



Division of Nuclear Chemistry and Technology
American Chemical Society

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

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Program Chair, 2009

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Members-at-Large, Executive Committee

ALICE C. MIGNEREY, 2009-2011

DAVID MORISSEY, 2007-2009

NEWSLETTER

October 2009

Newsletter Editor: Lætitia Delmau

Email: dnct.newsletter@yahoo.com

Topics

- > FROM THE CHAIR
- > SPRING MEETING – SAN FRANCISCO
- > SUMMER SCHOOL
- > NUCL SPONSORSHIP
- > ELECTION OF OFFICERS FOR 2009
- > IPG GRANT
- > JOB OPENINGS
- > OBITUARIES
- > BOOK RELEASE
- > COUNCILOR'S REPORT
- > SYMPOSIA ANNOUNCEMENTS

FROM THE CHAIR – *Mark Stoyer*

What's in a name? Welcome to NUCL.

The American Chemical Society recognizes technical divisions by four-letter abbreviations, e.g., ANYL, BIOL, CHED, I&EC, INOR, ORGN, and PHYS. To the ACS, the Division of Nuclear Chemistry and Technology is NUCL, and they are consistent in always using this abbreviation. They do not recognize DNCT, the acronym we seem to use much of the time, although both NUCL and DNCT can be found on our website and elsewhere. In an effort to bring usage into agreement, the Executive Committee of the Division recommends that we use NUCL as an abbreviation for our Division.

Please note: This Newsletter is being released two weeks before its regular publication time due to the deadlines for abstract submission for the 2010 Spring Meeting. Abstracts must be submitted by October 19, 2009. Also, the abstract submission system is new this year and may require some

extra time, as it is now required that you create a login and password with the ACS.

Nuclear Chemistry Summer Schools:

A search for a new National Director of the Summer Schools will begin in early 2010. The term of Paul Mantica, the present National Director, will expire in January 2012. We would like to have a new Director in place around the time of the Spring 2010 ACS meeting in San Francisco in order to overlap substantially with the end of Paul's tenure.

The new Director will have primary responsibility for submission of the grant paperwork for renewal of the contract for operation of the Summer Schools and will be involved in the evaluation of additional summer school sites. The NUCL Executive Committee decided in Washington, DC that the first order of business was selecting a new National Director, the second order of business was ensuring the health of the existing Summer Schools and succession planning for those sites since there are some possible retirements coming up, and third order of business was addressing a possible third site for the summer school. Please send all suggestions and ideas on National Directors to the Executive Committee (the friendly folks listed on the left side of front page) and to Mark Stoyer (Chair 2009) and Silvia Jurisson (Chair 2010).

SPRING ACS MEETING SAN FRANCISCO

Silvia Jurisson

Below is the program for the Spring ACS meeting in San Francisco, March 21-25, 2010

(1) Lanthanides and Actinides. Organizers Lynn Francesconi and Cathy Cutler (lfrances@hunter.cuny.edu; cutlerc@missouri.edu)

(2) The Seaborg Award Symposium in honor of Lee Sobotka of Washington University

Organizer: Demetrios Sarantites
(dgs@wustl.edu)

(3) Analytical Chemistry in Nuclear Technology. Organizers: David Hobart, David Hobbs, Chuck Coleman, and Herman Cho (david.hobbs@srnl.doe.gov; dhobart@lanl.gov; charles02.coleman@srnl.doe.gov; hm.cho@pnl.gov)

(4) The Nuclear Fuel Cycle, in Memory of Dr. Charles Madic. Organizers: Lætitia Delmau (Oak Ridge National Laboratory, delmaulh@ornl.gov) and Patricia Paviet-Hartmann (University of Nevada – Las Vegas, Patricia.Paviet-Hartmann@unlv.edu)

Fall ACS meeting in Boston, MA

(1) Graduate Student Symposium in Nuclear Chemistry; organizers Paul Benny and J. David Robertson

(2) Applications of Radionuclides in Molecular Imaging and Therapy; organizers Alan Packard and Timothy Hoffman

(3) New Directions in Isotope Production and Radiochemistry; organizers Prem Srivastava, Craig Williamson and John Pantaleo

(4) Radiochemistry at FRIB; organizers Paul Mantica, Brad Sherrill and Mark Stoyer

(5) Aqueous Chemistry and Thermodynamics of Actinides and Fission Products - A Tribute to Volker Neck; organizers Heino Nitsche, David Clark, Sue Clark, Horst Geckeis and Thomas Fanghanenel

As always we continue to look for programming suggestions for future meetings. Feel free to contact Mike Bronikowski with your ideas for 2011! Also, 2011 is the International Year of Chemistry. Several "Marie Curie" events are planned in coordination with this year

2011 International Chemistry Year

Mike Bronikowski

Spring and fall symposia are beginning to be set up. If you have a symposium idea or you would like to organize a symposium, contact Michael Bronikowski. Here is what we have so far:

The 2011 Spring program has the theme "Chemistry of Natural Resources"
Anaheim, CA March 27-31, 2011

Women of Nuclear Chemistry: In recognition of the 100th anniversary of Marie Curie's Nobel prize in Chemistry. Dawn Shaughnessy, LLNL P.O. Box 808, L-236 Livermore CA 94551, Phone: (925) 422-9574, shaughnessy2@llnl.gov, Darleane Hoffman, Professor of the Graduate School, University of California Berkeley, LBL 70-319, (510) 486-4474 hoffman@lbl.gov

Chemistry of Nuclear Fuels in Energy Production Co-sponsored with the Fuel Division, contact Velu Subramani, BP Products North America, Inc., Refining and Logistics Technology, 150 West Warrenville Road, Bldg: 701, Naperville, IL 60563, Phone: (640) 420-5583, velu.subramani@bp.com --- Need NUCL organizer

Seaborg Award Symposium –Topic to be announced

The 2011 Fall program has the theme "Chemistry of Air, Space, and Water"
Denver, CO August 28-Sept. 1, 2011

Graduate Chemistry Symposium Need organizer

Possibly: Nuclear Chemistry in Space

SUMMER SCHOOL

From Paul Mantica:

The 2009 ACS/DOE Nuclear and Radiochemistry Summer School program came to a close at the end of July. A total of 24 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.

2009 Outstanding Students:

Thomas Allen (University of North Carolina) and Lindsey Gilman (Valparaiso University) were selected as the 2009 Outstanding Students of the ACS Nuclear and Radiochemistry Summer Schools. Lindsey attended the SJSU school, while Thomas was located at BNL. Both will be invited to attend the ACS National Meeting in San Francisco next spring.

2010 Nuclear and Radiochemistry Summer School:

The tentative dates of the 2010 Summer School will be Sunday, June 13 - Saturday, July 23. On-line application forms will be available by November 1 on the Summer School website:

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

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.

Any questions regarding the Summer School program should be directed to:

Paul Mantica
National Director, ACS Nuclear and Radiochemistry Summer Schools
Michigan State University
East Lansing, MI 48824
Phone 517-333-6456 FAX 517-353-5967
email mantica@msu.edu

ELECTION OF OFFICERS FOR 2009

The election ballots for Division officers to be elected for 2010 should go out the week of October 5. ***It is important that all ballots be returned by November 9, 2009.*** The listing of candidate biographies and on the ballot was determined by alphabetical order. An independent teller will receive the ballots and report the outcome to the Division Secretary. Thank you for your participation in this important Division activity.

Candidates for Vice-Chair Elect (Chair 2012)

Ken Nash, (knash@wsu.edu) Professor of Chemistry, Washington State University, was educated at the Lewis University, Romeoville, Illinois (BA, Chemistry, 1972) and Florida State University (M.S. Inorganic Chemistry, 1975, Ph.D., Inorganic Chemistry, 1978). He was a Postdoctoral Associate at Argonne National Laboratory between 1979 and 1981. In 1981, he joined the staff of the Water Resources Division of the U.S. Geological Survey, Western Region, as a Research Chemist, where he worked on actinide environmental science supporting the qualification of various proposed sites for a high level radioactive waste repository. In 1986 he returned to the Chemistry Division at Argonne, joining the Chemical Separations Group. In 1992 he became Group Leader for the Heavy Elements Coordination Group, later assuming responsibility for the Chemical Separations Group as well. In 2003 he joined the faculty in the Chemistry Department at Washington State University, where he is a Full Professor supervising the research activities of about 15 graduate students and Postdocs. He is the 2003 recipient of the Glenn T. Seaborg Award for Actinide Separations, awarded by the Actinide Separations Conference. He was recognized as Distinguished Faculty in the College of Science at WSU in 2009 and a visiting Scholar at the Japan Atomic Energy Research Institute in 2001. He is author of more than 100 open literature publications on actinide and lanthanide solution chemistry and separation science, Co-editor in Chief of the journal *Solvent Extraction & Ion Exchange*, an Associate Editor of *Radiochimica Acta*, and co-editor of three symposium proceedings books. He has served on a number of review panels and editorial/advisory boards for the National Labs and DOE. Within the ACS he has served as Chair, and Secretary/Treasurer of the Separation Science and Technology Subdivision of the I&EC Division, 3 years as Program Chair and for the past 8 years as a Councilor for I&EC. He has been a member of the NUCL since 1978 and a co-organizer of numerous divisional symposia during the past 30 years. Research interests: the thermodynamics and kinetics of metal complexation and oxidation-reduction reactions in solutions (emphasizing the f-elements), basic separation science and its applications in advanced nuclear fuel cycles, in the design, synthesis, and characterization of new chelating agents and demonstration of their utility and helping to educate the next generation of radiochemists. He is also a member of the American Nuclear Society, American Association for the Advancement of Science, and Sigma Xi.

W. Udo Schroeder, (schroeder@chem.rochester.edu) Professor of Chemistry and Physics, University of Rochester, 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 NUCL 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 Member-at-Large Executive Committee (2010– 2012)

DAVE MORRISSEY: (morrissey@nscl.msu.edu) Professor of Chemistry, Michigan State University, b. 1953. B.S. with distinction, Chemistry, Pennsylvania State University; Ph.D., Nuclear Chemistry, University of California, Berkeley, 1978; Research Fellow, Lawrence Berkeley Laboratory, 1978-81; Assistant/Associate /Professor of Chemistry and National Superconducting Cyclotron Laboratory, 1981-present; Guest Scientist, Gesellschaft fuer Schwerionenforschung, Darmstadt, Germany, 1987-88; Associate Director for Nuclear Science, NSCL, 1995-9; Distinguished Faculty, College of Natural Science, MSU, 1997,8; University Distinguished Professor, 2005; Member: ACS, APS, Sigma Xi, Phi Lambda Upsilon; Chair of Division of Nuclear Chemistry & Technology, 2004; Organized NUCL symposia, APS-Division of Nuclear Physics workshops and Fall/2002 meeting, international topical workshops and conferences; Research interests: production and study of nuclei at the limits of stability, mechanism and application of projectile fragmentation, beta-delayed neutron TOF spectroscopy; Publications: 149 refereed articles, 83 conference proceedings, 84 invited talks and seminars.

WILLIAM WALTERS: (wwalters@umd.edu) Professor of Chemistry, University of Maryland, Associate in Science, 1957, Highland College, B. S. in Chemistry , 1960, Kansas State University, Ph. D., 1964, University of Illinois. Research Associate, Massachusetts Institute of Technology, 1964 – 1965, Assistant Professor, Massachusetts Institute of Technology, 1965-1970, Associate Professor, University of Maryland, 1970-77, Professor, University of Maryland, 1977- pres. Visiting Professor of Physics, University of Leuven, Leuven, Belgium, 1978 & 2008, Clarendon Laboratory and St. Edmund Hall, Oxford University, Oxford, U. K. 1986-1987, Visitor, School of Physics, University of Melbourne, Australia Spring 1990, Visitor, CERN/ISOLDE, Geneva, Switzerland Summer 1990, Institute for Kernchemie, University of Mainz, Mainz, Germany 2002, 2006. Research Interests: Nuclear Chemistry, Nuclear Structure, Radioactive Decay (including proton decay), Explosive Nucleosynthesis (r-process and rp-process), Nuclear Moments, Exotic Nuclei, Trace-Element Analysis. Professional Societies: American Chemical Society; Division of Nuclear Chemistry and Technology, Chairman, 1986, American Physical Society, European Physical Society. Recognitions and Honors: University of Maryland General Research Board, Semester Awards 1982, 1990, 1997, Guggenheim Fellow, Oxford University 1986-1987, UMCP Sigma Xi Award for Research 1998, ACS Award in Nuclear Chemistry 2001, Alexander von Humboldt Fellowship/Mainz 2002/2006

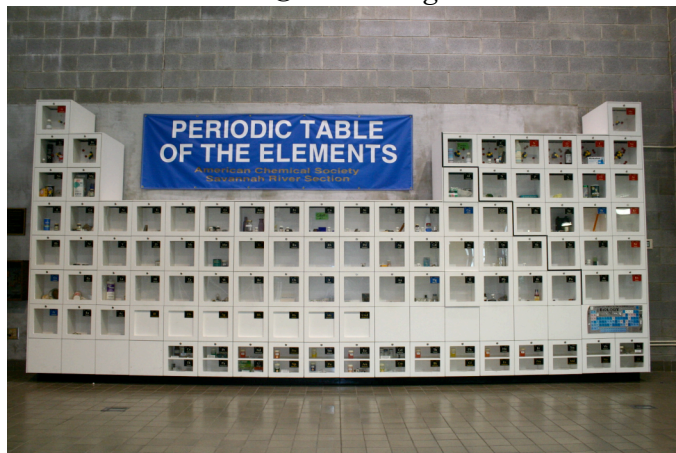
NUCL SPONSORSHIP

The Division is contributing monetary support to a session on "Nuclear Chemistry and Repository Science" being organized by Don Reed and Jean-Francois Lucchini (LANL - Carlsbad) for the 2009 ACS Southwest Regional Meeting in El Paso, TX on November 4-7, 2009. For more information on that session please contact Don at dreed@lanl.gov or lucchini@lanl.gov for general meeting information the web site is www.swrm.info.

IPG GRANT

Our Division has won a 2009 Innovative Project Grant for Divisional Enhancement on a joint proposal with the Savannah River Local Section entitled "Revitalization of the Living Periodic Table of Elements". As a member of both the section and the division I wanted to explain why the local section wanted to pair with the Nuclear division to update the periodic table the local section built in 1994. This is no ordinary periodic table. It covers a full wall at the Ruth Patrick science center. Each element has a labeled drawer with a 1 ft² glass window to see the objects pertaining to that element. The actinides and transactinides are at the ground level. Sadly, after the fiesta ware in the U box there isn't much to look at. The nuclear division could easily remedy this. A letter from Dubna or Berkeley saying we're working on element X, a planchette that was used for atom at a time chemistry, a copy of the discovery paper with signatures, even a page saying "¹⁰⁶Sg exists! I worked with it." signed by anyone who has worked with it would be better than over 50,000 students a year passing empty boxes. I would also like to pass along the appreciation of both the local section chair, Elise Fox, and the chair-elect, Glenn Fugate, to the Division for agreeing to sponsor this project and educational outreach in the central Savannah River area. For more information, you can

check the local section page on the ACS web page or contact Glenn Fugate 803-725-1590 glenn.fugate@srnl.doe.gov or Elise Fox (803)-725-3240 elise.fox@srnl.doe.gov.



JOB OPENINGS

Faculty Position: Hope College
Postdoctoral position: Washington University - St Louis:
For more information, details are available on the web page
<http://spinner.cofc.edu/~nuclear/?referrer=webcluster&>

OBITUARIES

Passing of Gerhart Friedlander
Gerhart Friedlander, a pioneer in nuclear chemistry who worked on the Manhattan Project and later chaired the Chemistry Department at Brookhaven National Laboratory, died Sunday. He was 93. Further details can be found at <http://www.newsday.com/long-island/obituaries/g-friedlander-pioneer-in-nuclear-chemistry-dies-at-93-1.1426950>

BOOK RELEASE

John R. Huizenga Research Memoir Published

The Chemistry Department of the University of Rochester is pleased to announce that John Huizenga's research memoir entitled "Five Decades of Research in Nuclear Science" was published by the Meliora Press in September 2009.

<http://www.chem.rochester.edu/news/news.php?refer=home&id=62>

COUNCILOR'S REPORT

From Steve Yates

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 2009 fall national meeting in Washington, DC.

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 2010: G. Bryan Balazs, Dawn A. Brooks, Victoria L. Finkenstadt, Wayne E. Jones, Jr., John M. Long, Les W. McQuire, Ingrid Montes, Douglas J. Raber, Frankie K. Wood-Black, and Steven W. Yates. By electronic ballot, the Council elected G. Bryan Balazs, Dawn A. Brooks, Les W. McQuire, Ingrid Montes, and Frankie K. Wood-Black for the 2010-2012 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 2010: R. Gerald Bass, Alan B. Cooper, M. Elizabeth Derrick, Thomas R. Gilbert, Lydia E. M. Hines, Willem R. Leenstra, Sally B. Peters, and Carolyn Ribes. By electronic ballot, the Council elected M. Elizabeth Derrick, Thomas R. Gilbert, Willem R.

Leenstra, and Carolyn Ribes for the 2010-2012 term.

- The Council Policy Committee presented to the Council the following slate of candidates for membership on the Committee on Nominations and Elections: Roger F. Bartholomew, Dwight W. Chasar, Milagros Delgado, Kevin J. Edgar, John W. Finley, Martin L. Gorbaty, Sharon P. Shoemaker, Walter O. Siegl, Herbert B. Silber, and Ellen B. Stechel. By electronic ballot, the Council elected Dwight W. Chasar, Milagros Delgado, Kevin J. Edgar, Sharon P. Shoemaker, and Ellen B. Stechel for the 2010-2012 term.

Candidates for President-Elect and Board of Directors

- The candidates for the fall 2009 ACS national election were announced as follows:

President-Elect 2010

Nancy B. Jackson, International Chemical Threat Reduction Department Manager, Sandia National Laboratories, Albuquerque, NM

Cheryl A. Martin, Currently on sabbatical; former Corporate Vice President and

General Manager, Rohm and Haas Company, Philadelphia, PA

Mary Virginia Orna, Professor of Chemistry, College of New Rochelle,

New Rochelle, NY

Directors-at-Large - 2010-2012

Dennis Chamot, Associate Executive Director, Division of Engineering and Physical

Sciences, National Research Council, Washington, DC

H. N. Cheng, Research Chemist, US Department of Agriculture, New Orleans, LA

Ray A. Dickie, Retired, Ford Motor Company, Efland, NC

Valerie J. Kuck, Retired, Lucent Technologies, Montclair, NJ

Howard M. Peters, Retired, Verny, LLP, Palo Alto, CA

Director, District I - 2010-2012

D. Richard Cobb, Senior Research Associate,
Eastman Kodak Company,
Rochester, NY

Neil D. Jespersen, Professor of Chemistry, St.
Johns University, Jamaica, NY

Director, District V - 2010-2012

Judith L. Benham, Retired, 3M Company,
St. Paul, MN

Peter K. Dorhout, Vice Provost, Colorado
State University, Fort Collins, CO

Petitions

(For Action)

- The Council received two amendments to the ACS Constitution and Bylaws for action: The Petition on Candidate Selection by Member Petition – (to be considered for Urgent Action) and the Petition on Election Timelines and Procedures 2009.

- o The Petition on Candidate Selection by Member Petition proposes to permit candidates to be selected by a petition process from members. To be considered for urgent action, the petition required a three-fourths affirmative vote. After considerable discussion, a vote to consider the petition at the 2009 fall meeting FAILED. Absent urgent action, the Petition on Candidate Selection by Member Petition will now be up for action at the 2010 spring meeting of the Council.

- o Next, the Council discussed in great detail the Petition on Election Timelines and Procedures 2009. This petition proposes to shorten certain election timelines and change petition candidates (who go straight on the ballot if they obtain enough signatures) to petition nominees (who need to be screened by Council along with other nominees chosen by the Committee on Nominations and Elections). After rejecting a request to have a recorded vote, the Council VOTED to

recommit the petition to the Committee on Nominations and Elections with instructions. Following this action, N&E sought input through a nonbinding survey to help guide their revisions. A revised petition will likely be up for action at the 2010 spring Council meeting.

(For Consideration)

- The Council received one petition for consideration: the Petition on Admissions Committee. This petition removes the Admissions Committee from the Bylaws and transfers its functions to the Council Committee on Membership Affairs. Action is expected on the petition at the 2010 spring meeting.

Committee Review

- As part of a regular performance review, the Council VOTED to continue the Committees on Chemical Safety, Minority Affairs, Chemical Abstracts Service, Technician Affairs, and Analytical Reagents. Continuing the first three committees requires Board of Directors concurrence.

Registration Report and 2010 National Meeting Registration Fee

- As of August 19, 2009, the ACS fall national meeting had attracted 14,319 registrants. This was the largest Washington meeting in history. Totals in select categories are as follows: Regular attendees 8,575; Students 3,159; Guests 462; Exhibit Only 676; and Exhibitors 1,447. In keeping with the objective of the National Meeting Long Range Financial Plan, previously approved by the Board of Directors and Council, the Meetings and Expositions Committee recommended to the Board an increase of \$10 for the 2010 national meeting registration fee. The Board will act on this recommendation shortly.

Membership Activity

- The provisions of the Petition on Membership Categories and Requirements were fully implemented this past June with the transfer of former Student Affiliates to Student Member status, and Associate Members to regular Member status. As of July 31, the Society had 9,732 Student Members – 6,500 of them former Student Affiliates and more than 3,000 of them new Student Members.

Dissolution of the Division of Chemical Technicians

- At the 2009 spring Council meeting, the Divisional Activities Committee (DAC) reported that it had voted to accept a recommendation from the Division of Chemical Technicians (TECH) that the division disband and to recommend this action to Council in the fall. On recommendation of DAC, as recommended by TECH, the Council VOTED to disband the Division of Chemical Technicians effective December 31, 2009. DAC agreed that TECH has accomplished its mission of enhancing the status of technicians in the American Chemical Society, and now they are integrated into the other technical divisions.

Changes to Charter Bylaws for New Local Sections and International Chemical Sciences Chapters and Bylaws for Divisions in Probationary Status

- The Council VOTED to accept changes to charter bylaws for new local sections and international chemical sciences chapters, and bylaws for divisions in probationary status. These changes, which were developed in cooperation with the Committees on Divisional Activities, Local Section Activities, and International Activities, are a result of changes to the Constitution and Bylaws made as a result of the Petition on Membership Categories and Requirements, which became effective on June 30.

ACTIONS OF THE BOARD OF DIRECTORS

Board Committees and Task Force Actions

- The Board of Directors VOTED to approve nominees for the 2010 Perkin Medal and the Alan T. Waterman Award. The Perkin Medal, awarded by the American section of the Society of Chemical Industry to a scientist residing in the US, recognizes innovation in applied chemistry resulting in outstanding commercial development. The Alan T. Waterman Award, presented by the National Science Foundation, recognizes an outstanding young researcher in any field of science or engineering.
- The Committee on Public Affairs and Public Relations announced the designation of “Dip-and-read Tests for Blood and Urine Glucose” (work of Al and Helen Free) as a National Historic Chemical Landmark. The committee also reported on its approval of a new healthcare policy statement, received from the Committee on Economic and Professional Affairs.
- The Board VOTED to approve an action recommended by the Committee on Professional & Member Relations to accept with minor revisions the key terms contained in a draft Memorandum of Understanding (MOU) between ACS and the Royal Society of Chemistry. The MOU: a) offers an opportunity for the ACS and RSC to develop and distribute a “primer,” both in hard-copy and electronic format, to provide the wider population with a basic understanding of the chemistry underlying issues related to sustainability; b) provides a series of joint seminars in the UK, US and elsewhere with participation by scientists, media and decision-makers to focus on sustainability; and c) supports collaboration on activities that train scientists to address issues relating to sustainability and other global challenges in non-technical, readily understandable communications.

- On the recommendation of the Committee on Budget and Finance, the Board VOTED to fund a new program (Science Coaches) and to reauthorize an existing program (ACS Green Chemistry Institute ®) in the 2010 budget.

- The Board of Directors received a report from the Board–Presidential Task Force on Education. This task force is charged with 1) reviewing recommendations contained in national STEM (Science, Technology, Engineering, and Mathematics) education reports released during the past five years; 2) identifying specific actions that the Society could undertake in response to these recommendations; and 3) creating a priority list of actionable items where the Society can have a unique impact on STEM education. The new Science Coaches initiative was one of the task force’s recommendations.

The Society’s Finances

- In view of the ongoing global recession and its impact of the Society’s finances, the Board received an update on the Society’s current financial position and the projected financial performance for 2009. The Society is projected to end the year with a net contribution from operations of \$11.2 million, or \$528,000 favorable to the 2009 approved budget. The favorable projection is largely the result of Contingency Plan actions and expense management initiatives implemented in early 2009, which are expected to fully offset revenue shortfalls in the Approved Budget across several categories.

Strategic Issues

- At its retreat held earlier this year, the Board developed a “dashboard,” i.e. a list of possible Key Performance Indicators (KPIs) related to ACS strategic progress. At this meeting, a Board task force presented a draft dashboard for review. The Board agreed to

continue this discussion at its December meeting.

The Executive Director/CEO Report

- The Executive Director/CEO, along with several of her direct reports, updated the Board on the activities of the Publications Division, Chemical Abstracts Service, and the Society’s General Counsel (including the Leadscope litigation). As a part of the Publications report, the Board VOTED to approve the re-appointment of three journal editors.

Compensation of Society Executive Staff

- The Board received a report from its Committee on Executive Compensation and voted to approve several actions relative to compensation for the Society’s Executive staff. The compensation of the Society’s executive staff receives regular review from the Board.

Other Society Issues

- The Board received a briefing from its Chair on her recent meeting with International Union of Pure and Applied Chemistry (IUPAC) leaders and plans for the International Year of Chemistry-2011 (IYOC-2011). The Board also was briefed by International leaders from the European Association for Chemical and Molecular Sciences (EuCheMS), the German Chemical Society, the Korean Chemical Society, the Mexican Chemical Society, the Royal Society of Chemistry, and the Serbian Chemical Society on their strategic directions and on their plans for IYOC-2011.

- With the creation of the ACS Leadership Development System, the Society is now better positioned to create the skilled leadership needed to advance as the world’s largest scientific society and to achieve its mission. In recognition of this achievement,

the Board awarded plaques to its Oversight Group on Leadership Development for outstanding work on this major initiative.

- The Board received a briefing on a new program to equip ACS members to be more effective spokespersons for chemistry. It is called the Chemistry Ambassadors program, and information may be found at www.acs.org/chemistryambassadors.

Steve continues his service on the ACS Committee on Divisional Activities (DAC), and Elliot continues to perform conscientiously his duties as Division Councilor Emeritus.

Separation for application to the nuclear fuel cycle, Symposium in Memory of Dr. Charles Madic

**239th American Chemical Society National Meeting
San Francisco, CA March 21-25, 2010**

A symposium entitled “Separation for application to the nuclear fuel cycle, in Memory of Dr. Charles Madic” is going to be held at the 239th American Chemical Society National Meeting in San Francisco, CA March 21-25, 2010. As more countries consider nuclear power, it is important that key topics such as R&D on future fuel cycles, waste management and integrated science repository being presented and discussed for a sustainable development of nuclear energy.

One of the major objectives of this symposium is not only to bring nuclear scientists but also to promote networking between countries, institutions, graduate students and potential next generation leaders. To raise awareness of activities and capabilities within the international actinides/radionuclides science community, this symposium will cover research topics that encompass nuclear fuel fabrication, nuclear fuel treatment and reprocessing as well as a comprehensive understanding of processes governing the behavior of nuclear wastes in storage and final disposal. Researchers and engineers involved in advanced research in actinide sciences for further development of a dynamic, competitive and sustainable knowledge-based nuclear industry are encouraged to attend.

Organized by: Laetitia Delmau, Oak Ridge National Laboratory, delmaulh@ornl.gov
Patricia Paviet-Hartmann, University Nevada Las Vegas, patricia.paviet-hartmann@unlv.edu

Please submit your abstract using the ACS Program and Abstract Creation System (PACS) at <http://abstracts.acs.org>. In the meantime, please feel free to contact any one of the organizers if you have questions.

CALL FOR ABSTRACTS

Symposium on

Analytical Chemistry in Nuclear Technology

American Chemical Society National Meeting- Spring 2010

March 21-25, 2010

San Francisco, CA

Nature of the Symposium

The symposium *Analytical Chemistry in Nuclear Technology* is held under the auspices of the Division of Nuclear Chemistry & Technology and is co-sponsored by the Environmental Molecular Sciences Laboratory of the Pacific Northwest National Laboratory. The symposium is intended to provide focused sessions on several analytical technologies related to radiological and other extreme and challenging environments. Previous symposia have drawn a diverse mix of papers from national laboratories, academic institutions, and commercial organizations from the U.S. and abroad. Papers consisting of 25-minute oral presentations on research, development, process control, and/or interesting applications are solicited in all aspects of analytical chemistry related to the focused session topics indicated below.

Deadline for Abstracts

150-word abstracts describing the presentation are due **October 19, 2009**. Please consult the ACS web page [ACS.org/Meetings/Spring 2010](http://ACS.org/Meetings/Spring2010) for instructions on submitting abstracts electronically via the web. The Symposium is listed within the technical program of the Division of Nuclear Chemistry and Technology.

Organizers

C.J. Coleman, Savannah River National Laboratory, Charles02.Coleman@srnl.doe.gov, (803) 725-1160

D.T. Hobbs, Savannah River National Laboratory, David.Hobbs@srnl.doe.gov, (803) 725-2838

D.E. Hobart, Los Alamos National Laboratory, dhobart@lanl.gov, (505) 667-0205

H.M. Cho, Pacific Northwest National Laboratory, hm.cho@pnl.gov, (509) 372-6046

Invited Plenary Lecture

Design of Actinide-Specific Sequestering Agents and the Legacy of Pat Durbin

Professor Kenneth N. Raymond, University of California, Berkeley

Focused Sessions

- **Advances in Magnetic Resonance Techniques** -Organizer: Herman Cho, hm.cho@pnl.gov, (509) 372-6046, Pacific Northwest National Laboratory.
- **Developments in Radiochemistry and Nuclear Counting Techniques**- Co-organizers: Ralf Sudowe, ralf.sudowe@unlv.edu, (702) 895-5964, University of Nevada, Las Vegas; Stephen Lamont, lamont@lanl.gov, (505) 667-1008; Dom Peterson, dominicp@lanl.gov, (505) 665-3320, Los Alamos National Laboratory; Steven Serkiz, steven.serkiz@srnl.doe.gov, (803)725-5422, Savannah River National Laboratory.
- **Developments in Mass Spectrometry**- Co-organizers: Gary Groenewold, Gary.Groenewold@inl.gov, (208) 526-2803; Marsha Lambregts, Marsha.Lambregts@inl.gov, (208) 533-7051; Jeffrey Giglio, Jeffrey.Giglio@inl.gov, (208) 533-7801, Idaho National Laboratory; Jake Venzie, Jacob.Venzie@srnl.doe.gov, (803)725-4463, Savannah River National Laboratory.
- **Innovative Techniques and Analytical Applications in Material Science, Separation Science, and Nuclear Material Processing**- Organizer: Aruna Arakali, avarakal@bechtel.com, (509) 371-5297, Hanford Tank Waste Treatment and Immobilization Plant; Sam Bryan, sam.bryan@pnl.gov, (509) 376-6949, Pacific Northwest National Laboratory.

Sixteenth Symposium on Separation Science and Technology for Energy Applications

Park Vista Hotel Gatlinburg, Tennessee October 18-22, 2009



CALL FOR ABSTRACTS

Sixteenth Symposium on Separation Science and Technology for Energy Applications

You are invited to participate in the 16th Symposium on Separation Science and Technology for Energy Applications.

The symposium is October 18-22, 2009, at The Park Vista Resort Hotel in Gatlinburg, Tennessee. The hotel's location, on the edge of the Great Smoky Mountains National Park, allows participants to experience the beauty of the colorful fall foliage in the park, both from hotel rooms and during hikes, drives, or bike rides through the mountains. You are welcome to come early and stay late, as the weather and the views are spectacular during October.

The topical focus of the symposium is on separations key to the development of sustainable energy systems and energy-efficient processes. Presentations (either oral or poster session) are encouraged in a wide range of fundamental and applied separations topics, including:

- Adsorption and Ion Exchange
- Novel Separation Methods
- Nuclear Fuel Cycle Separations
- Membrane Separations
- Solvent Extraction
- Department of Energy Applications

Of particular interest are papers that illustrate new ideas, describe novel applications, identify newly-recognized needs, and generate lively scientific/technical discussions on separations science and technology.

You are invited to submit a 200- to 250-word abstract through the online submittal form on the symposium website at <http://sst.ornl.gov> BEFORE JULY 15, 2009. Authors of all papers presented at the symposium are invited to submit full-length manuscripts describing their work in the proceedings volume, which is published in *Separation Science and Technology*. **A discounted registration fee is available for students.** See website for details.

New this year!
Student Poster Session with award

Oral sessions are conducted without concurrent sessions to facilitate cross-discipline discussion among participants. The single-evening poster session, which offers refreshments and is structured less formally than oral sessions, is a featured event at this meeting and typically attracts full participation from attendees. The poster session is a particularly effective way to present recent developments and fosters in-depth discussions on complex studies. Papers in poster and oral sessions receive equal consideration for inclusion in the special proceedings issue.

Please share announcement with associates and friends. Regularly visit <http://sst.ornl.gov> for updates in information. If you have questions, email sstconf@ornl.gov or contact one of us. We look forward to seeing you in October.

David DePaoli, General Chairman
(865) 574-6817
depaolidw@ornl.gov

Kenneth Nash, Co-Chairman
(509) 335-2654
knash@wsu.edu

