapid warming was accompanied by decreasing rainfall and a radical shift in where plants lived. He will discuss what this ancient example of climate change tells us about predicted future climate change.

The RCG social will begin at 11:15 am with a cash bar. Lunch (\$26.00 per person) will be served at noon. Entrée choices are: 1) medallions of NY sirloin, 2) breast of chicken Tarragon, 3) broiled filet of sole & scallops, 4) seafood Newberg with rice pilaf and 5) vegetarian plate.

RESERVATIONS: Checks must be received by February 27. Make them out to Retired Chemists Group, or RCG, and send them to Dr. Paul H. Terry, 3102 Craiglawn Road, Beltsville, MD 20705. Please give the name of everyone attending, their choice of entrée, and your contact phone number. If you have any questions, call Paul at 301-572-5362.

DIRECTIONS: By Metro, walk either from the Waterfront, or the L'Enfant Plaza station, which are both on the Green Line. By car, turn onto Water Street from Maine Avenue, and park under the hotel where Pier 7 is located. The first two hours are free with a parking ticket validated at the RCG registration table. After 2 hours the charge is \$1.00 per hour.

The RCG offers a social program of luncheons and outings available to all. Check www.csw-acs.org/retired.html.



Considering a Career in High School Chemistry Teaching?

ACS can help you pursue your dream of becoming a high school chemistry teacher with the ACS-Hach Second Career Teacher Scholarship. The ACS-Hach Second Career Teacher Scholarship is awarded to professionals with work experience in chemistry-related fields. Scholarship recipients receive \$6,000 for full-time study and \$3,000 for part-time. Applications are due on April 1, 2010. Learn more about this exciting scholarship program at www.acs.org/hach.

Technology Student Association Judges Needed

The Virginia Association of the Technology Student Association will be holding their State Leadership Conference, "Technosphere '10", this April. More than 1,400 students are expected to attend and compete in a wide variety of leadership and technology events, demonstrating their understanding of technologies that are of interest to them. This event will be held at the Sheraton Premiere at Tyson's Corner, Vienna, VA, on April 23-25, 2010.

TSA is currently requesting

volunteers to help judge this event. In return for their dedication, volunteers will receive:

- A gift of appreciation
- Lunch
- Entry in a raffle

For more information regarding TSA, please visit their website at www.VirginiaTSA.org.

Those interested in volunteering for the regional conference should contact Ms. Angela Roller (email: aroller2828@hotmail.com, phone: 703-263-1424).

Transform Your Classroom with an ACS-Hach High School Chemistry Grant

The ACS-Hach High School Chemistry Grant is awarded to chemistry teachers with innovative ideas that transform classroom learning, foster student development, and reveal the wonders of chemistry. Applicants can request up to \$1,500 to support their ideas. Applications are due on April 1, 2010. Apply for the ACS-Hach High School Chemistry Grant today at www.acs.org/hach.

DC Area Chemistry Seminar Schedules

Listed below are chemistry-related seminar schedule web sites from area universities, that were up-to-date as of press time. More will be posted as they become updated. Contact the department to find out about general public admission, directions to campus, and parking. **Viewing the PDF? Just click!**

Carnegie Institution of Washington: <http://www.gi.ciw.edu>

Georgetown Chem: <http://chemistry.georgetown.edu/news/seminars.html>

GMU Chem: http://chemistry.gmu.edu/seminar/seminar_spring2010.html

GWU Biochem: <http://www.gwumc.edu/biochem/biochemevents.html>

GWU Chem: <http://www.gwu.edu/~gwchem/seminars.cfm>

Maryland Biotechnology Institute: <http://www.umbi.org/home.php>

Maryland Chem: <http://www.chem.umd.edu/seminars>

Maryland Chem Eng: <http://www.chbe.umd.edu/events/seminars.html>

Maryland Chemical Physics:

http://www.chemicalphysics.umd.edu/10_seminars.htm

DC Area Chemistry Seminars: Editor's Choice

Check web sites for times and locations.

Maryland Chem: Dr. Ad Bax, National Institutes of Health, Title TBA, February 16.

Maryland Chem: Professor Craig A. Townsend, Johns Hopkins University, Title TBA, March 2..

Job Posting: UMES Faculty

Assistant/Associate or Full Professor: Medicinal Chemistry, School of Pharmacy and Health Professions

The University of Maryland Eastern Shore (UMES) seeks a full-time, twelve month, tenure track faculty position beginning August 1, 2009. Rank will be determined based on qualifications and experience.

Qualifications: Ph.D in Medicinal Chemistry or equivalent degree required. Teaching and postdoctoral research experience preferred. Additional consideration will be given to candidates with a pharmacy background. Strong communication, interpersonal and team building skills required. A commitment to teaching excellence and to encouraging student engagement in the learning process is required.

Résumé review will continue until the position is filled. Qualified candidates should include a letter of interest (including statements of teaching philosophy, teaching experience, and scholarly interests), CV and the names, addresses, phone numbers, and e-mail addresses of four references. All résumé materials should be submitted to the Department of Human Resources, University of Maryland Eastern Shore, Bird Hall, Princess Anne, Maryland 21853-1299. E-mail: mvalues@umes.edu Questions regarding the position should be directed to Dr. James Junker, Chair, Pharmaceutical Sciences, E-mail: jljunker@umes.edu Telephone: 410-651-8366

For the entire job description, see the CSW web site at www.csw-acs.org, and follow the Jobs (Careers) link.

ACS Publications from DC Area Research Groups

This feature of *The Capital Chemist* is a compilation of selected publications in ACS journals, appearing recently, from area institutions.

Peter Nemes†, Amina S. Woods‡ and Akos Vertes*† (2010) "Simultaneous Imaging of Small Metabolites and Lipids in Rat Brain Tissues at Atmospheric Pressure by Laser Ablation Electrospray Ionization Mass Spectrometry," *Anal. Chem.* Article ASAP, Publication Date (Web): January 5, 2010. († - W. M. Keck Institute for Proteomics Technology and Applications, Department of Chemistry, George Washington University, Washington, DC; ‡ - National Institute on Drug Abuse, National Institutes of Health, Baltimore, MD)

George C. Rhoderick*, David L. Duewer, Li Ning and Kathryn DeSirant (2010) "Hydrocarbon Gas Standards at the pmol/mol Level to Support Ambient Atmospheric Measurements," *Anal. Chem.* Article ASAP, Publication Date (Web): January 6. (Analytical Chemistry Division, NIST, 100 Bureau Drive, MS-8393, Gaithersburg, MD)

Use the CSW Web Site!

Each edition of *The Capital Chemist* is available at the CSW web site, www.csw-acs.org, on about the 20th of each month preceding the month of that issue. CSW members can find out about the next month's dinner meeting in advance by viewing *The Capital Chemist* in PDF format online.

The CSW web site includes links to other information on: chemistry education; Historical Events in Chemistry, compiled by Dr. Leopold May; awards, meetings, activities careers, other CSW notices; contact information for CSW officers. The site also contains a link to a sparkling new web site design. Follow the link and send your comments to the webmaster.

CSW Calendar

March Dinner Meeting

Thursday, March 11

Location: Phillips Flagship Restaurant, Washington DC

Chem-Mystery



A possibly amusing amalgamation of chemistry, wordplay and trivia

The January Chem-Mystery, inspired by the December 19 snowstorm that dropped up to two feet of snow on the Washington area, asked readers of *The Capital Chemist*:

How many **moles** of snowflakes fell in the December 19 snowstorm?

- A. Greater than one mole
- B. About 1/100 of a mole
- C. Less than one millimole

The Capital Chemist's estimated answer was C, less than one

millimole, for the entire snow-stricken eastern US, based on an Internet-posted statement from Professor Richard Banks of Boise State: "If one mole of snowflakes fell evenly on the United States, the depth of the snow would cover all of the highest buildings." *The Capital Chemist* estimated that the number of snowflakes that fell on December 19, covering several states with about two feet of snow, would be less than 1/1000 the amount that would cover the entire US with perhaps 1000 feet.

CSW Secretary Jason Schaff came up with a reasonable calculation for the number of snowflakes that fell in the District of Columbia, using the following values:

- 1) Area of DC (land only) = 158 km² = 1.58 x 10¹⁴ mm²
- 2) Two feet of snow = 610 mm
- 3) Volume of 610 mm of snow in DC = 610 mm x 1.58 x 10¹⁴ mm² = 1 x 10¹⁷ mm³

5) One snowflake per mm³ (small snowflakes) equals 1 x 10¹⁷ snowflakes, which is less than one micromole (6.02 x 10¹⁷ snowflakes). A larger size estimate for the snowflakes would of course result in a smaller number.

Another calculation, apparently related to a potential spring thaw following a mole of snowflakes falling on DC, comes from Sylvester Greer of Welcome, MD, an undergraduate at Drexel University (studying chemistry, we hope).

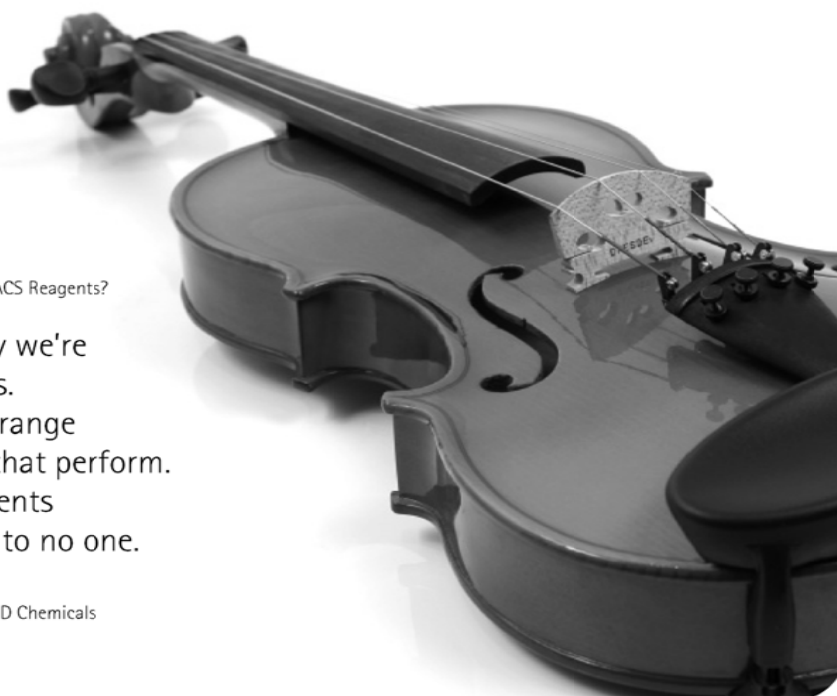
- 1) Mass of one snowflake = 3 x 10⁻⁸ kg (web citation given)
- 2) Mass of one mole of snowflakes = 1.8 x 10¹⁶ kg
- 3) Volume of one mole of snowflakes when melted = 1.8 x 10¹⁶ liters = 1.8 x 10⁴ km³
- 4) Area of DC (land + water) = 177 km²
- 5) Height of column of water = 1.8 x 10⁴ km³ ÷ 177 km² = **100 km**

www.emdchemicals.com/analytcs

Does EMD know anything about ACS Reagents?

You might say we're
in tune with your needs.
EMD offers a diverse range
of ACS products that perform.
The quality of our solvents
plays second fiddle to no one.

That's what's in it for you. EMD Chemicals



BUSINESS DIRECTORY**SERVICES****NMR_{Service} 500MHz*****Mass*****Elemental Analysis****NuMega Resonance Labs**

numegalabs.com P-858-793-6057

**Eastern Scientific**

www.easternsci.com

781-826-3456

Vacuum Pump Problems?

Eastern Scientific specializes in the repair and precision rebuilding of all makes of mechanical vacuum pumps.

Free pick-up & delivery
Restrictions apply



NEW ERA ENTERPRISES, INC.
NMR-IR/FTIR-UV-VIS-FL
sampling supplies & accessories

Three major catalogs / pricing to view
and download from
www.newera-spectro.com

One source for Spectroscopic
Sampling Supplies

CAGE Code: 44ME9
DUNS: 556785657

1-800-821-4667 cs@newera-spectro.com

***It's easy being green! Recycle this
issue and all recyclable materials.***

CAREER SERVICES

★ Institute for Defense Analyses★

- Are you a PhD with a strong quantitative bent and a breadth of knowledge that you think makes you stand out from your peers?
- Are you a PhD scientist or engineer that has always been interested in the policy surrounding the government's decisions about technology? And do you wonder about the quality of scientific advice that goes into such decisions?
- Do you have lab experience, but prefer computer based or theoretical research with interdisciplinary flavor? Or perhaps you are a theoretician, with extraordinary talents that cut across several fields?

If those questions caused you to pause and think, IDA may be the right place for you to develop a challenging and satisfying career. IDA is a place where your work could have outstanding impact. Most of our analyses support the Departments of Defense and Homeland Security as well as the Executive Office of the President and Joint Chiefs.

Please visit www.ida.org to learn more about us. To apply, e-mail your resume to <http://jobs-ida.icims.com/jobs/1223/job>, specifying Capital Chemist. In addition to openings for PhDs we also have paid summer internships for rising seniors and grad students. IDA is proud to be an equal opportunity employer.

**CAREER SERVICES****PROMOTE YOUR PRODUCTS AND SERVICES • ADVERTISE IN THE CAPITAL CHEMIST**

The Capital Chemist readership is greater Washington DC's largest source for chemical and biochemical buyers. *The Capital Chemist* reaches more than 4,300 readers each month. It has been estimated that these buyers annually purchase more than \$215,000,000 of:

- EQUIPMENT
- SUPPLIES
- CONSULTING SERVICES

Placing an advertisement in *The Capital Chemist* is the lowest cost method of reaching this select audience.

For further information and other options for promoting your company's products and services visit:
www.mboservices.net

SERVICES**Micron Analytical Services**

COMPLETE MATERIALS CHARACTERIZATION
MORPHOLOGY CHEMISTRY STRUCTURE

SEM/EDXA • EPA/WDXA • XRD XRF • ESCA • AUGER • FTIR • DSC/TGA

Registered with FDA • DEA GMP/GLP Compliant

3815 Lancaster Pike Wilmington DE. 19805

E-Mail micronanalytical@compuserve.com

Voice 302-998-1184, Fax 302-998-1836

Web Page: www.micronanalytical.com

Advertisers in this issue:

Eastern Scientific 7

EMD 6

Institute for Defense Analysis..... 7

Micron Inc. 7

New Era Enterprises 7

NuMega Resonance Labs 7

Obituary: Marshall Nirenberg, Nobel Prize-winning Biochemist

Marshall W. Nirenberg, 82, a CSW member and Nobel Prize-winning NIH scientist who made the major contributions to deciphering the genetic code in 1961, died Jan. 15 of cancer at his New York home. He also lived in Potomac, MD.

His death came two months after colleagues and students past and present joined him on the NIH campus in Bethesda for a symposium dedicated to his work and its impact (*C&E News*, Jan. 18, page 28).

Nirenberg came to NIH in 1957 as a newly minted Ph.D. During his postdoctoral tenure there, he continued his graduate research on sugar transport and enzyme purification. Shortly after being hired as a permanent member of the NIH staff in 1959, Nirenberg switched his research area to genetics, and it wasn't long before that work bore fruit.

In 1961, Nirenberg and postdoctoral associate Heinrich Matthaei used a cell-free extract of *Escherichia coli*, a suite of radiolabeled amino acids, and synthetic RNA made entirely of

uracil to determine that the nucleotide sequence UUU codes for the incorporation of phenylalanine into proteins.

For his groundbreaking contributions toward interpreting the genetic code and its function in protein synthesis, Nirenberg was one of three researchers to share the 1968 Nobel Prize in Physiology or Medicine.

Nirenberg never stopped working. Until very recently he was in the laboratory working on small-molecule screening for applications as diverse as addiction, memory, and heart and lung disorders.

Nirenberg was preceded in death by his wife of 40 years, Perola Zaltzman Nirenberg, who died in 2001. He is survived by his wife of four years, Myrna Weissman.

Portions reprinted with permission from C&E News.

Photo: Marshall Nirenberg (R) received the ACS Historic Chemical Landmark plaque from ACS President Thomas Lane at a November 12 ceremony at Masur Auditorium on the NIH campus. Photo: Bill Branson.



More Feedback Needed from CSW Members on the Electronic Newsletter

Jeffrey A. Smiley, Editor

The CSW Publications Committee and CSW officers are considering changing the distribution of *The Capital Chemist* to make the electronic (internet accessible) version the more predominant form of the newsletter, and decrease the number of paper copies.

The December issue of *The Capital Chemist* contained a discussion of the matter, and requested feedback from CSW members. We have received about a dozen or so responses, but more feedback is requested.

Please see the December issue for full discussion of the factors surrounding this potential change. An electronic version (!) of the December issue can be located at the CSW web site, www.csw-accs.org, under "Capital Chemist Archive."

CSW: Celebrating over a Century of Service to Washington DC Area Chemists

The Capital Chemist
(USPS 556-400)
Publication of The Chemical Society of Washington
Section of The American Chemical Society
Dated Material

Periodical Postage
PAID
at Washington, DC