



Division of Nuclear Chemistry and Technology
American Chemical Society

NUCL WWW Home Page – <http://www.cofc.edu/~nuclear>

NEWSLETTER
January 2012

Newsletter Editor: Lætitia Delmau
Email : delmaulh@ornl.gov

Topics

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FROM THE CHAIR – *Ken Nash*

With the dawn of a new year comes the Division's annual rite of passage and the handoff of responsibility for managing divisional affairs – now it's my turn! I promise to do my best to keep the ship afloat and moving in the right direction. We must thank again Past Chair Mike Bronikowski for the significant efforts he exercised in getting us through a successful Year of Chemistry. Welcome to new officers Vice-Chair Paul Mantica, Councilor Graham Peaslee and Member-at-Large of the Executive Committee, Suzanne Lapi – of course, thanks also to officers continuing to serve.

One advantage that I and future Chairs will enjoy is the able and energetic assistance of Jen Braley, who continues as Program Chair. I plan to continue to work closely with Jen this year on developing strategies to increase the ease of organizing symposia, for program planning and for working around the quirks of the PACS abstract submission/symposium management system. Organization for our combined first effort, the upcoming San Diego meeting, is very nearly complete. The technical program for San Diego runs from Sunday morning through Wednesday afternoon and is highlighted by symposia honoring Seaborg Award winner, Silvia Jurisson, and the career

Chair, 2012

Program Chair 2012

KENNETH L. NASH

Washington State University
Chemistry Department
Pullman, WA 99164-4630
Phone: (509) 335-2654
knash@wsu.edu

Chair-Elect, 2012

Program Chair, 2013

ROBERT S. RUNDBERG

Los Alamos National Laboratory
P.O. Box 1663, MS-J514
Los Alamos, NM 87545
Phone: (505) 667-4785
rundberg@lanl.gov

Vice-Chair, 2012

Program Chair, 2014

PAUL F. MANTICA

Michigan State University
National Superconducting Cyclotron Lab
1 Cyclotron
East Lansing, MI 48824
Phone: (517) 908-7456
mantica@msu.edu

Secretary, 2011-2013

W. FRANK KINARD

Dept. of Chemistry and Biochemistry
College of Charleston
Charleston, SC 29424
Phone: (843) 208-5587
kinardf@cofc.edu

Treasurer, 2011-2013

ALICE MURRAY

Savannah River National Laboratory
Aiken, SC 29808
Phone: (803) 208-3621
alice.murray@srnl.doe.gov

Councilor

STEVEN W. YATES, 2011-2013

yates@uky.edu

Councilor

GRAHAM F. PEASLEE, 2012-2014

peaslee@hope.edu

Alternate Councilor

DAWN A. SHAUGHNESSY, 2012-2014

Division Councilor Emeritus

ELLIOT S. PIERCE

Members-at-Large, Executive Committee

SUZANNE LAPI, 2012-2014

DAVID MORISSEY, 2010-2012

contributions of Al Ghiorso and Lester Morss. Other symposia will be dedicated to the role of colloid transport in the environment, to topics in nuclear medicine, and a return of General Topics in Nuclear Science. The Division's Business Meeting and Social Hour will continue on Monday evening after the close of the technical sessions. ACS has informed us that 12,000 abstracts have been accepted for presentation at this meeting, necessitating that the meeting will be somewhat more spread out than most recent meetings. The NUCL program is slated for the Westin San Diego Hotel, according to ACS about 0.6 miles from the Convention Center.

We have at present four symposia planned for Philadelphia in the Fall, including a symposium honoring Garvin-Olin Award winner Sue Clark and another commemorating the 100th Anniversary of the birth of Glenn Seaborg and Charles Coryell. Abstract submission for this meeting opens January 23 and is scheduled to close March 19. As always, we encourage and solicit your ideas for future programming - organizing a symposium is not as difficult as it sounds and it is both a professionally and personally rewarding experience.

Two final items of importance that I would like to bring to your attention. First, as Mike Bronikowski informed us last year, the Division must in a comparatively short time develop a plan for the continued financial support of the Glenn T. Seaborg Award in Nuclear Chemistry. In his comments below Mike addresses this issue. Secondly, NUCL has been approached by the Health Physics Society on various ideas for cooperation. The Executive Committee will examine these issues in San Diego, but the thoughts of membership are also most welcome - please communicate your ideas and opinions to any of the officers listed on the letterhead.

FROM THE PAST CHAIR- *Mike Bronikowski*

As past chair I have two duties for this year. They are; finding candidates to run for the 2013 division elections and setting up a Seaborg award funding committee.

We need candidates to run for two positions in the 2012 division elections. The first position is that of Vice Chair for 2013. The division alternates this position yearly between the academic and industry/national laboratory community. For 2013 we will be looking for candidates in the industrial/laboratory community. This position is the start to becoming divisional chair in 2015. If you are interested in meeting people, increasing the awareness of the nuclear field, and building the division, this is a job for you. The second position is that of Member at large, Executive Committee 2013-2015. The member at large position helps out the executive committee on various projects that come up throughout the year. If you are interested in running for either position or have questions you get in touch me or the secretary.

I will also be working on setting up a Seaborg Award Funding Committee before the spring National ACS meeting. The committee is part of our division's response to the ACS Awards Review Committee. We wrote, "The Glenn T. Seaborg Award for Nuclear Chemistry is an ACS National Award with a monetary award of \$5000 - sponsored by the Division of Nuclear Chemistry and Technology. The Division has the funding for this Award for the next three years and will set up a funding committee before the next National ACS meeting to solicit the necessary funding to continue the Award well into the future". At minimum the committee will need a chair and four or five others to help solicit funds or find sponsors for the award fund. If you want to serve on the committee let me know soon as I will have to begin to solicit committee members at the end of January. If you want to be a corporate

sponsor let me know. If you want to make a donation to help out, our treasurer Alice will gladly accept them.

UPCOMING PROGRAMMING

Fall 2012 – Philadelphia – Materials for Health and Medicine

- Frances P. Garvin-John M. Olin Medal: Award Symposium in honor of Sue B. Clark - *Environmental Radiochemistry: Recent Advances and Interesting Careers* (Organizers Chris Armstrong, SRNL, Andrew Sowder, Electric Power Research Institute)
- Celebrating the 100th Anniversary of the birth of Glenn T. Seaborg and Charles Coryell (Organizers: Walter Loveland Romualdo deSouza, Todd A. Bredeweg, other organizers welcome)
- Young Investigators in Nuclear Science (Organizers: Nathalie Wall, Justin Walensky)
- High Energy Density Physics and Chemistry (Bob Rundberg, LANL, Dawn Shaughnessy, LLNL)
- Thermodynamics and Kinetics: The Basic Science of Separations (Organizers: Leigh Martin, Peter Zalupski) – cosponsored with I&EC/SS&T (primary)

Spring 2013 – New Orleans – Chemistry of Energy and Food (energy from food)

- Seaborg Award Symposium
- Analytical Chemistry in Nuclear Technology (Organizers: Charles Coleman, Dave Hobart et al.)
- Nuclear Forensics (Organizers: Glenn Fugate et al.) – (NUCL primary – cosponsored with I&EC/SS&T)
- Radiochemistry and risk assessment of food and water contaminated with radionuclides (Organizers: Michael Arndt, michael.arndt@slh.wisc.edu, 608.224.6227, Catherine Franklin, catherine.franklin@doh.wa.gov, 206.418.5448, Thomas Semkow, tms15@health.state.ny.us, 518.474.6071,

Lynn West, lynn.west@slh.wisc.edu , 608.224.6227)

Fall 2013 – Indianapolis – Chemistry in Motion (transportation)

- open

Spring 2014 – Dallas – Chemistry of Power and Advanced Materials

- Seaborg Award Symposium
- Global Status of Nuclear Energy (responding to thematic programming) (organizer: Ken Nash et al. – others welcome)

Fall 2014 – San Francisco – Chemistry for a Sustainable World

- Open

Several other concepts in development

Radiochemistry Infrastructure – cooperative with the Health Physics Society

Environmental Radiochemistry (Ralf Sodowe, UNLV, Spring 2013?)

Archaeometry

SUMMER SCHOOL – *Dave Robertson*

The National Nuclear Chemistry Summer School is designed to expose outstanding undergraduate science and engineering students to nuclear and radiochemistry. The program has been highly successful at recruiting students to pursue graduate studies in the nuclear sciences. The six-week summer schools will be held at San Jose State University and Brookhaven National Laboratory from June 10 through July 20. Herb Silber will serve as the site director at SJSU and Louis Pena will serve as site director at BNL. A description of the program and an on-line application form can be found at <http://chemistry.missouri.edu/nucsummer> Please help us advertise the program to outstanding undergraduate students. The application deadline is **February 1**.

2011 Outstanding Students:

Andrew Sonnenberger (Illinois Wesleyan University) and Jeff Kwarsick (Michigan State University) were selected as the 2011 Outstanding Students of the ACS Nuclear and Radiochemistry Summer Schools. Jeff attended the SJSU school, while Andrew was located at BNL. Both will attend the ACS National Meeting in San Diego

Questions, comments, or concerns regarding the summer school program should be directed to:

Prof. J. David Robertson
National Director, ACS Nuclear and
Radiochemistry Summer Schools
University of Missouri
Columbia, MO 65211-7600
Phone 573-882-2240
robertsonjo@missouri.edu

TREASURER'S REPORT – Alice Murray

For 2011, the NUCL Division had \$106,426.69 in expenditures and \$153,005.16 in income. Details of the expenditures and income are given below.

Expenditures

Summer School	\$ 85,820.55
ACS Mtg Expenses	\$ 13,117.64
Misc Admin	\$ 2,456.52
Innovative Proj Grant	\$ 4,031.98
Awards	\$ 1,000.00
Total	\$106,426.69

Income

Summer School	\$105,000.00
ACS allocations, dues	\$ 30,629.10
Royalties	\$ 2,976.06
Donations	\$ 14,700.00
Total	\$153,005.16

RSO TRAINING

The Harvard School of Public Health Center for Continuing Professional Education offers Radiation Safety Officer Training for Laboratory Professionals

Dates: June 4 - 8, 2012

Event: Radiation Safety Officer Training for Laboratory Professionals

URL: <https://ccpe.sph.harvard.edu/RSO>

Location: Harvard School of Public Health,
651 Huntington Ave, Boston, MA

Email: Contedu@hsph.harvard.edu

Sponsor: Harvard School of Public Health
Center for Continuing Professional Education

Description: This 40-hour training program is specifically designed to train researchers and safety officers with the necessary skills to implement a radiation protection program in the biotechnology, university, hospital, or medical laboratory setting. This program will focus primarily on the radionuclides most commonly used in biotechnology, hospitals, and medical facilities (i.e., C-14, H-3, S-35, P-32/33, Ni-63, Tc-99m, and radioiodines), as well as the techniques used to assay these radionuclides in laboratory radiation safety surveys.

Peter J. Bretton

Center for Continuing Professional Education
Harvard School of Public Health
phone: 617.384.8965 | fax: 617.384.8690
pbretton@hsph.harvard.edu |
<https://ccpe.sph.harvard.edu/>