



Division of Nuclear Chemistry and Technology  
*American Chemical Society*

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

**NEWSLETTER**  
**January 2008**

*Newsletter Editor: Lætitia Delmau*  
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**FROM THE CHAIR – Roy Lacey**

As the incoming Chair of the Division, I want to take this opportunity to thank the outgoing chair, Heino Nitsche, for his effective leadership and service to the division, especially during the past year. Heino will continue to spearhead several initiatives this year so we will continue to benefit from his hard work and wisdom. In addition, I would be remiss not to thank those individuals (too numerous to list here) whose tireless efforts are essential to the continued health and vitality of the Division. This year, I am looking forward to working with each of you, as well as with new volunteers.

The program for the 235th National ACS meeting (April 6-10, 2008) is set and I encourage you to browse the program at the ACS website. You will find that that it reflects the diversity as well as the strengths of the Division. Therefore, on behalf of the symposia organizing teams, I would like to invite you to attend one of the following Symposia at the New Orleans meeting;

Chair, 2008

Program Chair, 2008

**ROY A. LACEY**

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Chair-Elect, 2008

Program Chair, 2009

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Vice-Chair, 2008

Program Chair, 2010

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Secretary, 2008-2010

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Councilor

**STEVEN W. YATES**, 2008-2010

[yates@uky.edu](mailto:yates@uky.edu)

Alternate Councilor

**JEFF C. BRYAN**, 2006-2008

Division Councilor Emeritus

**ELLIOT S. PIERCE**

Members-at-Large, Executive Committee

**ALICE C. MIGNEREY**, 2006-2008

**DAVID MORISSEY**, 2007-2009

**1) Global Nuclear Energy Partnership (GNEP): Science and Technology for a Nuclear Future**

Organizers: John T. Boger, DOE; Jack D. Law, Aqueous Separations and Radiochemistry Department, Idaho National Laboratory, Mail Stop 3870, Idaho Falls, ID 83415-3870

**2) A Life Well-spent in Actinide Science: Contributions of James C. Sullivan**

Organizers: Kenneth L. Nash, Department of Chemistry, Washington State University, PO Box 644630, Pullman, WA 99164-4630  
Linfeng Rao, Actinide Chemistry Group, The Glenn T. Seaborg Center, Chemical Sciences Division, Lawrence Berkeley National Laboratory, 1 Cyclotron Road, MS 70A-1150, Berkeley, CA 94720; Dennis W. Wester, Radiochemical Science and Engineering Group, Pacific Northwest National Laboratory, P.O. Box 999, MSIN P7-22, Richland, WA 99352; Judah I Friese, Radiological and Chemical Sciences, Pacific Northwest National Laboratory, 902 Battelle BVD PO Box 999, Richland, WA 99352; Leigh R Martin, Aqueous Separations and Radiochemistry Department, Idaho National Laboratory, P.O. Box 1625, Idaho Falls, ID 83415-2208

**3) Developments in Advanced Characterization Techniques in Actinide Science**

Organizers: Charles J. Coleman, Savannah River National Laboratory, Aiken, SC 29808; G. R. Choppin, Department of Chemistry, Florida State University, Tallahassee, FL 32306; David Hobart, Actinide Analytical Chemistry Group, Los Alamos National Laboratory, Mail Stop G740, Los Alamos, NM 87545

**4) Frontiers of Basic and Applied Nuclear Science**

Organizers: Partha Chowdhury, Department of Physics, University of Massachusetts Lowell, Olney Science Center 136, One

University Ave., Lowell, MA 01854; Roy Lacey, Department of Chemistry, State University of New York at Stony Brook, Stony Brook, NY 11794-3400; Jiangyong Jia, Department of Chemistry, State University of New York at Stony Brook, Stony Brook, NY 11794-3400; Pawel Danielewicz, Department of Physics, National Superconducting Cyclotron Laboratory and Department of Physics and Astronomy, NSCL/Cyclotron Laboratory, Michigan State University, 164 South Shaw Lane, East Lansing, MI 48824-1321; Wolf Holtzman, Columbia University and Nevis Laboratories, Physics Department, Columbia University, 538 West 120th Street, New York, NY 10027

Larry Phair (LBNL) is the primary organizer for the symposium ***“Frontiers of Basic and Applied Nuclear Science: Glenn T. Seaborg Award for Nuclear Chemistry Symposium in honor of Romualdo de Souza.”*** As most of you already know, Romualdo is the recipient of the 2007 Glenn T. Seaborg award in Nuclear Chemistry. I am hoping that you will be able to join us and help celebrate Romualdo's accomplishments.

Philadelphia, PA, August 17-21, 2008

Plans for the 236th ACS National Meeting, Philadelphia, PA, August 17-21 are already afoot and the Call for Papers will print in C&EN on January 21, 2008. I am hoping that you will contribute as well as participate in the many planned Symposia and events.

As in New Orleans, the Division will be sponsoring numerous symposia on a broad variety of topics. It is especially noteworthy that this year is the 25th anniversary of the founding of the Nuclear Summer Schools sponsored by the Department of Energy and the DNCT. Over 530 students have participated in the program with a substantial number going on to careers in

nuclear sciences. Frank Kinard is organizing a symposium to mark this anniversary.

*"Symposium Marking the 25th Anniversary of the Nuclear Summer Schools"*

The year 2008 marks the 25th anniversary of the ACS/DOE Summer Schools in Nuclear Chemistry. To celebrate this milestone, we would like to have former students from both the San José and Brookhaven summer schools participate in a symposium outlining their research and professional activity since they attended the summer school. Please contact Frank Kinard at kinardf@cofc.edu if you can participate or need more information. Abstracts will probably be due in April, shortly after the New Orleans meeting.

Finally, I would like to take this opportunity to wish you a happy and productive New Year. We are off to a very good start and I am confident that with your help and support, this will be a great year for the DNCT.

Please do not forget to send Mark Stoyer (Program Chair 2009) your suggestions for the 2009 Spring and Fall meetings and Silvia Jurisson (Program Chair 2010) for the 2010 Spring and Fall meetings.

## MEETING ANNOUNCEMENT

*From Dave Robertson*

The American Nuclear Society's Biology and Medicine and the Isotope and Radiation Divisions are co-sponsoring an embedded topical, "Isotopes for Medicine and Industry," as part of the ANS June 2008 Annual Meeting at Disneyland Resort in Anaheim, California.

This topical is being organized to provide a forum for discussions about the continuing rapid growth of radioisotopes for medical diagnostics and therapeutics, industrial,

environmental, and power applications. Inherent to this topical meeting will be discussions of associated production and supply issues, as well as manpower education and training needs to support the current and future isotope community. Technical tracks for the topical include:

Track 1: Applications in Nuclear Medicine - Diagnostics Track 2: Reactor Production of Medical Isotopes Track 3: Isotopes in Environmental, Industrial, and Nuclear Power Applications Track 4: Applications in Nuclear Medicine - Therapeutics Track 5: Reactor Production of Research and Industrial Isotopes Track 6: Cyclotron Production of Biomedical Tracers Track 7: Radiochemistry Track 8: High Energy Accelerator / Cyclotron Production of Isotopes Track 9: Distribution and Transportation Issues Track 10: Production and Applications of Alpha Emitters Track 11: R&D and Standards Needs for Future Applications in Industry Track 12: Manpower and Education

The Call for Papers and information about the Embedded Topical, as well as the Annual Meeting, can be found at <http://www.ans.org/meetings>. The deadline for abstract submissions is February 8, 2008.

For additional information or questions about the Topical, contact Conference Chair Wynn A Volkert (University of Missouri, Columbia; VolkertW@health.missouri.edu) or Technical Program Chair Ralph Butler (Director, University of Missouri Research Reactor; (ButlerRa@missouri.edu).

## COUNCILOR'S REPORT

*From Steve Yates*

Councilors: Steven W. Yates and Elliot S. Pierce (Emeritus)  
Alternate Councilor: Jeff C. Bryan

At the end of 2007, Joe Peterson completed 15 years of exemplary service to the Division and the Society. As you may recall, I served previously as your councilor. That experience will help, but Joe leaves huge shoes to fill. I'll do my best, and I look forward to seeing many of you in New Orleans.

## SUMMER SCHOOL

*From Paul Mantica:*

### 1. 2007 Outstanding Students

Beth Long of the Tennessee Tech (SJSU) and Ben Farah of Northwestern University (BNL) were named the Outstanding Students for the 2007 Nuclear and Radiochemistry Summer Schools.

Both Beth and Ben will attend the 235th National Meeting of the ACS in New Orleans in April 2008. They will be recognized for their accomplishments at the DNCT Business Meeting on Monday Evening, April 6th. Congratulations Beth and Ben!

### 2. Recruiting for 2008 Summer Schools

Recruiting activities for the 2008 Summer Schools is in full swing. The application deadline is February 1, 2008.

The six-week Summer School program is an INTENSIVE undergraduate introduction to nuclear science and applied technologies. The programs will be held at Brookhaven National Laboratory and San Jose State University from June 15, 2008 through July 26, 2008.

Application materials are available on-line at the Summer School website:

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

A recruiting poster can be downloaded in .pdf format for printing at:

<http://www.nscl.msu.edu/~mantica/NuclearSummerSchoolFlyer2008.pdf>

The Summer Schools are limited to 12 students at each site. Announcement of awards will be made in mid March 2008.

Fellowships include a stipend (\$3,600), all tuition and fees, transportation to and from the Summer School locations, housing, books, and laboratory supplies. Transferable college credit will be awarded through the ACS accredited chemistry programs at San Jose State University (7 units) or the State University of New York at Stony Brook (6 units).

Candidates should be undergraduates who will be starting their junior or senior year in the Fall of 2008. They should have completed at least two years of chemistry, one year of physics, and one year of calculus. Preference will be given to rising seniors. Applicants must be U.S. citizens. Please encourage your undergraduate students to apply to this very rewarding preparatory program.

Additional information on the Nuclear and Radiochemistry Summer Schools can be obtained by contacting:

Paul Mantica  
National Director, ACS Nuclear and  
Radiochemistry Summer Schools  
Michigan State University  
East Lansing, MI 48824  
Phone 517-333-6456  
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