



Division of Nuclear Chemistry and Technology
American Chemical Society

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NEWSLETTER

April 2014

Newsletter Editor: Lætitia Delmau

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Topics

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FROM THE CHAIR – *Paul Mantica*

The NUCL division was well represented at the ACS National Meeting in Dallas. NUCL sponsored 5 symposia with a total of 108 submitted papers, and also co-sponsored a symposium with PHYS as lead division. The Seaborg symposium honored Prof. Walter Loveland, who received his award at the ACS Awards Dinner on Tuesday evening of the meeting. The division acknowledges Oregon State University for their financial support, which was used to provide coffee breaks and an informal dinner with symposium for symposium participants. The symposium in honor of Dr. Norman Edelstein was well attended and also benefitted from support of several National Laboratories and PepsiCo, which hosted a dinner on the closing day of the symposium. The other NUCL symposia covering nuclear batteries, radiation hardened materials, and nuclear energy, received funding from the ACS MMPG due to their strong alignment with the Dallas meeting theme “Chemistry and Materials for Energy.” An article summarizing the discussions on radiation hardened materials appeared in the April 14th issue (Vol 92, Issue 15, pp. 25-26) of C&E News.

Several award presentations were made during the NUCL Business Meeting in Dallas. Rebecca Springs from UNLV was presented with the Coryell Award. John Strikwerda, Calvin College, and Marie Kirkegaard, Harvey Mudd College, were recognized as the Outstanding Students from the Summer Schools in Nuclear and Radiochemistry. Dave Hobart was recognized as the newest ACS Fellow from the division, and Bob Rundberg received thanks for his service as Chair of NUCL in 2013. A new division award was announced at the Business Meeting. The W. Frank Kinard Distinguished Service Award will be given annually to a divisional member for their outstanding service to the division and the field of nuclear science. Additional details regarding this award are included later in this newsletter.

It was announced during the Dallas Meeting that both Innovative Project Grants (IPGs) submitted by NUCL received funding. One of the IPGs will support a session honoring Frank Kinard that is being organized by Wendy Cory, College of Charleston, at the Southeast Regional Meeting of the ACS (SERMACS) in Nashville, TN, October 16-19, 2014. Please contact Wendy (coryw@cofc.edu) for additional information about the symposium. The other IPG will focus on division outreach with the development of materials will be centrally maintained and distributed to NUCL members for K-12 educational activities. This activity will be organized by Zach Kohley, Michigan State University. Please contact Zach (kohley@nscl.msu.edu) for additional information.

The NUCL division will update its Strategic Plan this year. The last Strategic Plan for the division was developed in 2007, and is available on the NUCL website. Details on the Strategic Plan exercise for this year are included later in this newsletter.

Finally, the division has a new website. The new site, <http://www.nucl-acs.org>, is still in its infancy, and comments regarding content are welcomed. Please provide feedback to Chris Klug (cklug@gru.edu), who is serving as the NUCL webmaster.

Kinard Award

The W. Frank Kinard Distinguished Service Award, established this year, recognizes NUCL members for outstanding service to the division and the field of nuclear science. The award is named in honor of Prof. W. Frank Kinard, who passed away in June 2013. Frank served the NUCL division as its secretary for 17 years, and for 15 year was the primary instructor for the Summer School in Nuclear and Radiochemistry in San Jose. The award consists of a personalized plaque and certificate, and the first award will be presented to the awardee at the NUCL Business Meeting held during the Fall ACS National Meeting in San Francisco on Monday, August 11, 2014. Nominations are now being solicited by the ad-hoc NUCL Awards Nominations Committee. A letter of nomination should be submitted electronically to Prof. Steve Yates (yates@uky.edu), Chair of the Awards Nomination Committee, before July 1, 2014. The letter is limited to two pages (~ 800 words, 11 point font) and should include the name, institute, and email contact for the nominee and nominator, and a brief narrative of the service role(s) the nominee has held with distinction.

AWARD NOMINATIONS COMMITTEE OF NUCL – *Steve Yates*

An important function of the newly formed Awards Nominations Committee of the Division is to encourage and facilitate nominations for national ACS awards, including the Glenn T. Seaborg Award for Nuclear Chemistry

(<http://www.acs.org/content/acs/en/funding-and-awards/awards/national/bytopic/glenn-t-seaborg-award-for-nuclear-chemistry.html>) and ACS Fellows

(<http://www.acs.org/content/acs/en/funding-and-awards/fellows.html>).

Nominations for both of these awards can be initiated by individuals. The Award Nominations Committee will also review the nominations for the newly-established Kinard Award (see above).

CORYELL AWARD - Graham Peaslee

If you have undergraduates engaged in research, please remember to nominate them for the Coryell Award this Spring. The Charles D. Coryell Award honors undergraduate students who have completed research projects in nuclear or nuclear-related areas. Each year there is a \$1000 prize to be awarded to the successful nominee(s). Contributions are judged on the basis of ingenuity, novelty, and potential usefulness. To be eligible, a student must have been an undergraduate at some time during the 12-month period prior to the deadline date for submission of applications for the award. The student may be sponsored by a faculty member at the home institution or by a research director at another institution where the student performed the work. The nomination deadline this year will be May 16, 2014. The nomination process consists of an example of the student written work, and a nomination letter that describes the student's contribution to the project. These items should be emailed directly to the Chair of the award committee (peaslee@hope.edu), and will be reviewed by a committee of three volunteers. Please contact Graham Peaslee if you have any questions.

Strategic Plan

The NUCL Executive Committee has embarked on a Strategic Planning exercise.

In advance of the Dallas meeting, the committee reviewed the previous Strategic Plan, which was completed in 2007, and made only minor changes to the Mission and Vision statements for the division:

Mission – The Division serves to advance the understanding of nuclear chemistry and radiochemistry and their practical applications by serving the diverse communities involved in nuclear science and related technologies.

Vision – As the preeminent organization for professionals in the fields of nuclear chemistry, radiochemistry, and related technologies, the Division will provide enhanced opportunities for education, networking, and outreach, while maintaining its excellence in diverse programming.

The Executive Committee also drafted three goal statements for NUCL for the next five-year period to help the division realize its Mission and Vision. The proposed goals are:

Goal 1 – Develop the next generation of nuclear chemists and radiochemists to meet national workforce needs in both basic and applied nuclear science and related technologies, with focus on education, training, and mentoring of young scientists (e.g., undergraduates, graduate students, and young professionals).

Goal 2 – Offer networking and professional growth opportunities for members, and actively pursue and publicize the professional achievements of members at the local, regional, divisional, and national levels.

Goal 3 – Develop and facilitate events and communication tools that enhance nuclear chemistry and radiochemistry outreach, provide expert information on historical achievements and recent advances, and emphasize the importance of practical applications of nuclear science in all aspects of society.

The Executive Committee would appreciate receiving feedback from the NUCL membership on these goals. Feedback should

be directed to Paul Mantica (mantica@msu.edu) by May 15, 2014.

The next step in the process will be to establish teams and team leaders for each of the three goals. In advance of the 2014 ACS Fall Meeting in San Francisco, the teams will assemble a list of activities with completion criteria for each of the goals. These activities will be reviewed in a resolution meeting to be held on the last day (August 14, 2014) of the San Francisco meeting. If you would like to contribute to the Strategic Planning exercise, please contact Paul Mantica (mantica@msu.edu) by May 15, 2014.

Volunteers Needed

The division has multiple service opportunities for members. These opportunities include:

- participating on the “Goal Teams” for the Strategic Planning Exercise
- serving on an ad-hoc Education and Membership committees
- supporting division communication activities: newsletter and website

If you are interested in learning more about ACS governance, playing an active role in the division is an excellent way to expand your network and raise awareness on issues important to NUCL members. Please contact Paul Mantica (mantica@msu.edu) to volunteer.

UPCOMING PROGRAMMING - Jenifer Braley

Thank you to all current and future organizers for their programming contributions. Please contact either Dave Hobart (dhobart15@gmail.com) or Jenifer Braley (jbraley@mines.edu) with your 2015 programming suggestions.

Fall 2014 – San Francisco, CA – Chemistry and Global Stewardship

- Comprehensive Test Ban Treaty Verification (Organizers: Sean Liddick, Howard Hall, Steven Biegalski)
- High-Level Waste Storage (Organizer: Nathalie Wall, Mark Boggs)
- Nuclear Fusion: from NIF to the Stars (Organizers: Mark Stoyer,; Lee Bernstein)
- Environmental Radiochemistry Symposium (Organizers: Don Reed, Ralf Sudowe, Brian Powell, Mark Zavarin)
- Young Investigators in Nuclear and Radiochemistry (Organizers: Cody Folden, Jeff Terry, Alena Paulenova)
- A Lifetime of Contributions to Science, Summer Schools and our NUCL Division Family: Symposium in Honor of Frank Kinard (Organizer: Paul Mantica)

In addition, NUCL is co-sponsoring two symposia with other divisions as leads:

Radiopharmaceutical Chemistry (Organizer: Alan Packard) with FLUO and MEDI
Rare Earth Separation Chemistry (Organizers: Dale Ensor, Peter Smith) with I&EC

Spring 2015 – Denver, CO – March 22-26, 2015 - Chemistry of Natural Resources

- Seaborg Award Symposium (Organizer: TBD)
- 50th Anniversary of the NUCL Division (Organizers: Dave Hobart, LANL, dhobart15@gmail.com; David Shuh, LBNL, dkshuh@lbl.gov; Dawn Shaughnessy, LLNL, shaughnessy2@llnl.gov; Jenifer Braley, CSM, jenifer.braley@gmail.com)
- Radioisotope Production (Organizers: Dennis Phillips, DOE, dennis.phillips@science.doe.gov; Suzy Lapi, Washington U St. Louis, lapis@mir.wustl.edu; Silvia Jurisson, Missouri, jurissons@missouri.edu)
- Heavy Elements: Experiments, Calculations, and Theory (Organizers: David Clark, LANL, dlclark@lanl.gov; David Shuh, LBNL, dkshuh@lbl.gov)
- Nuclear Forensics (Organizers: Robert Rundberg, LANL, rundberg@lanl.gov; Amanda Klingensmith)

Fall 2015 – Boston, MA – August 16-20, 2015 - Innovation from Discovery to Application

- Analytical Chemistry in Nuclear Technology (Organizers: Dave Hobart, LANL, dhobart15@gmail.com; Charles Coleman, SRNL, charles02.coleman@srnl.doe.gov)

If you are interested in organizing a symposium for 2015, please contact Dave Hobart, 2015 NUCL Chair (dhobart15@gmail.com), or Jenifer Braley, NUCL Program Chair (jbale@mines.edu).

Several other concepts in development

Radiochemistry Infrastructure – cooperative with the Health Physics Society

Archaeometry (contact Dave Robertson)

PACIFICHEM 2015 – Paul Mantica

The 2015 International Chemical Congress of Pacific Basin Societies, known as Pacificchem 2015, will take place in Honolulu, Hawaii, USA, December 15-20, 2015. Pacificchem 2015 has accepted 259 symposia during Round One, which occurred from January 1 – April 1, 2013. NUCL related symposia selected during Round One include:

- Experimental and Theoretical Actinide Chemistry: From Fundamental Systems to Practical Applications [#42, Inorganic] (Organizers: John Gibson, Georg Schreckenbach, Tsuyoshi Yaita, Jun Li, and Ping Yang)
- The Expanding Periodic Table: New Discoveries and Chemistry of the Heaviest Elements [#234, Inorganic] (Organizers: Heino Nitsche, Yuichiro Nagame, Zhi Qin, Peter Schwerdtfeger, Christoph Duellmann, Andreas Tuerler)

- Nuclear Probes in Nanoscale Characterization [#254, Inorganic] (Organizers: Masashi Takahashi, Anita Hill, Virender Sharma, Junhu Wang, Kiyoshi Nomura, Yasuhiro Yamada)
- Science with Beams of Radioactive Isotopes [#340, Physical, Theoretical & Computational] (Organizers: Sherry Yennello, Krzysztof Starosta, Yulinag Zhao, Hiromitso Haba)
- Computational Modeling of d- and f-Block Chemistry: Challenges and Opportunities [#130, Physical, Theoretical & Computational] (Organizers: Angela Wilson, Peter Schwerdtfeger, Kwang S. Kim, Zhenyang Lin, Tom Cundari)
- Chemistry of Molecular Imaging [#215, Bench to Beside: Chemistry of Health Care] (Organizers: Henry VanBrocklin, Gilles Tamagnan, Yasuhisa Fujibayashi, Len Luyt, Andrew Katsifis, Yearn Choe)
- Chemistry for Development of Theranostic Radiopharmaceuticals [#11, Bench to Bedside: Chemistry of Health Care] (Organizers: Scott Wilbur, Michael Adam, Paul Donnelly, Yasushi Arano, Jae Min Jeong, Xianzhong Zhang)

Pacificchem 2015 opened Round Two proposal submissions from December 1, 2013 – March 1, 2014. Eighty three new proposals were submitted during this open period. Round Two proposals will be reviewed with acceptance by June 2014.

For complete information about the Pacificchem Program please visit:

<http://www.pacificchem.org>

TREASURER'S REPORT – Alice Murray

To date in 2014, the NUCL Division has received donations to support the ACS National Glenn T. Seaborg Award for Nuclear Chemistry (\$1,000) and the

Edelstein Symposium at the Dallas meeting (\$10,000). We received reimbursement for the registrations for some speakers at select symposia at the Dallas meeting from the ACS Multidisciplinary Program Planning Group (\$3,500). We have distributed \$11,557 to support participation in the Edelstein Symposium.

SUMMER SCHOOL – *Dave Robertson*

The 2014 Nuclear Chemistry Summer Schools will be held June 16 through July 25 at Brookhaven National Laboratory and San Jose State University. Herb Silber will again serve as Site Director at SJSU and Trish Baisden will be the primary instructor at SJSU. Louis Pena will again serve as Site Director at BNL. The deadline for receiving all application materials was February 1. We received over 110 complete applications. My sincere thanks the selection committee for their work on reviewing such a large number of applications from so many outstanding students. This year's selection committee consisted of Chris Cahill from George Washington University, Carolyn Anderson from the University of Pittsburgh, Mark Stoyer from Lawrence Livermore National Laboratory, and Gordon Jarvinen from Los Alamos National Laboratory. The students that will be participating in this year's program are:

Brookhaven National Laboratory

Emily Aldrich (Saint Mary's College), Corey Burden (Seattle Pacific University), Paul Spiel (Brigham Young University Idaho), Katherine Childers (Otterbein University), Anna Lewis (University of Central Florida), Alexandra Meyer (University of Saint Francis), Michelle Muzzio (Iona College), Brian Nguyen (University of Missouri - Kansas City), Nicholas Pekas (University of South Dakota), Paul Powell (Brigham Young University-Idaho), Samuel Henderson

(University of Dallas), Amanda Werlein (Tennessee Technological University)

San Jose State University

Nadia Amro (Tennessee Technological University), Ryan Benke (University of Jamestown), Berkley Ellis (Lynchburg College), Aaron French (University of Dallas), Kaitlyn Hall (Hollins University), Cassara Higgins (University of Northern Iowa), Matthew Huber (South Dakota School of Mines and Technology), Christopher Loveless (Fort Lewis College), Kelly O'Neill (Gustavus Adolphus College), Kathryn Peruski (University of Notre Dame), Joshua Peterson (Bradley University), Belinda Sell (Truman State University)

The outstanding students from the 2013 program, John Strikwedra (BNL) and Mary Kirkegaard (SJSU), were recognized at the NUCL Division Business Meeting in Dallas.



(Dave Robertson and John Strikwedra)



(Mary Kirkegaard and Dave Robertson)

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

COUNCILORS' REPORT – *Silvia Jurisson and Graham Peaslee*

The NUCL Division has more than 1000 members, which allows the Division to elect two councilors to represent the Division at the ACS Council Meeting. The Division also has at least two other members that are Councilors elected from various local sections that actively participate in ACS governance. Together, all the councilors work to represent the Division within the larger ACS

community, and we serve as a conduit of information between the ACS leadership and the Division members. Please don't hesitate to contact either Graham (peaslee@hope.edu) or Silvia (jurissons@missouri.edu) if there are any questions or items that we should communicate from membership back to the ACS leadership.

Portions of the following edited summary were 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 2014 Spring National Meeting in Dallas.

ACTIONS OF THE COUNCIL

Election Results

- The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2015: Peter K. Dorhout, William A. Lester, Jr., Christopher K. Ober, and Henry F. Schaefer III. By electronic ballot, the Council selected **Peter K. Dorhout** and **William A. Lester, Jr.** as **candidates for 2015 President-Elect**. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.
- The Committee on Nominations and Elections announced the results of the election to select *candidates* from the list of *nominees* to serve as Directors from District III and District VI on the Board of Directors for the term 2015-2017. Nominees for District III included Dee Ann Castell, Pat N. Confalone, Anne S. DeMasi, and Kathryn E. Uhrich. Nominees for District VI included Allison A. Campbell, Paul W. Jagodzinski, Lee H. Latimer, and Eleanor D. Siebert. By mail ballot, the Councilors from these districts selected **Pat N. Confalone**

and **Anne S. DeMasi** as **District III candidates**; and **Paul W. Jagodzinski** and **Lee H. Latimer** as **District VI candidates**. Ballots will be mailed on or before October 10, 2014 to all ACS members in District III and District VI for election of a Director from each District.

Candidates for Directors-at-Large

- The Committee on Nominations and Elections announced the selection of the following candidates for Directors-at-Large for a 2015-2017 term: Dawn A. Brooks, William F. Carroll, Jr., Barbara A. Sawrey, and Ellen B. Stechel. The election of two Directors-at-Large from among those candidates and any selected via petition will be conducted in the fall. Ballots will be mailed to the Council on or before October 10, 2014.

2015 Member Dues

- The Council voted to set the member dues for 2015 at the fully escalated rate of \$158. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.

Divisional Allotment Formula

- After voting to postpone its implementation by one year, the Council voted to approve a revised formula for allocating dues funds to divisions. This formula, which was presented by the Committee on Divisional Activities, will be effective with allocations for 2015 division performance. This means that smaller divisions (like Nuclear) will actually see a significant increase (~5%) in the dues allotment returned to the Division, which will allow for more Divisional activities.

New International Chemical Sciences Chapter

- On recommendation of the Committee on International Activities and subject to the concurrence of the Board of Directors, the Council voted to approve petitions to charter the South Korea International Chemical Sciences Chapter and the Malaysia International Chemical Sciences Chapter.

COMMITTEE ORAL REPORTS (Highlights)

Society Committees

Budget and Finance (B&F)

- In 2013, ACS generated a Net from Operations of \$15.1 million, which was \$2.0 million favorable to the budget. This represents the Society's tenth consecutive year of positive operating results. Total revenue was \$490.5 million, which was \$8.8 million (or 1.8%) lower than budget, and essentially flat when compared with 2012. The result was largely attributable to cost containment measures throughout the ACS. Unrestricted Net Assets rebounded in 2013, rising to \$207 million, and more than doubling from the 2012 level.

Standing Committees

Economic and Professional Affairs (CEPA)

- Findings from the ACS 2013 New Graduate Survey have been compiled and reveal troubling news: overall unemployment among new graduates rose from 12.6% in 2012 to 14.9% in 2013. This is primarily due to the high unemployment among recent Bachelor's degree chemists. New graduates must be at the top of our priority list for employment assistance in 2014.

Meetings and Expositions (M&E)

- As of this morning (March 19, 2014), the ACS spring national meeting had

attracted 13,680 registrants, including 6,853 regular attendees and 5,140 students. The meeting had 10,050 papers presented.

- The new ACS Mobile Application had over 6,000 downloads by meeting attendees.
- M&E voted to eliminate the author index in the hard program meeting program book beginning with the spring 2015 meeting. The searchable author index is now available via the mobile application and other electronic means.

Divisional Activities (DAC)

- Operating as a DAC subcommittee, the Multidisciplinary Planning Group is proposing the following 2017 national meeting themes to the divisions for their consideration:
 - Spring, San Francisco: *Advanced Materials, Technologies, Systems and Processes*
 - Fall, Washington, DC: *Chemistry's Impact on the Global Economy*

ACTIONS OF THE BOARD OF DIRECTORS

At this meeting, the ACS Board of Directors considered a number of key strategic issues and responded with several actions.

The Executive Director/CEO Report

- The Executive Director/CEO and her direct reports updated the Board on the following: ACS financial trends and near term outlook; the launch of the recently approved American Association of Chemistry Teachers, which will support K-12 teachers of chemistry by providing them with a professional home that addresses and is responsive to their needs; and the activities and plans of CAS (Chemical Abstracts Service) and the ACS

Publications Division. As a follow-up to the Publications report, the Board VOTED to approve three journal editor re-appointments. The Board also VOTED to approve one appointment to the ACS Green Chemistry Institute Governing Board and one reappointment to the ACS Governing Board for Publishing.

Other Society Business

The Board also:

- Expressed its gratitude and thanks to Madeleine Jacobs, Executive Director and Chief Executive Officer, who on March 6 announced her plan to retire at the end of the year. The Board then began a discussion of the process and logistics of identifying and hiring her successor.
- Approved a resolution congratulating Robert Massie on his retirement at the end of this month for twenty-one years of successful leadership of the Chemical Abstracts Service (CAS).

ANNOUNCEMENTS

ACS 2014 Southeast Regional Meeting, Nashville, TN, October 16-19, 2014

The 2014 ACS SERMACS meeting (<http://www.sermacs2014.org>) in Nashville, TN on October 16-19, 2014 will feature an invited symposia on "Honoring Frank Kinard – Professor, Nuclear Chemist, Mentor, Friend". Wendy Cory (CoryW@cofc.edu) at the College of Charleston is the organizer and can be contacted by those interested in that symposia. The meeting will be held at Sheraton Music City in Nashville. The Division expects to provide some support for this symposia.

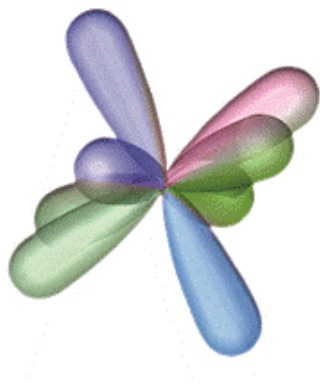
The Radiobioassay and Radiochemical Measurements Conference will take place in Knoxville, TN, October 27-31st, 2014. For more information, visit www.rrmc.co

OBITUARIES – *from Udo Schroeder*

It is with deep sadness that I report to you that on Jan. 25, 2014, our former colleague, mentor and friend John R. Huizenga has passed away at the age of 92, peacefully, in his sleep. He had lost strength during the prior months but until last was able to enjoy communication, love and care by his family gathering around him in La Jolla, CA.

You are aware of John's seminal scientific contributions to nuclear physics, starting from his early involvement in the Manhattan Project, his contributions to the discovery of elements 99 and 100, his many publications, including the book on nuclear fission (co-authored with Robert Vandebosch) and his pioneering work on heavy-ion reactions. He has also made many contributions as a citizen to the community such as leading a committee on the "cold fusion fiasco." John's work has been honored by numerous awards and fellowships including his election to the Academy of Sciences.

John was admired and deeply appreciated, as a scientist, group leader and mentor by his students and associates. He will live in their hearts and minds.



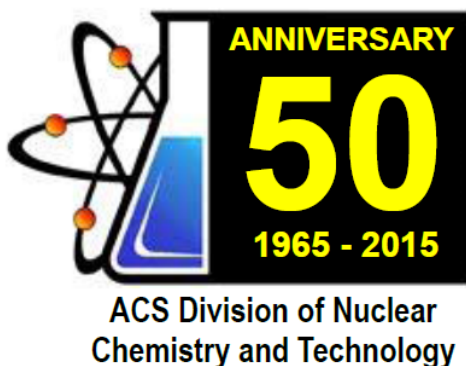
Plutonium Futures—The Science Conference 2014 will be held at the Renaissance Hotel in Las Vegas, Nevada September 7-12, 2014. It will be the eighth conference in the series, which was initiated by Los Alamos National Laboratory in 1997. Previous conferences have been held in Santa Fe, New Mexico, in 1997 and 2000; Albuquerque, New Mexico, in 2003; Asilomar, California, in 2006; Dijon, France, in 2008; Keystone, Colorado, in 2010; and Cambridge, United Kingdom, in 2012. The 2014 conference is co-sponsored by Lawrence Livermore and Los Alamos National Laboratories and the American Nuclear Society (ANS).

The Plutonium Futures conferences provide an international forum for the discussion of current research on the physical, chemical, and mechanical properties of plutonium and other actinides. By bringing people of diverse disciplines together, the conference aims to enhance the dialogue among scientists and engineers on the fundamental properties of plutonium and their technological consequences. The conference will include discussions of condensed matter physics, materials science, metallurgy, surface science, corrosion, colloids, actinide chemistry, detection and speciation analysis, environmental science, fuel-cycle issues, and advanced nuclear fuels. A tutorial session will be held on the opening Sunday afternoon.

Kerri Blobaum and Scott McCall are the general and program chairs, respectively. Information on registration, call for papers, and lodging will be available through the ANS webpage. Questions or requests to be added to the conference mailing list should be sent to Kerri Blobaum (blobaum1@llnl.gov) or Scott McCall (mccall10@llnl.gov).

Prepared by LLNL under Contract DE-AC52-07NA27344.

Symposium Celebrating the 50th Anniversary of the ACS Division of Nuclear Chemistry and Technology



The Division of Nuclear Chemistry and Technology (NUCL) was first established in 1957 as a subdivision of the Division of Industrial and Engineering Chemistry. In 1965 the ACS approved lifting the probationary status and created the new division. The NUCL Division held its first symposium, "The Production Technology of Neptunium-237 and Plutonium-238" at a meeting in Denver, Colorado. It is fitting that we celebrate the 50th Anniversary of the Division at the 249th ACS National Meeting and Exposition in Denver, CO, March 22-26, 2015.

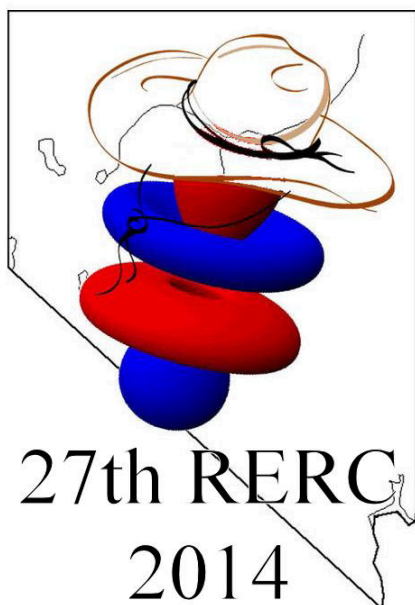
Plans are currently underway for the 50th Anniversary of the NUCL Division Symposium and we are looking for division members to volunteer to help organize the symposium. We are also soliciting ideas and historic and contemporary photographs and motion pictures of people and places from the last fifty years. Please send your ideas and photos, etc. to the current organizers of the Symposium listed below. The 50th Anniversary Symposium will "Honor the Past, Celebrate the Present and Shape the Future" of the Division and the discipline. We look forward to a memorable and inspiring symposium.

David Hobart
dhobart15@gmail.com

David Shuh
dkshuh@lbl.gov

Dawn Shaughnessy
shaughnessy2@llnl.gov

Jenifer Braley
Jenifer.braley@gmail.com



27th RARE EARTH RESEARCH CONFERENCE

June 22-26, 2014
The Village at Squaw Valley
Squaw Valley, CA
Reno – Tahoe Region
USA

www.unr.edu/lerc

Executive Committee:

Conference Chair:

A. de Bettencourt-Dias (U Nevada, Reno) – abd@unr.edu

Program Chairs:

K. Gschneidner, Jr. (Ames Lab)

V. Pecharsky (Ames Lab)

Past-Conference Chair:

J. Sarrao (Los Alamos National Lab)

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J. Brennan (USA)

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W.J. Evans (USA)

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G. Meyer (Germany)

A.-V. Mudring (Germany)

D. Parker (UK)

J. Sarrao (USA)

S. Shinoda (Japan)

F.A. Sigoli (Brazil)

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V. Pecharsky

A.-V. Mudring

K. Gschneidner, Jr.

A. Sadow

Y. Mudryk

J.-C.G. Bünzli

Y. Grin

G.-Y. Adachi

C.H. Yan

W.J. Evans

The Village at Squaw Valley



Lake Tahoe

