



Division of Nuclear Chemistry and Technology
American Chemical Society

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

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NEWSLETTER October 2011

Newsletter Editor: Lætitia Delmau
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Topics

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FROM THE CHAIR – *Michael Bronikowski*

The Denver ACS meeting went well for the NUCL division. Six of our division members were named ACS fellows in Denver. Congratulations to: Janet L. Bryant, Gregg J. Lumetta, Paul F. Mantica, Heino Nitsche, Kimberly W. Thomas, and Sherry L. Yennello. The division had 121 talks in four symposia and the Marie Curie one woman dramatic presentation as performed by Carole Berg. Carole was wonderful! One of our symposia was even covered in the Sept. 26th C&E News, pages 36-37. I'd like to thank all of the organizers for all their hard work getting good talks, finding outside funding, dealing with PACS (it is getting better), and moderating. The division even had two symposia taped. They can be viewed on the ACS meeting website.

The executive committee met and discussed a few important topics that were then presented in the business meeting: the first is that the programming committee has found a Program Chair to help with PACS and the continuity of our programming. Dr. Jenifer Braley has accepted the challenge, wish her well. The second is that the October Newsletter is the last one that will be sent both electronically and through the mail. ***Starting in January, the newsletter will be distributed exclusively by e-mail.*** There are now more than

1015 division members and only 47 that still get the newsletter by mail. It turned out that some members who are still receiving a hard copy were not aware that their ACS profile did not contain an e-mail address, which automatically triggered a paper version. If you are still receiving a paper copy, please contact the newsletter editor to provide an e-mail address or make sure you access the division website around the 20th of January, April, July and October. The newsletter is posted there. We will still send out an email when the newsletter is out so you can download it from our web page.

The last important topic discussed was the Glenn Seaborg award, which was again under review by the ACS Awards Review Committee (ARC). The ARC needed a formal written response to their questions and concerns. Here is the summary of the response letter so you can understand what is needed.

“In summary, 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”

Basically, we need to find a sponsor or solicit money fairly soon to continue the award. If you want to serve on the committee let me know. 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.

Far more enjoyable topic during the business meeting was the awarding of the 2011 Coryell Award. Ben Farr and Jeremy Townsend both students from the University of Tennessee won the award and were on hand to receive it.

Speaking of awards, it is with great pleasure that I inform you that Professor Silvia Jurisson from the University of

Missouri-Columbia is the 2012 Seaborg Award winner. We had a second NUCL Division award winner. The 2012 Francis P. Garvin – John M. Olin Medal award went to Professor Sue Clark of Washington State University. Congratulations to both of them!

Finally, as Frank has given me the Past Chair Pin this will be my last contribution to the Division Newsletter as Chair. I would like to thank everyone who helped out and made this year memorable. I would also like to give special thanks to those who helped me out on the executive committee; I hope I helped you as much as you helped me.

Michael G. Bronikowski
2011 Chair, NUCL

FROM THE CHAIR-ELECT – *Ken Nash*

The year has passed by so quickly; it is hard to believe that we are already into the fourth quarter of 2011! Starting from the earthquake and tsunami in Japan and continuing through the spring and summer of a shaky global economy, 2011 will perhaps for many not be remembered fondly. For me personally, entering the fourth quarter means that we are getting closer to the time I will assume the not inconsiderable responsibilities of NUCL Chair. I am ready to accept this duty and look forward to serving our collective interests to the best of my ability. We owe our thanks to Mike Bronikowski for the time and effort he has expended as Chair during 2011, particularly the quality technical programs we have seen in the Anaheim and Denver meetings. As he indicated in his remarks above, the Division has some challenging issues to address in the coming years, not least of which is developing and securing a funding strategy for continuation of the Seaborg Award as an ACS National Award. Any ideas you have on the subject would be most welcome.

During 2011 in my role as Chair-Elect I have focused my energies on trying to improve the structure of our approach to programming. My ulterior motive was trying to relieve the Chair of much of the burden of dealing of organizing technical programming at the national meetings while contending with the larger responsibilities of overseeing the continued health and welfare of the Division. The addition of Jen Braley as Program Chair will certainly aid in maintaining continuity and institutional memory in our programming efforts. I am looking forward to working with Jen and with Bob Rundberg on continuing to improve the structure of our efforts in technical programming. But the bottom line is that whatever we do to structure the system to improve its function, the ultimate success or failure of our programming efforts rests on the contributions of volunteers – symposium organizers and speakers. Your ideas for symposia and willingness to volunteer your time to organize for national, regional and local section meetings are always welcome, indeed they are necessary if we are to continue to provide interesting programming at ACS technical meetings. Recent addition of recording selected symposia offers an opportunity to bring this technical programming to those members who are unable to attend the meetings – it is important that we continue to develop quality technical programming.

A final note, as Mike noted above, NUCL is the proud home of two national Award winners for 2012, Silvia Jurisson as the Seaborg Award winner and Sue Clark as the Garvin-Olin Award winner. The Award symposium for Professor Jurisson is being organized for the San Diego meeting. Professor Clark has a conflict at that time and has elected to postpone her Award symposium to the Fall 2012 meeting in Philadelphia. Look further down in this newsletter for our proposed programming and ACS themes for 2012 and beyond

(including these award symposia) – if you see something we could add, be sure to let us know. Bring us your ideas and we'll help you get organized.

UPCOMING PROGRAMMING

Spring 2012 – San Diego – Chemistry of Life *(the abstract submission deadline has been extended to **October 31**)*

- Glenn T. Seaborg Award for Nuclear Chemistry Symposium honoring Silvia Jurisson (Organizers: John D. Robertson, Lynn Francesconi)
- A Tribute to an Extraordinary Alchemist Albert Ghiorso 1915-2010 (organizers: Dave Hobart, Dawn Shaughnessy, Darleane Hoffman)
- A career in actinide science: Tribute to Lester Morss (Organizers: Al Sattelberger, Dave Clark, David Shuh)
- Colloid Facilitated Actinide Migration (Organizers: Jon Schwantes, Peter Santschi, Andy Felmy) (Postponed)
- EM Waste forms (Organizers: David Hobbs, Kevin Fox, John McCloy) – cosponsored with I&EC/SS&T (primary)
- Fundamentals and Applications in Hydrometallurgy (Organizers Bruce Moyer, Ben, Hay, Alexandre Chagnes, Gerard Cote) - cosponsored with I&EC/SS&T (primary)

Fall 2012 – Philadelphia – Materials for Health and Medicine

- Frances P. Garvin-John M. Olin Medal: Award Symposium in honor of Sue B. Clark (Organizers TBD)
- Celebrating the 100th Anniversary of the birth of Glenn T. Seaborg and Charles Coryell (Organizers: Walter Loveland Romualdo deSouza, Todd A. Bredeweg, others welcome)
- Young Investigators in Nuclear Science (Organizers: Nathalie Wall, Justin Walensky)

- 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

Nuclear Energy in High Density Materials (Bob Rundberg, LANL)

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

Archaeometry

SUMMER SCHOOL

From Paul Mantica:

The 2011 ACS/DOE Nuclear and Radiochemistry Summer School program came to a close at the end of July. A total of 23 students participated either at Brookhaven National Laboratory or San Jose State University. Contact information for these students can be obtained by email (mantica@msu.edu). Thanks to all NUCL members who helped with the summer school this year.

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 be invited to attend the ACS National Meeting in San Diego next spring.

National Director change:

Dave Robertson from the University of Missouri will be the new NCSS National Director starting with the Summer 2012 program.

2012 Nuclear and Radiochemistry Summer School:

The tentative dates of the 2012 Summer School will be Sunday, June 10 - Saturday, July 21. On-line application forms will be available by November 1 on the Summer School website:

<http://www.cofc.edu/~nuclear/nukess.html>

The application deadline will be February 1, 2012. An email reminder about the need for student recruiting will be sent to division members in December. Please encourage your outstanding undergraduate students to apply to the program.

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 has received \$31,577.97 in income from royalties, donations, division dues, and the ACS allocation to the division. The donations from the Department of Environmental Engineering and Earth Sciences at Clemson University (\$500), the University of Nevada at Las Vegas (\$500), and the French Embassy in the USA/Office of Science and Technology (\$500) provided support for the NUCL Celebration of the 100th Anniversary of Marie Curie's Nobel Prize in Chemistry Symposium at the 242nd American Chemical Society's National Meeting in Denver, Colorado in August 2011. The NUCL Division expenditures have been \$9,886.48 primarily for administrative and national meeting costs but the NUCL Division also provided two \$500 Charles D. Coryell Awards at the Denver meeting. The NUCL Division has provided support to the NORM and SWRM 2011 meetings (\$2,055.54) from Innovative Project Grant funding.

The NUCL Division's portion of the DOE/BES grant for the 2011 Nuclear and Radiochemistry Summer School was

\$112,704 of which \$105,000 has been received by the division. The reimbursements to the San Jose State University and the Brookhaven National Laboratory programs have been \$56,926 and \$28,614.55, respectively, to date.

Interest on the NUCL Division's savings account is \$55.65 for January – September 2011.

COUNCILORS ' REPORT. *Steve Yates and Dawn Shaughnessy*

Steve could not attend the 2011 Fall National Meeting in Denver. Dawn, the NUCL Alternate Councilor, represented the Division at the Council meeting and other activities in his absence. The following summary is provided by the Office of the Secretary and General Counsel on key actions and discussions of the ACS Council and Board of Directors at the Denver Meeting.

ACTIONS OF THE COUNCIL

Election Results

- The Committee on Nominations and Elections presented to the Council the following slate of candidates for membership on the Committee on Committees beginning in 2012: Matthew K. Chan, Richard S. Danchik, Rigoberto Hernandez, Roland F. Hirsch, James M. Landis, Jr., Helen (Bonnie) A. Lawlor, Zaida C. Morales-Martinez, Howard M. Peters, Sara J. Risch and Jason E. Ritchie. By electronic ballot, the Council elected Rigoberto Hernandez, Helen (Bonnie) A. Lawlor, Zaida C. Morales-Martinez, Howard M. Peters and Sara J. Risch for the 2012-2014 term.

- The Committee on Nominations and Elections presented to the Council the following slate of candidates for membership

on the Council Policy Committee beginning in 2012: Spiro D. Alexandratos, Lawrence Barton, Michael J. Brownfield, John W. Finley, Mark D. Frishberg, Peter C. Jurs, Mamie W. Moy, and Eleanor D. Siebert. By electronic ballot, the Council elected Lawrence Barton, Peter C. Jurs, Mamie W. Moy, and Eleanor D. Siebert for the 2012-2014 term.

- The Council Policy Committee presented to the Council the following slate of candidates for membership on the Committee on Nominations and Elections beginning in 2012: R. Gerald Bass, Cherlynlavaughn Bradley, William H. (Jack) Breazeale, Jr., Catherine C. Fenselau, Lydia E. M. Hines, Robert L. Lichter, Anne T. O'Brien, Robert A. Pribush, Andrea B. Twiss-Brooks, and Steven W. Yates. By electronic ballot, the Council elected William H. (Jack) Breazeale, Jr., Catherine C. Fenselau, Lydia E. M. Hines, Anne T. O'Brien, and Andrea B. Twiss-Brooks for the 2012-2014 term.

Candidates for President-Elect and Board of Directors

- The candidates for the fall 2011 ACS national election were announced as follows:

Candidates for President-Elect, 2012

Dr. Dennis Chamot, Associate Executive Director, Division of Engineering and Physical Sciences, National Research Council of the National Academy of Sciences, Washington, DC

Dr. Marinda Li Wu, Founder and President, Science is Fun!, Orinda, CA

Candidates for Directors-at-Large, 2012-2014

Dr. Ken B. Anderson, Professor of Geochemistry, Southern Illinois University at Carbondale, IL and CEO, Thermaquatica Inc., Carbondale, IL

Dr. William F. Carroll, Jr., Vice President, Industry Issues, Occidental Chemical Corporation, Dallas, TX

Dr. Charles E. Kolb, President/CEO Aerodyne Research, Inc. Billerica, MA

Dr. Barbara A. Sawrey, Associate Vice Chancellor, Undergraduate Education, University of California, San Diego, CA

Candidates for District III Director, 2012-2014

Dr. Pat N. Confalone, DuPont, Vice President, Global R&D, Crop Protection, Wilmington, DE

Dr. David J. Lohse, Retired, Distinguished Research Associate, ExxonMobil Research & Engineering Co., Annandale, NJ

Candidates for District VI Director, 2012-2014

Dr. Bonnie A. Charpentier, Vice President, Regulatory and Quality Metabolex, Inc., Oakland, CA

Dr. Carlos G. Gutierrez, Professor of Chemistry, California State University, Los Angeles, CA

Petitions

(For Action)

- The Council received one amendment (petition) to the ACS Constitution and Bylaws for action: The Petition on Position Statements. The Council VOTED to approve the Petition on Position Statements, which allows for clear and consistent position development for the Society. The petition assures that the Board of Directors has sole authority in issuing position statements that establish policy for the full Society; and that Society bodies other than the Board may issue statements on issues that fall solely in their jurisdiction so long as they do not impair other Society bodies' ability to do the same. The Board of Directors will vote within 90 days on whether to ratify the approved petition.

(For Consideration)

- The Council also received two amendments (petitions) to the ACS Constitution and Bylaws for consideration: Petition on Market Data Collection and Petition to Amend Recorded Vote Request Procedure. The Petition on Market Data Collection seeks to add a provision to allow for controlled market testing to collect data before the Society changes benefits, dues, or membership categories. The Petition to Amend Recorded Vote Request Procedure provides that a call for a recorded vote after clicker voting has commenced will be out of order, as would a call for a recorded vote after the initial clicker voting has taken place. Both the Petition on Market Data Collection and the Petition to Amend Recorded Vote Request Procedure will be on the Council agenda for action at the 2012 spring meeting.

Committee Review

- As part of a regular performance review, the Council VOTED to continue the joint Board-Council Committees on Community Activities and on Publications. Continuation of these two committees also requires Board of Directors concurrence.

Meeting Registration Report

- As of September 1, 2011, the ACS fall national meeting had attracted 10,076 registrants. Totals in select categories are as follows: Regular attendees 6,088; Students 2,376; Guests 218; Exhibit Only 394; and Exhibitors 1,000.

Membership Activity

- Despite the challenging economy and continued high unemployment, the Society's overall membership number remains stable at near 163,000. The number of new undergraduate Student Members is growing rapidly, and as of July 31 the total stands at

15,702. The committee is concentrating its efforts on retaining current members.

Special Discussion Item

- A special discussion item was put on the Council agenda for this meeting. ACS President Nancy Jackson presented and moderated a discussion on how ACS can best cultivate a culture of safety in US universities and colleges. At the 2011 ACS national meeting in Anaheim, the Committee on Chemical Safety launched an effort to identify ways to assist academia in strengthening and building strong safety cultures. Devastating incidents in academic laboratories and observations by many that graduates do not have strong safety skills have elevated concerns about the safety culture in academia. Following Dr. Jackson's presentation, Councilors engaged in robust discussion on this very timely topic, with numerous suggestions by 42 different Councilors.

Changes in Technical Divisions

- The Council VOTED to grant full division status to the previously probationary Division of Catalysis Science and Technology, and to approve the proposed bylaws of this division.

- After a lively discussion, the Council VOTED 53% - 47% to dissolve the Division of Petroleum Chemistry and to combine its assets and members with those of the Division of Fuel Chemistry under the new name of the Division of Energy and Fuels, effective December 31, 2011. The discussion centered largely around the name, rather than the merger.

Employment, Economic, and Professional Activities

ACS has created new programs to assist unemployed members and new resources for

all members, from students to seasoned professionals. The first ever fully integrated onsite and virtual career fair in Denver offered job seekers and virtual participants via webcam the opportunity to interact with each other and to connect with prospective employers and programs to sharpen their career skills. The number of employers was up from Anaheim.

The Presidential Task Force on Innovation and Job Creation released their report, entitled "Innovation, Chemistry & Jobs." The report contained four recommendations to stimulate innovation and job creation in the US chemical industry. The Committee on Economic and Professional Affairs (CEPA) and Corporation Associates co-sponsored a new program funding request to establish an entrepreneurial initiative, which would implement two of the four recommendations. First, it establishes an educational program to guide budding entrepreneurs through the creation of new chemical businesses. Second, it supports the formation of new chemical companies by providing access to the unparalleled informational resources of the Society, as well as other professional resources. The initiative was approved by the Board, and will be implemented early next year.

CEPA is also working with ACS President Nancy Jackson, members of the Board, and other committees on the "Paying It Forward" campaign. Dr. Jackson kicked off the campaign with her comment in the August 8 issue of C&EN, emphasizing the need for, and importance of members helping members. She asks each of the Society's more than 163,000 members to help unemployed members by taking specific action now. Dr. Jackson's comment will be followed by four other C&EN comments.

Because networking is especially important in a down economy, CEPA and ACS Career Services co-sponsored the largest networking

event in ACS history. The ACS Global Networking Reception allowed Denver attendees and others to attend a seminar entitled "Networking 101 – Making Your Contacts Count," and then practice networking with local sections, student chapters, international chapters, and individuals all over the world joined electronically.

In another exciting initiative, the Chemical Entrepreneurship Council (CEC) has assembled. The group consists of the Women Chemists Committee, the Committee on Science, the Division of Small Chemical Businesses, the Division of Business Development and Management, the National Collegiate Inventors and the Innovators Alliance. This self-organized working group is concerned with providing the resources and skills necessary for chemists to translate research into innovations which can become commercial products. The outputs for the CEC decided at the Denver meeting to include education and training, a roadmap to inventory resources, and outreach for member engagement.

Update on ACS vs. Leadscope Litigation

The Chair of the Board gave an update on the Leadscope case. She reported previously that ACS had appealed to the Ohio State Supreme Court and that the Court has agreed to hear the case. In written briefs filed in support of the Society's position (that the lower court rulings were both unfair and unconstitutional), ACS has been joined by several prestigious organizations. In April, the Leadscope defendants filed two motions seeking to dismiss the Society's appeal. In June, the Ohio Supreme Court denied their motions and has scheduled oral arguments for September 7 in Columbus, Ohio.

ACTIONS OF THE BOARD OF DIRECTORS

The Board's Committees and Working Groups

The Board of Directors received reports from its committees on Professional & Member Relations (P&MR), Grants and Awards (G&A), Planning, Executive Committee (EC), Executive Compensation, and Budget and Finance (B&F).

On the recommendation of the Committee on Professional & Member Relations, the Board VOTED to approve guidelines for weighing selection and engagement in human rights cases, wherever they occur.

On the recommendation of the Committee on Grants and Awards, the Board VOTED to approve nominations for the AAAS Scientific Freedom & Responsibility Award and the NSF Waterman Award.

The Planning Committee reviewed the components of the 2012 strategic plan and a possible change to the committee charter.

The Board's Executive Committee discussed an overlap in scheduling of the June 2012 Board of Directors meeting (May 31- June 3) and the Middle Atlantic Regional Meeting (MARM - May 31- June 2) to be held at the University of Maryland Baltimore County (UMBC) campus, which is approximately 20 minutes away from the Board hotel. The committee agreed that the Board should retain its meeting dates but attend as much of the MARM meeting as possible, including its banquet, social events, and possibly open session.

The Board received a briefing from its Committee on Executive Compensation. The compensation of the Society's executive staff receives regular review from the Board.

On the recommendation of the Committee on Budget and Finance (B&F), the Board VOTED to approve an advance member

registration fee of \$360 for national meetings held in 2012. The Board also considered several program funding requests, and on the recommendation of B&F VOTED to reauthorized funding for inclusion in the 2012 proposed budget for the following programs:

- ACS Fellows
- ACS Leadership
- ACS Scholars
- ACS Global Research Experiences, Exchanges, and Training Program (GREET)

The Board also VOTED, as recommended by B&F, to include funding in the 2012 and 2013 budget for a new program – the ACS Entrepreneurship Initiative.

B&F considered a proposal from the Council Policy Committee (CPC) regarding the Committee Travel Expense Reimbursement Policy approved by CPC in March 2011. The policy would allow reimbursement of travel costs to committee meetings held during the ACS national meetings for non-councilor committee members. After some discussion, the Board VOTED, as recommended by B&F, to adopt the non-councilor reimbursement policy as presented by CPC (at the rate of 50% of the Councilor travel reimbursement) effective 2012.

Financial Planning Conference Recommendations

The Board reviewed and VOTED to accept several recommendations from its Financial Planning Conference, held June 1-3, 2011. The purpose of this conference was to conduct a comprehensive assessment of the Society's current financial position; review the appropriateness and adequacy of the Society's current financial guidelines; and assess the Society's changing risk profile and the potential implications for major ACS funding sources over the next three years.

The Executive Director/CEO Report

The Executive Director/CEO and her direct reports updated the Board on the following: the status of recommendations from the Executive Director/CEO's report on "Challenges Facing ACS 2011-2015;" and the activities of CAS (Chemical Abstracts Service), the ACS Publications Division, and the Society's General Counsel. The General Counsel report included an update on the ACS vs. Leadscope litigation.

On the recommendation of the Committee on Publications, the Board VOTED to approve the reappointment of two journal editors and the appointment of a new editor. The Board also VOTED to approve an appointment to its Governing Board for Publishing.

Other Society Issues

The Board agreed to accept an invitation from the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) to meet with representatives of the ACS Board of Directors in 2012 to discuss further areas for collaboration. Members of the Board's Executive Committee and the chair of the Committee on Grants and Awards will be meeting with NOBCChE at a mutually agreed time and date in 2012.

International dignitaries representing the Canadian Society for Chemistry, the German Chemical Society, IUPAC and the Royal Society of Chemistry briefed the Board on their activities and plans to continue and sustain the momentum started during the International Year of Chemistry. The Board also received an update from the ACS President-Elect on his activities and priorities during his presidential year.

By consent, the Board VOTED to approve several actions since its June meeting, including: a resolution in memory of former Board member C. Gordon McCarty and a nomination for the 2012 Othmer Gold Medal.

The Board held a lively, well-attended open session which featured a special forum on what the ACS is doing, or can do, to assist members who are facing employment challenges in uncertain economic times. Members attending this standing-room only session received a brief overview of current and planned resources available to members who are facing employment challenges, followed by an open discussion on how the Society might offer greater assistance.

ELECTIONS

Ballots will be mailed soon.

Candidates for Vice-Chair Elect (Chair 2014)

Paul D. Benny, Washington State University (bennyp@wsu.edu), was educated at Missouri Baptist College of St. Louis, MO (BS, Chemistry & Mathematics, 1996) and the University of Missouri-Columbia (Ph.D., Radio/Inorganic Chemistry, 2001). He took a postdoctoral appointment at the University of Zurich, Switzerland (2002-2004). In 2004, he joined the faculty of Washington State University in the Chemistry Department as an Assistant Professor and has recently been promoted to the rank of Associate Professor (2010). He currently serves on the WSU Radiation Safety and WSU Nuclear safeguards committee. He has been involved in radiochemistry education in teaching and by serving as a teaching assistant and visiting lecturer in the DOE/ACS Nuclear and Radiochemistry at the Brookhaven and San Jose Sites, and the NNSA Nuclear forensics summer school. In the ACS, he has Co-organized 2 divisional symposia (Graduate student and Nuclear Medicine). Research interests: Diagnostic imaging, radiotherapy, radiometal complexation, radionuclide production, remediation of nuclear fuel reprocessing and nuclear waste.

Paul F. Mantica, Michigan State University (mantica@nscl.msu.edu), received his B.S. in Chemistry from Rensselaer Polytechnic Institute (1985) and Ph.D. in Nuclear Chemistry from the University of Maryland College Park (1990). He was in the U.S. DOE Postgraduate Research Training Program with Oak Ridge Associated Universities (1990-1993) and went on to be a Staff Scientist with the University Isotope Separator On-Line collaboration at Oak Ridge National Laboratory (1993-1995). In 1995, he joined the faculty in the Chemistry Department at Michigan State University, where he has held the title of Assistant Professor (1995-2001), Associate Professor (2001-2005), Professor (2005-2011) and University Distinguished Professor (2011-present). He holds a joint appointment at the National Superconducting Cyclotron Laboratory, where he presently serves as Associate Director for Operations (2009-present). He has served the ACS/NUCL division as Newsletter Editor (2002-2005) and National Director of the Nuclear and Radiochemistry Summer Schools (2007-present), and has co-organized 6 divisional symposia at ACS national meetings. He has also served the ACS/MSU Local Section as President (1999-2001) and Alternate Councilor (2003-2005). He is presently a member of the Advisory Committee for TRIUMF, the NSCL Program Advisory Committee, and the Canadian Foundation for Research review committee of the Canadian Light Source. Research interests include the study of electromagnetic moments and decay properties of rare isotopes. He was recently named a Fellow of the ACS, holds a membership in the American Physical Society, and is certified as a Project Management Professional by the Project Management Institute.

Candidates for Member-At-Large Executive Committee (2012 – 2014)

Suzanne E. Lapi, Washington University in St. Louis Lapi, Suzanne (lapis@mir.wustl.edu), received her Ph.D. in Chemistry from Simon Fraser University with co-supervisors Dr. Thomas Ruth and Dr. Paul Percival in 2007. During the course of her research, which addressed the issue of specific activity of ^{186}Re , she had the opportunity to work at TRIUMF from 2001-2007. Her multi-disciplinary research involved cell culture studies, radiochemistry and development of an ion source for rhenium oxide. She also obtained an M.Sc in radiochemistry with co-supervisors Dr. Thomas Ruth and Dr. John D'Auria for her work on developing an ^{15}O ion beam. In 2008 Suzanne worked as a post-doctoral scholar at University of California in San Francisco (UCSF) under the supervision of Dr. Henry VanBrocklin. While at UCSF she developed new compounds labeled with ^{18}F for cancer imaging applications. Suzanne is currently at Washington University in St. Louis as an assistant professor in the Department of Radiology. She oversees production of "non-standard" PET radionuclides and collaborates with internal and external faculty on other grants supported by NIH and DOE. She is a member of the American Chemistry Society (ACS), The American Nuclear Society (ANS), and a board member of the Radiopharmaceutical Sciences Council (RPSC) of the Society of Nuclear Medicine. She was co-organizer of a session on isotope production at the ANS annual meeting and is on the organizing committee for the upcoming 2012 Workshop on Targetry and Target Chemistry. She is an active member of the Working Group on Isotope Harvesting at FRIB. Her research interests are in production of novel radioisotopes and development of new PET imaging agents. More information about Suzanne can be found at www.lapilab.com.

D. Scott Wilbur, University of Washington (dswilbur@u.washington.edu), received a B.S. in Chemistry from Portland State University (Portland, OR) in 1974 and a Ph.D. in Organic Chemistry from the University of California, Irvine (Irvine, CA) in 1978. In 1978 he joined the Medical Radioisotope Research Group (INC-3) at the Los Alamos National Laboratory as a Staff Research Chemist. He conducted research at LANL until 1984 when he moved to Seattle to work at a Biotechnology company, NeoRx Corporation. At NeoRx he held the positions (in sequence) of Senior Scientist, Head of Organic Chemistry, Head of Radiochemistry and finally as Director of Radiopharmaceutical Chemistry. He left NeoRx to join the Department of Radiation Oncology at the University of Washington in 1990, and is currently Professor there. He has been a member of the American Chemical Society for 37 years. He is also a long-term member of the Society of Nuclear Medicine, American Association for Cancer Research and the Society of Radiopharmaceutical Sciences. He has been active in the Society of Nuclear Medicine, serving in many years as a reviewer of abstracts to the national meeting, and has served as Chairman or Subchairman of the Scientific Program Committee in the Radiopharmaceutical Sciences

Council. He has also served as Secretary-Treasurer (1990-1991), President-Elect (2000-2002), President (2002-2004) and Past-President (2004-2005) of the Radiopharmaceutical Sciences Council. As part of his duties in SNM he served as: a member of the House of Delegates (2002-2005); a member of the Committee on Councils (2002-2004); a member of the Task Group on the SNM Website (2001-2003); a member of the Task Force on a National Radionuclide Production Enhancement (2003-2004); and a member of the Committee on Radiopharmaceuticals (2003-2004). He has served on organizational committees for several national and international conferences, including symposia on Targeted / High LET Radiopharmaceuticals and Radiohalogens. His research interests include development of new chemistry for labeling biomolecules with radionuclides, particularly alpha-emitting radionuclides. He is an author on 137 published articles, inventor on 26 issued patents and presenter / coauthor on 195 abstracts/presentations.

Candidates for Councilor (2012 – 2014)

Graham F. Peaslee, Hope College (peaslee@hope.edu), obtained his undergraduate degree from Princeton University (AB, Chemistry, 1981) and his graduate degree from SUNY – Stony Brook (Ph.D., Chemical Physics, 1987). He took post-doctoral appointments at Lawrence Berkeley Laboratory (1988-1990) and the National Superconducting Cyclotron Laboratory (1990-1993). In 1993 he joined the Chemistry Department at Hope College in Holland, MI. He was promoted to Associate Professor in 2000, and promoted to full Professor in 2007. In 2011 he was named the Hartgerink Professor of Chemistry. In 2000-2001 he was a visiting scientist at the Center of Accelerator Mass Spectrometry at Lawrence Livermore National Laboratory, and in 2007-2008 he was a visiting scientist at the Counterterrorism and Forensic Science Research Unit in the Laboratory Division of the FBI. He is a member of both the APS DNP and the DNCT, and has served on the Coryell Award committee from 2003 to 2011. He is also serving currently on the NAS committee examining the Future of Nuclear and Radiochemistry in the US. His research interests include: Heavy ion reactions with radioactive nuclear beams, ion beam analysis and low-background gamma spectroscopy and environmental applications thereof, and most recently radioisotope harvesting from FRIB.

W. Udo Schroeder, University of Rochester (schroeder@chem.rochester.edu) Professor of Chemistry and Physics, received his prediploma (BS) from the University of Göttingen in 1963, his Diploma (MS) in Physics from the Free University of Berlin in 1967, and his Dr. rer. nat. (PhD) in Nuclear Physics from the Technical University of Darmstadt in 1971 with work done at the European nuclear research center CERN. He remained at TU Darmstadt as a Research Associate until 1975, when on a DAAD fellowship he joined the University of Rochester as a Research Associate. He held positions as Senior Research Associate, and then Professor part-time, in the Department of Chemistry and at the Nuclear Structure Research Laboratory until 1983, when he was appointed Associate Professor of Chemistry. He was promoted to Professor of Chemistry in 1987 and appointed a joint Professor of Physics in 2005. In 1989/1990 on a CEA fellowship he spent two research semesters at the French nuclear research center GANIL. He has organized and chaired several nuclear science symposia at the University of Rochester and, in 1989/1990, he co-chaired and chaired the Gordon Research Conference on Nuclear Chemistry in New London/NH. He was nominated and ran for the office of Chair of the DNCT in 2003. He has been active in nuclear science research and education and is presently building an advanced nuclear science education laboratory (ANSEL), the first at the University of Rochester. His group routinely hosts undergraduate and high school students in nuclear chemistry R&D summer research projects. Schroeder's research in the area of experimental nuclear science explores fundamental properties of nuclear matter, the dynamics of complex nuclear reactions induced by heavy ions or relativistic protons/antiprotons, experimental and theoretical studies of nuclear fragmentation into clusters, and processes involving the nuclear surface. In addition to his work at Rochester, his group has conducted experimental programs at LANL Los Alamos, LBL Berkeley, ANL Argonne, HMI Berlin, NSCL Lansing, GANIL Caen, GSI Darmstadt, FZ Jülich, CERN Geneva, LNS Catania. In collaboration with the University of Rochester Laboratory for Laser Energetics, he conducts radio-chemical research on the transport of tritium in materials and develops methods for tritium recycling and decontamination, an area of interest to the nuclear power industry. Schroeder has coauthored or edited books on dissipative heavy-ion reactions, nuclear fission and isospin effects in nuclear structure and reactions. He has published over 175 nuclear research articles and has written and lectured recently about energy issues facing the nation. Udo is member of the ACS, the APS, the AAP, and the AAUP. He was elected a Fellow of the American Physical Society in 1995.

Candidates for Alternate Councilor (2012 – 2014)

Dawn A. Shaughnessy, Lawrence Livermore National Laboratory (shaughnessy2@llnl.gov), was educated at the University of California, Berkeley (BS, Chemistry, 1993 and Ph.D., Nuclear Chemistry, 2000). She took a postdoctoral appointment at Lawrence Berkeley National Laboratory in 2000. In 2002, she joined the staff at LLNL, where her assignments have included Staff Radiochemist (2002-present); Principal Investigator for Heavy Element Research (2005-present); and Acting Program Element Leader for Stockpile Radiochemistry (2008). She has served on the Lawrence Berkeley National Laboratory Nuclear Science Education and Wall Chart Committee, 2003-2005; Local Organizing Committee, 2nd International Conference on the Chemistry and Physics of the Transactinides (TAN03), 2002-2003; Interlaboratory Working Group Meeting (ILWOG-39) 2004 Planning Committee, 2003-2004; NNSA Radiochemist Development Working Group, 2004; Interlaboratory Working Group Meeting (ILWOG-40) 2007 Planning Committee (Lead Organizer), 2006-2007; Interlaboratory Working Group Meeting (ILWOG-41) 2008 Planning Committee, 2007-present; LLNL Glenn T. Seaborg Institute (Science Deputy), 2008-present. In the ACS she has co-organized 2 divisional symposia. Research interests: nuclear and chemical properties of the actinide and trans-actinide elements, spontaneous and delayed fission properties, target preparation and radiochemical separation techniques, and the behavior of radioactive contaminants in the environment.

Jeff Terry, Illinois Institute of Technology (terryj@iit.edu), was educated at the University of Chicago (BS, Chemistry, 1990) and Stanford University (Ph.D., Chemical Physics, 1997). In 1996, he accepted a postdoctoral appointment in the Materials Science Department at Northwestern University. After leaving Northwestern, he became a postdoctoral fellow at Los Alamos National Laboratory (LANL) in 1997, then accepting a staff scientist position in the Nuclear Materials Technology Division in 1998. His time at LANL was split between the Stockpile Stewardship program, where he worked on plutonium alloys, and the Actinide Source Term Waste Test Project (STTP), the study of brine radiochemistry in support of the Waste Isolation Pilot Plant (WIPP). This work focused on the synchrotron radiation characterization of radioactive materials during his LANL employment. From 2000-2005, he worked for the Illinois Institute of Technology (IIT) as a Research Professor in Chemistry based at the Advanced Photon Source (Argonne IL). In 2005, he converted to a tenure-track position in the Physics Department where he is currently an Associate Professor and the Director of the Health Physics program. His research remains focused on synchrotron radiation characterization of radioactive materials, including environmental radiochemistry relevant to the WIPP and the study of reactor irradiated nuclear materials. He is currently the Chair of the Advanced Test Reactor Users Organization. He has served on numerous committees working to expand the study of radioactive materials at synchrotron radiation and neutron sources. In the ACS, he has worked as co-organizer of 2 divisional symposia. Research interests: electronic structure of actinides, environmental radiochemistry, synchrotron radiation, radiation damage, and nuclear reactor physics. He is also a member of the American Physical Society, American Nuclear Society, American Vacuum Society, American Nuclear Society, American Association of Physics Teachers, and is a Plenary Member of the Health Physics Society.