

SEAC *communications*

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PRESIDENT'S MESSAGE

This seems to be the year of the Royces. Royce Murray celebrated his Golden Anniversary at the University of North Carolina and Royce Engstrom has become the president of the University of Montana. Very impressive!

Royce, Murray that is, passed the fifty-year milestone at UNC-CH this past August. He started there as an instructor in the chemistry department in 1960 and never looked back. I won't list his many accomplishments and awards since I'm limited by the editor in the amount of space I'm allowed to use for my message. However, I call your attention to the recent article in C&EN (August 23, 2010, pp.38-40). It's a very well written look at this outstanding individual.

As you can also read in this issue of the Newsletter, Royce Engstrom was just named President of the University of Montana. Royce began his academic career in the Department of Chemistry at the University of South Dakota in 1979 and spent approximately 20 years as an academic before making the move to administration, where he eventually became provost and VP of academic affairs. In 2007, he moved to Montana where he accepted the same positions until his appointment as president. To my knowledge, Royce is only the second SEACer to reach the exalted position of university president. The other, Larry Faulkner, was the president of the University of Texas at Austin. Correct me, if I missed someone.

Christian Amatore, a Reilley Award recipient, has just been appointed Honorary Fellow by the Royal Society of Chemistry and was elevated to the rank of Knight in the Order of Légion d'Honneur by the Republic of France. These honors are even on a par with the Reilley Award!

In the same issue of C&EN containing the Murray article are listed two other SEACers who have garnered awards from the ACS. Congratulations to Chris Enke who received the ACS Award in Analytical Chemistry and Debra Rolison for the ACS Award in Chemistry of Materials. These awards will be presented at the ACS National Meeting in Anaheim next March.

In this issue

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Kudos to all of our outstanding SEACers.

On another note, I just heard from an old friend from my ion-selective electrode days, Michael Brand, who has started an eNewsletter called Sensor100. It explores the limits of innovation in the bio- and chemo-sensor domains. The objective is to form a global network of organizations and people active in research, development and commercialization of sensor technology. You can sign up by going to www.sensor100.com.

Finally, be sure to read through this issue of the Newsletter for many timely and important items of interest.

Dick Durst

ROYCE MURRAY – ACCOLADES NEAR AND (SORT OF) FAR

Royce Murray, academic father or grandfather of many of the practicing electrochemists today, as well as a very strong presence in the American Chemical Society, was recognized with a Symposium in his honor at the National Meeting in Boston in August. The symposium, *A Half-Century at the Crossroads of Chemistry: In Honor of Royce Murray's 50 Years at Carolina* was organized by Debra Rolison, Robin McCarley, R. Mark Wightman, and Mary Beth Williams. The four half-day sessions included presentations by representatives from around the globe whose lives and careers were touched by Royce's contributions to the field of analytical chemistry. In addition to the comments on his excellent analytical chemistry, there were also a great deal of "do you remember?" moments and opportunities to let Royce know the impact that he has had outside the classroom and laboratory.



Royce and Mirtha



Mary Beth Williams, Robin McCarley, Royce, Mark Wightman, Debra Rolison



Jeanne Pemberton, Jerome Lenhard, Henry White



Bill Heineman, Michael Johnson, Mike Elliott



Royce and his current students



Mirtha, Bill Heineman, Ben Xue

Closer to home (i.e., Chapel Hill, North Carolina), Royce became one of the handful of academic chemists with a building named in his honor. On October 12, the Venable Hall and Murray Hall buildings were officially opened on the UNC campus, replacing venerable old Venable Hall. (How many people out there dealt with finding room 11-19 or 12-21 when they were a frantic student looking for a lab?)



Introductory remarks were made by Holden Thorp, the current UNC-CH Chancellor (and also a Carolina chemistry grad), Robert Winston III, the Chair of the UNC-CH Board Of Trustees, Karen Gill, Dean of the College of Arts and Sciences, and Francis Venable's granddaughter, Ms. Sarah Tomlinson. Ms. Tomlinson spoke of how she had been told to seek out those with the most wisdom when she asked questions of her grandfather, and went on to characterize Royce as "the epitome of wisdom." Royce (in his usual unassuming fashion) spoke only of how his goal has been to inspire enthusiasm and a joy in research in his students. Congratulations, Royce. We all are proud to know you.



CHRISTIAN AMATORE – KNIGHT, ORDER OF LÉGION D'HONNEUR

In addition to the many national and international awards and medals (including SEAC's C.N. Reilly Award) and his status as Knight of the French Order of Merits, Christian Amatore has just been appointed Honorary Fellow by the Royal Society of Chemistry. More recently Christian was elevated to the rank of Knight in the Order of Légion d'Honneur by the French Republic. (Note the Medal in the photo at right which was awarded as part of this designation.)

Christian is Director of Research in Ecole Normale Supérieure and CNRS, the French National Research Center, and Editor of *ChemPhysChem*, a journal founded by continental European Chemical Societies and devoted to all aspects of physical chemistry and chemical physics including electrochemistry. He is a Full Member of the French Academy of Sciences, Fellow of the International Society of Electrochemistry, Honorary Fellow of the Chinese Chemical Society and Honorary Member of the Israeli Chemical Society. Until recently, he also served as one of twenty members of the High Council of Science and Technology which advised the French President on scientific matters.



ROYCE ENGSTROM BECOMES PRESIDENT OF UNIVERSITY OF MONTANA

In October, 2010, Royce Engstrom was announced as the 17th President of the University of Montana, succeeding George Dennison who had served in that capacity for 20 years.

Many within the electroanalytical and analytical chemistry community have known Royce Engstrom for a number of years as a colleague and friend. Royce began his academic career in the Department of Chemistry at the University of South Dakota in 1979. He earned his undergraduate degree with a major in Chemistry from the University of Nebraska Omaha and his Ph.D. in Analytical Chemistry from the University of Wisconsin Madison under the direction of the late Walt Blaedel. Early on in his career, he began using microscopic probes including microelectrodes to investigate electron transfer heterogeneity on electrode surfaces; work which laid some of the early foundation for Allen Bard's seminal work in the development and applications of scanning electron microscopy. Later, Royce and his research group developed and applied microscopic imaging using electrogenerated chemiluminescence and fluorescence probes to investigate electrode heterogeneity. Royce was a leader in undergraduate research and served as President of the Council on Undergraduate Research as well as. He also served six years as South Dakota Director for EPSCoR, and also served as Chair of the National EPSCoR Foundation and the National EPSCoR Coalition. Royce spent approximately 20 years in the classroom and laboratory before making the move to Central Administration, where he served at University of South Dakota as Vice President of Research and Dean of the Graduate

School before moving up to the position of Provost and Vice President of Academic Affairs. In 2007 Royce moved to Montana where he accepted the position of Provost and Vice President of Academic Affairs, leading now to his present position. Royce can be reached by email at: Royce.Engstrom@mso.umt.edu

BOARD OF DIRECTORS NOMINATIONS DUE!

It is nearly time to elect new board members, who would be elected for a term extending from July 1, 2011 through June 30, 2016. The terms of office for the following SEAC Directors will expire after June 30, 2011:

Carol Korzeniewski

Rick Van Duyne

Mary Beth Williams

As stated in the Society's Bylaws, these individuals are not eligible for immediate re-election as Directors.

The Nominating Committee (Chaired by Kathy Ayers) is currently preparing a slate of candidates to fill three positions on the Board of Directors. This list, according to the Bylaws, will include any person nominated by at least 10 members of the Society together with others deemed appropriate by the nominating committee. The list of candidates must be submitted to the Secretary by November 15 for the election to be held during the period December 1 – January 15. You are hereby invited to submit your suggestion(s) directly to the Chair of the Nominating Committee.

Kathy Ayers – Chair
SEAC Nominating Committee
Proton Energy Systems
kayers@protonenergy.com

PITTCON 2011

STUDENT TRAVEL AWARDS

Students – get those applications ready! SEAC Graduate Student Travel Grants are awarded to promising graduate students to offset the cost of travel to the Pittsburgh Conference to deliver an oral presentation in a Conference symposium. The presentation should be on a topic related to their Dissertation or Thesis, and in some area or application of electroanalytical chemistry. Because the costs in various venues of the Conference may vary, the amount of the award will be determined by SEAC and will be between \$250 and \$500. The value of all of the awards in any one year will be equivalent, but it may vary from year to year. The award will not exceed the reasonable cost of advance-purchase economy airfare and reasonable expenses for lodging, nor the awardee's actual expenses. In order to spread the travel money as equitably as possible, not more than two awardees will be selected from any one research group and no more than three awards will be made to students from any one educational institution. **Nominations for travel grants are due to the SEAC awards committee chair by January 10th.** The nomination shall consist of the student's current graduate transcript, a copy of the abstract submitted to the Pittsburgh Conference, a complete resume including publication list,

and a letter of recommendation from the student's research advisor. The advisor's letter should include a statement of approximate graduation date and a short description of the student's speaking ability.

A candidate shall be considered for an award for travel to Pittcon meetings occurring up to one year after the student's Ph.D. defense. Previous awardees will not be eligible for further consideration.

Award nominations should be submitted as a single pdf file to Mark Meyerhoff

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REILLEY AND YOUNG INVESTIGATOR AWARDS

Time to start thinking about nominations for the 2012 Reilley and Young Investigator Awards. The Reilley Award recognizes an active researcher who has made a major contribution to the theory, instrumentation, or applications of electroanalysis. The Young Investigator Award recognizes accomplishments by researchers who are within the first ten years of their career.

Nominations for the Reilley Award should include a letter of nomination describing the individual's significant contributions to electroanalytical chemistry, at least two seconding letters of support, and a curriculum vitae for the individual. All nomination materials will be retained by SEAC. Once nominated, any individual will be considered for the Reilley Award for three years without being renominated. **The decision for the 2012 Award will be based upon the material that is available to the Award Committee by the 1st of March 2011.**

For the SEAC Young Investigator Award, nominees must be within ten years of obtaining their Ph.D. or other terminal degree at the time of nomination. Candidates may be nominated by any member of SEAC. Nominations should include a letter describing the individual's promise in the area of electroanalytical chemistry, at least one seconding letter of support, and a curriculum vita for the individual. All nomination materials will be retained by SEAC. Candidates for the YI Award must be renominated each year during their period of eligibility. **Nominations for the 2012 YI award are due by the 1st of March 2011.** Nominations should be sent to Mark Meyerhoff at mmeyerho@umich.edu. A reminder will appear in our February newsletter. In the meantime, further details can be found at electroanalytical.org

ALREADY LOOKING FORWARD TO PITTCON 2012!

Interested in organizing a SEAC symposium for PITTCON 2012? Please contact Johna Leddy at johna-leddy@uiowa.edu as soon as possible as this will be an agenda item at the Board of Directors Meeting at Pittcon 2011.

OTHER MEETINGS TO COME

SCHEDULE - 2011 WORKSHOP ON ELECTROCHEMISTRY

Each year in Austin, Texas, the Workshop on Electrochemistry brings together experts in fields of engineering, materials, and electrochemistry to focus on topics in important areas of research. Participants address specific challenges in the field, exchange ideas and information, and catch up with colleagues from around the world. The third annual Workshop will be held February 19-20, 2011. The workshop is hosted by the Center for Electrochemistry. Specific topics include photoelectrochemistry, electrodeposition and electrosynthesis, industrial electrochemistry, and new electrochemical techniques. This year, speakers include **Frank Endres**, *Technische Universität Clausthal*, **Reginald Penner**, *University of California, Irvine*, **Kyoung-Shin Choi**, *Purdue University*, **Tony Gallo** and **John Jameson**, *Adesto Technologies Corporation*, **Stephen Mazur**, *E. I. du Pont de Nemours & Company*, **Luciano Iacopetti**, *Industrie De Nora S.p.A.*, **John Turner**, *National Renewable Energy Laboratory*, **Michael Graetzel**, *École Polytechnique Fédérale de Lausanne*, **Prashant Kamat**, *University of Notre Dame*, **YuYe Tong**, *Georgetown University*, and **Bo Zhang**, *University of Washington*. A detailed schedule and registration information is available at <http://cec.cm.utexas.edu/electrochemistry-workshop-2011>.

These exclusive workshops feature scientists and researchers from top universities, national laboratories, and electrochemical industries discussing cutting-edge electrochemical science. The workshops are held at the AT&T Executive Education and Conference Center on the campus of the University of Texas at Austin. The meeting venue includes state-of-the-art technology and communication services, comfortable accommodations, high speed internet access, digital TV programming, and access to the fitness center.

The workshop location is near to the many recreational and cultural attractions of the Austin Hill Country. The Austin campus is the site of 17 libraries and several world-class museums, and just a short walk or ride away from central Austin attractions: the Bob Bullock Texas History Museum, the Texas State Capitol, Congress Avenue, and the 6th Street and Warehouse shopping and entertainment districts. Known as "The Live Music Capital of the World," Austin is a vibrant mix of Texas friendliness and cosmopolitan sophistication, with opportunities for outdoor recreation activities. The weather in Austin during February can be cool, but is generally mild: the average high is 65 F (18 C) and the average low is 44 F (7 C).

HERE, THERE AND ALMOST EVERYWHERE

Meeting	When	Where	Link for More Information
9th International Frumkin Symposium "Electrochemical Technologies and Materials for 21 st Century"	2010, October 24-29	Moscow, Russia	http://www.elchem.ac.ru
Pacificchem 2010	2010, December 15-20	Honolulu, HI, USA	http://www.pacificchem.org/
2nd Electrochemistry Conference (Zing)	2011, February 16-	Sharm el Sheikh, Egypt	http://www.zingconferences.com/z.cfm?c=67

Meeting	When	Where	Link for More Information
Conferences)	19		
3 rd Annual Workshop on Electrochemistry	2011, February 19-20	Austin, TX, USA	http://cec.cm.utexas.edu/events
Pittcon 2011	2011, March 13-18	Atlanta, GA, USA	http://www.pittcon.org/
American Chemical Society Spring Meeting	2011, March 27-31	Anaheim, CA, USA	http://portal.acs.org/
219th ECS Meeting	2011, May, 1-6	Montreal, Canada	http://www.electrochem.org/meetings/biannual/fut_mtgs.htm
9th ISE Spring Meeting	2011, May 8-11	Turku, Finland	http://spring11.ise-online.org/
ICAS 2011, International Congress on Analytical Sciences	2011, May 22-26	Kyoto, Japan	http://www.icas2011.com/
Shikata Discussion 2011, International Symposium of Electroanalytical Chemistry	2011, May 27-29	Awaji Yumebutai, Japan	http://www.sd2011.org/index.html
Matrafured 2011 Conference on Electrochemical Sensors	2011, June 19-24	Dobogokö, Hungary	http://www.pretsch.ethz.ch/matrafured/
13 th International Symposium on Electroanalytical Chemistry (ISEAC)	2011, August 19-24	Changchun, China	http://iseac.ciac.jl.cn
American Chemical Society Fall Meeting	2011, August 28-September 1	Colorado, CO, USA	http://portal.acs.org/
62nd Annual ISE Meeting	2011, September 11-16	Niigata, Japan	http://event11.ise-online.org/
220th ECS Meeting	2011, October, 9-14	Boston, MA, USA	http://www.electrochem.org/meetings/biannual/fut_mtgs.htm
Pittcon 2012	2012, March 11-16	Orlando, FL, USA	http://www.pittcon.org/
American Chemical Society Spring Meeting	2012, March 25-29	San Diego, CA, USA	http://portal.acs.org/
10th ISE Spring Meeting	2012, April 16-19	Perth, Australia	http://www.ise-online.org/annmeet/next_meetings.php
221st ECS Meeting	2012, May, 6-11	Seattle, WA, USA	http://www.electrochem.org/meetings/biannual/fut_mtgs.htm
11th ISE Spring Meeting	2012, May 23-25	Washington DC, USA	http://www.ise-online.org/annmeet/next_meetings.php
63rd Annual ISE Meeting	2012, August 19-24	Prague, Czech Republic	http://www.ise-online.org/annmeet/next_meetings.php
American Chemical Society Fall Meeting	2012, August 19-23	Philadelphia, PA, USA	http://portal.acs.org/

REPORTS FROM RECENT MEETINGS



A number of SEAC members attended the Monitoring Molecules in Neuroscience meeting in Brussels, Belgium. Shown above left are Andy Ewing, Mark Wightman, Jean-Michel Kaufmann, and Sue Lunte at Bastogne, site of the WW II Battle of the Bulge. Above right Mark, Sue, and Andy are joined at Waterloo by the newest SEAC member. We look forward to a report on the large scale, high temperature electrolysis on exhibit. (Thanks for the photos and comments, Mark!)

MEMBER NEWS

GOINGS AND COMINGS

From Joe Gordon: I miss my reminder that the SEAC newsletter is ready. So, here is my new email address: joegordon@post.harvard.edu. I retired from IBM in 2009, but soon started to work again in the office of the CTO of Applied Materials where I am now.

SOME VERY SAD NEWS FOR ELECTROCHEMISTS –



Many SEAC members have met Bob Rodgers at meetings over the years or corresponded with him about instruments or cars or any number of outside interests he shared. In news that hits many of us hard, Pete Peterson writes to say that Bob passed away on October 23rd from lung cancer.

After getting his BS at Brooklyn Polytech (likely a result of cutting Louis Meites lawn as a teenager), and beginning his graduate work there, he followed Professor Meites to Clarkson and finished up his PhD there. Bob did a post-doc with Fred Anson and then began his own academic career at Michigan State and then at Lehigh. He then switched to the commercial side, working with Princeton Applied Research for several years, then as a consultant before joining Gamry in 2001.

From his limitless knowledge on everything electrochemical – which spanned the range from

instrument and software design to their applications - to his enthusiasm for his DeLorean and for the inimitable Duesenberg, Bob was not only a font of wisdom but of humor and good will as well. He was invariably pleasant and encouraging to those new to the field and patient with everyone who asked him questions for the umpteenth time about why something looked weird in their results or needed an explanation about how it really WAS possible to get that information they needed.

Bob, who recently got to grow the ponytail he always wanted, likely would not really want a flowery eulogy (evidence of his outlook can be found on his personal webpage, which still can be accessed at <http://www.deloreanmotorcar.com>). So, let us instead lift a toast to one of our own and salute the perfection of the Duesenberg.

Bob's family has suggested that those who wish to do so can make donations in Bob's honor to the American Cancer Society.

POSITIONS AVAILABLE IN BIOANALYTICAL CHEMISTRY

The Department of Pharmaceutical Chemistry (<http://www.pharmchem.ku.edu/>) at the University of Kansas invites applications for a full-time tenure-track faculty position at the Assistant or Associate Professor level in Bioanalytical Chemistry for the 2011-2012 academic year. The Department offers an excellent research and teaching environment broadly focused on four key areas (1) bioanalytical chemistry and proteomics. (2) the design and preformulation characterization of proteins and vaccines for use as pharmaceutical products, (3) physicochemical understanding of mechanisms of small and large molecule drug degradation and stabilization and (4) directed drug delivery and cellular trafficking. The Pharmaceutical Chemistry department is affiliated with the Ralph N. Adams Institute for Bioanalytical Chemistry (<http://www.adamsinstitute.ku.edu/>) and houses the Macromolecule and Vaccine Stabilization Center at the University (<http://web.ku.edu/~mvslab/index.shtml>). The candidate should demonstrate a strong potential for research and scholarship for appointment at the rank of Assistant Professor or a proven record of research and scholarship, commensurate with rank, for appointment at the level of Associate Professor. Applications include a letter of interest, a concise summary of past research and future research plans, a resume, and the names and addresses of three references. For position details and to apply go to <https://jobs.ku.edu>, search for position 0001650. Screening of applications will begin October 15, 2010. Applications will be accepted until the position is filled. EO/AA Employer.

The Department of Chemistry (<http://www.chem.ku.edu/>) at University of Kansas is seeking exceptional candidates for a tenure-track position in Bioanalytical Chemistry at the assistant professor level expected to begin as early as August 18, 2011. Outstanding candidates with a proven track record of independent publications and funding can be considered at the associate professor level. The successful candidate will become a member of the Ralph N. Adams Institute for Bioanalytical Chemistry which offers a collaborative and cross-disciplinary research environment. Resources include a state-of-the-art microscopy facility, an 800 MHz NMR, Fourier Transform and MALDI TOF/TOF mass spectrometers, and a microfabrication facility with a class 100 clean room housing ICP-RIE and PE-CVD capabilities. A desire to effectively teach at both the undergraduate and graduate levels is expected and a statement of teaching philosophy and interests is required. A competitive salary will be offered that is commensurate with experience. A Ph.D. or ABD in chemistry or closely related field is expected by start date of appointment and postdoctoral experience is desirable. For a complete announcement and to apply on-line, go to <https://jobs.ku.edu> and search for position 00002056. Submit application

cover letter, CV, a list of three references, and a 2-page teaching philosophy statement/expertise/and interests on-line. The following information, a brief summary of 2-3 research proposals (2 pages each) and three letters of recommendation should be sent separately to: Gary Webber, Bioanalytical Search Committee Coordinator, Multidisciplinary Research Building, 2030 Becker Drive, University of Kansas, Lawrence, KS 66047, (785) 864-2342 (gwebber@ku.edu). Review of applications will begin October 15, 2010, and will continue until no longer needed. EO/AA Employer.