Division of Nuclear Chemistry and Technology
American Chemical Society

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

NEWSLETTER
July 2007

Newsletter Editor: Lætitia Delmau
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Topics

FROM THE CHAIR – Heino Nitsche

I would like to give you an update on the three major goals that I aim to achieve during my tenure as your Chair, as outlined in the January Newsletter:

1. Development of a Long-range Strategic Plan for the Division and a Long Range Strategic Planning Committee

1) A one-day long-range strategic planning session will be held on August 18, 2007, the day before the start of the Boston ACS meeting. Eleven members, representing the Division, agreed to participate in this exercise with the goal to produce a draft of a long- range strategic plan for DNCT.

2) It is planned to establish a divisional Long Range Strategic Planning Committee that will be composed of four to five participants of the strategic training exercise. Upon the approval of the Executive Committee, the Long-Range Planning Committee should be established on August 19, 2007.

3) Again, I am calling for volunteers to work on the Membership Committee to counteract the declining number of members. If you would like to work on this committee, please contact me. So far, I have only received the response of one volunteer to help me reactivate this Committee. I need your input and active involvement for this effort.

2. Younger Nuclear Chemists Committee

I have received very good feedback from the "younger" members of our Division concerning my request to work on a new DNTC "Younger Nuclear Chemists Committee." I am very excited to establish with this Committee a possibility for the younger members to formally participate in the decision making process of our Division, especially as they are the future of our Division and the entire profession. Upon the approval of the Executive Committee, the Younger Nuclear Chemists Committee should be established on August 19, 2007.

3. Increased Participation at Regional Meetings

62nd Annual Meeting of the Northwest Region of the ACS

DNCT was well represented at the **62nd Annual Meeting of the Northwest Region of the ACS, Boise, Idaho, June 17-20, 2007.**
http://northwestchemistry.org/Norm_2007/

The Chemistry of Advanced Nuclear Systems: Separations, Separations and Environmental, Modeling and Simulation, and Waste Forms (Organizers: Dr. Wibe (Bert) De Jong (PNNL), Prof. Aurora E. Clark (WSU) was covered by 28 oral presentations during four half-day sessions and one poster session. Although the meeting was well-attended, I would like to encourage you to consider organizing symposia on nuclear-related topics and to actively participate in the various regional meetings. I found attending the Boise meeting very informative and invigorating as I had the opportunity to discuss science with many brilliant graduate students and postdoctoral scientists.

ACS FALL MEETING - BOSTON
Boston, MA, August 19-23, 2007

Our symposia organizers have worked very hard and put together a very interesting program with five symposia and a Sci-Mix poster session:

1) Meeting the Diverse Needs of the 21st Century Nuclear Science Workforce: A Symposium by Graduate Student Scientists in Nuclear and Radiochemistry Organizers: Prof. Nathalie A. Wall, Department of Chemistry, Washington State University, Pullman, WA 99164, nawall@wsu.edu, Phone: (509) 335-8917 (Fax (509)-335-4433); Dr. Charles M. Folden III, National Superconducting Cyclotron Laboratory (NSCL), Michigan State University, 1Cyclotron, East Lansing, MI 488241321, Folden@nscl.msu.edu, Phone: (517)355-9672 Ext 153 (Fax N/A); Dr. Charles L. Crawford, Environmental & Chemical Process Technology Section, Savannah River National Laboratory, Building 773-41A, Rm. 180, Aiken, SC 29808, charles.crawford@srnl.doe.gov, Phone: 803-725-8049 (Fax 803-725-4704)

2) **Nuclear Stucture and Reactions in the Era of Radioactive Beams**
Organizers: Prof. Romualdo T. de Souza, Department of Chemistry, Indiana University, 800 E. Kirkwood Ave., Room C230A, Bloomington, IN 47405-7102, desouza@indiana.edu, Phone: (812) 855-3767 (Fax N/A); Dr. Larry Phair, Nuclear Science Division, Lawrence Berkeley National Laboratory, MS 88, 1 Cyclotron Road, Berkeley, CA 94720, lwphair@lbl.gov, Phone: (510)486-7958 (Fax N/A)

3) **Computational Actinide and Transactinide Chemistry: Progress and Perspectives**
Organizers: Dr. Jun Li, Pacific Northwest National Laboratory, W. R. Wiley Environmental Molecular Sciences Laboratory, P.O. Box 999, Richland, WA 99352, Jun.Li@pnl.gov, Phone: 509-376-4354 (Fax 509-376-0420); Prof. Peter Schwerdtfeger, Institute of Fundamental Sciences, Massey University, Massey University (Auckland Campus), Private Bag 102904, North Shore MSC, Auckland New Zealand, p.a.schwerdtfeger@massey.ac.nz, Phone: (64) 09 443 9780 (Fax (64) 09 443 9779); Prof. Nick Kaltsoyannis, Department of Chemistry, University College London, 20 Gordon Street, London WC1H 0AJ, n.kaltsoyannis@ucl.ac.uk, Phone: +44 (0)20-7679-4670 (Fax +44 (0)20-7679-7463)

4) **Molecular Imaging**
Organizers: Prof. Henry F. VanBroklin, Department of Radiology, Center for Molecular and Functional Imaging, University of California San Francisco, San Francisco, CA 94107, Henry.VanBrocklin@radiology.ucsf.edu, Phone: (415)353-4569 (Fax (415)353-9412); Prof. Alan B. Packard, Division of Nuclear Medicine, Children's Hospital Boston/Harvard Medical School, 300 Longwood Ave, Boston, MA 02115, alan.packard@childrens.harvard.edu, Phone: 617-355-7539 (Fax 617-730-0619)

5) **Analytical Chemistry in Nuclear Technology**
Organizers: Dr. Charles J. Coleman, Savannah River National Laboratory, Washington Savannah River Company, Building 773-A, Aiken, SC 29808, Phone: 803-725-1160, Fax: 803-725-4704, charles02.coleman@srs.gov. Dr. David T. Hobbs, Savannah River National Laboratory, Washington Savannah River Company, 773-A, B-117, Aiken, SC 29808, Phone: 803-725-2838, Fax: 803-725-4704, david.hobbs@srs.gov. Dr. David E. Hobart, Chemistry Division, Los Alamos National Laboratory, Mail Stop G740, Los Alamos, NM 87545, Phone: 505-667-0205, Fax: 505-665-4737, dhobart@lanl.gov

The detailed session information can be found at:
http://oasys2.confex.com/acs/234nm/techprogram/; tab "Division Nuclear Chemistry and Technology."

Please remember that the program starts on Sunday morning, and your attendance at the early sessions would be greatly appreciated. I am inviting all of you to attend the Boston meeting, and I look forward to seeing you in Boston in August.

I may sound like a broken record/broken 8-track/scratched CD/corrupted MP3 file, but I only can repeat my statement from the last two Newsletters: The Division of Nuclear Chemistry and Technology is **your** Division and needs **your** active participation and involvement.

Heino Nitsche, Chair 2007

ACS NATIONAL MEETINGS 2008 – Roy Lacey

New Orleans, LA, April 6-10, 2008

On behalf of the symposia organizing teams, I would like to invite your participation in the DNCT program at the Spring national meeting in New Orleans. Several symposia covering a diverse range of subjects are currently planned as follow;

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

Please do not hesitate to contact one or more of the symposia co-chairs to express your willingness to participate or contribute in some way. We would be especially grateful if you can encourage your students to attend. To assist with student participation, we intend to make available a number of travel grants for the meeting. Once again, we look forward to your advice, help and especially your participation in the upcoming Spring meeting.

Philadelphia, PA, August 17-21, 2008

Please do not forget to send Roy Lacey (Program Chair 2008, roy.lacey@sunysb.edu) your suggestions for the 2008 meeting in Philadelphia and Mark Stoyer (Program Chair 2009) for the 2009 Spring and Fall meetings.

DISTRICT ELECTIONS

Division of Nuclear Chemistry and Technology Councilor Joe Peterson (University of Tennessee, Knoxville and Oak Ridge National Laboratory, retired) is a District II candidate for the 2008-2010 ACS Board of Directors, as one of the six Directors on the Board representing their respective geographical areas of the Society known as districts. He is running against the incumbent District II Director Diane G. Schmidt (The Procter & Gamble Company, Cincinnati). Society members living in 42 local sections in IN, KY, MD, MI, OH, TN,

VA, WV, and PA which comprise District II will receive ballots in early fall 2007 along with biographical information and a candidate statement from each. You are strongly encouraged to vote in this fall election!"

DNCT ELECTIONS

Elections of DNCT officers will be held soon. Here are the candidates for each position:

Vice Chair
Sherry Yenello and Silvia Jurisson

Councilor
Steve Yates and Lav Tandon

Secretary
Frank Kinard and Alice Murray

Treasurer
Leonard Mausner and Lætitia Delmau

Bios of candidates are at the end of the Newsletter.

SUMMER SCHOOL

From Paul Mantica:

The 2007 ACS Nuclear and Radiochemistry Summer Schools are underway. Twelve students were selected to participate at each of the two site locations, as identified in the previous newsletter.

Prof. Herb Silber is Site Director at San Jose State University, and Prof. Frank Kinard is serving as primary lecturer. Information on the San Jose program is available at:
http://www.cofc.edu/~kinard/NuclearSummerSchool/NSSHomepage.htm

Dr. Richard Ferrieri serves as Site Director at Brookhaven National Laboratory. The lecture assignments are divided weekly amoung visiting instructors.
The 2007 lecturer lineup includes Sheldon Landesberger (U. Texas), Paul Mantica (Michigan State U.), Dave Robertson (U. Missouri), Roy Lacey (SUNY Stony Brook), and Ken Czerwinski (U. Nevada - Las Vegas). The BNL program is available for viewing at:
http://www.bnl.gov/ncss

We anticipate accepting applications for the 2008 ACS Nuclear and Radiochemistry Summer School program beginning in November 2007. Please direct any questions on the summer schools 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

ISEC 2008

International Solvent Extraction Conference ISEC 2008

The International Solvent Extraction Conference (ISEC) is the premier meeting of solvent extraction experts, bringing together scientists and engineers from around the globe every three years. The ISEC meetings began in 1962 and have been held worldwide in the USA, UK, Israel, Netherlands, France, Canada, Belgium, Germany, Russia, Japan, Australia, Spain, South Africa, and, most recently, in China in 2005. The North America meetings were held in Gatlinburg, Tennessee, USA in 1963; Toronto, Canada in 1977: and Denver, Colorado, USA in 1983. The ISEC 2008 will be held in Tucson, Arizona, USA, from 15-19 September 2008 and promises to continue the high standard

set by these triennial meetings. Eight major topics that will be covered which will have multiple sessions are: Fundamentals; Novel Reagents, Materials, and Techniques; Nuclear Fuel Reprocessing; Hydrometallurgy and Metals Extraction; Analytical Applications; Biotechnology, Pharmaceuticals, Life-Science Products, and Organic Products; Process Chemistry and Engineering; and Petrochemical Applications. Conference tours to mining, and nuclear, pharmaceutical and other industrial sites are planned. Interested participants can access the conference web site for further details at www.isec2008.org or send an email to isec2008@ecs.syr.edu. Abstracts will be due by end of August 2007; information about abstract submission is also available on the website.

Candidates for Vice-Chair

Silvia Jurisson, Professor of Chemistry, University of Missouri, has a research program focused in the areas of radiopharmaceutical science (imaging and radiotherapy applications) and radioenvironmental chemistry (primarily Tc-99). Her research is funded by the DOE and the NCI. She received her BS in Chemistry from the University of Delaware and her PhD in Chemistry (specializing in inorganic chemistry of Tc-99) from the University of Cincinnati under the mentorship of Ed Deutsch. She held postdoctoral fellowship positions with Professors W. Greg Jackson (University of New South Wales, DUNTROON) and Alan M. Sargeson (Australian National University) in Canberra, Australia in the area of inorganic reactions and mechanisms, and with Professor Dave Troutner (University of Missouri) in radiochemistry. She spent 5 years in industry in the Radiopharmaceutical Research Department at Squibb and Bristol-Myers-Squibb in New Brunswick, New Jersey before joining the faculty at the University of Missouri in 1991. She has more than 85 peer-reviewed publications, and has directed 27 graduate students, 20 MU undergraduate students and 6 postdoctoral fellows. She is on the Editorial Boards of *Nuclear Medicine and Biology* and the *Journal of Radioanalytical and Nuclear Chemistry*. She has served as an Alternate Counselor for the ACS Nuclear Chemistry and Technology Division (2002-2006), on the Diagnostic Imaging Study Section of the NIH (1999-2003), the Nuclear Energy Research Advisory Committee (NERAC) of the DOE (2002-2006), and is a member of the Board of Directors for the Society for Radiopharmaceutical Sciences (2006-present, elected). She has served as the Associate Chair for Graduate Studies in the Department of Chemistry (2003-2006) and is currently the Chair of the Campus Radiation Safety Committee (2001-present). She has attended the Nuclear Summer School at Brookhaven National Laboratory for the last several years for presentations in nuclear medicine applications or in the graduate school recruiting day sessions. She is a strong proponent of nuclear and radiochemistry education at the graduate and undergraduate levels, and is involved in the NSF-NIH funded REU program in Radiochemistry at the University of Missouri (Susan Lever, PI) as both a mentor and an instructor. Her background and experience in radiochemistry education and research, and working with and in several sub-fields of radiochemistry gives her a broad view of the issues important to the Nuclear Chemistry and Technology Division of the ACS.

Sherry J Yennello is a Professor of Chemistry and Associate Dean at Texas A&M University

B.S. (Chemistry) 1985, B.S. (Physics) 1986, Rensselaer Polytechnic Institute; Ph.D. 1990, Indiana University; Research Associate 1991-92, Michigan State University; Assistant Professor 1993-98, Associate Professor 1998-2002, Professor since 2002, Associate Dean since 2004, Texas A&M University. Nuclear Physics Program Director 2000-2002, National Science Foundation. Oak Ridge Associate Universities Junior Faculty Enhancement Awardee 1993, GE Foundation Faculty for the Future

Award 1993, NSF National Young Investigator 1994, TAMU Center for Teaching Excellence Scholar 1995, Sigma Xi National Young Investigator 2000, TAMU University Faculty Fellow 2000, Women's Progress Award, 2002. Member American Chemical Society, Sigma Xi, and Fellow American Physical Society. Research experience in nuclear reaction mechanisms and radioactive beams. Other interests include nuclear science education and equity in educational opportunities.

Candidates for Councilor

Lav Tandon joined Los Alamos National Laboratory in 1997 as a Technical Staff Member in the analytical chemistry group. He has a M.S. degree in Chemistry from the University of Roorkee (Currently Indian Institute of Technology) in India and a Ph. D. in Radioanalytical/Nuclear Chemistry under the supervision of Dr. W. D. Ehmann from the University of Kentucky in 1993. He did his postdoctoral fellowship at the National Institute of Standards and Technology (NIST) in the Nuclear Methods Group in Maryland from1993-94. He taught undergraduate chemistry as an instructor at University of New Mexico and Central New Mexico Community College respectively from 1995-1997. During this time he also served as technical consultant to the International Atomic Energy Agency. As a postdoctoral research associate, his research focused on analytical protocols for certification of Standard Reference Materials (SRM) using Instrumental Neutron Activation Analysis. He also analyzed reactor activation products from biological, geological and environmental samples. Prior to his current assignment at LANL, he devoted a couple of years at LANL providing environmental quality assurance (QA) and QC samples in support of both national and international performance evaluation and intercomparision programs to insure environmental compliance, TRU waste certification by LANL, and bioassay programs. Currently, at Los Alamos, he is a project and technical lead on nuclear forensics lab-wide team for "interdicted" and other special nuclear materials. These projects are supported by various US Federal agencies. He is also project and technical lead on a plutonium metal standards exchange program and process qualification of analytical chemistry in support of stockpile stewardship and various radiation chemistry projects related to heat sources, environmental programs, nuclear fuels, GNEP etc. The plutonium metal standards exchange program is critical to US DOE and many of the USDOE national laboratories and other partners. His current research and development projects include: nuclear particle signatures, radiochemistry and development of microdetectors/sensors for alpha, beta, and gamma-ray radiation, development of new analytical techniques (with emphasis on radionuclear chemistry) for actinide materials, radiation chemistry of actinides and other systems. He has over 50 publications to date.

He currently has collaborative projects with various international centers of excellence including universities (University of Notre Dame, University of Missouri, and Mississippi State University) in the field of radiochemistry, radiation chemistry

and activation chemistry. He is also the analytical chemistry focus area leader for the Joint Working Group (JOWOG) with Atomic Weapons Establishment (AWE) in United Kingdom. At LANL, he has mentored several students, postdocs, technicians and new staff members. Because of his involvement in various programs has received several commendations and achievement awards. He has been an organizer and session chair for the annual Symposium on Analytical Chemistry in Nuclear Technology in the ACS Nuclear Chemistry and Technology Division since 2004. He has been ACS member for 17 years. He is currently a member of American Nuclear Society. He also participates in community outreach programs at LANL.

Steven W. Yates, University of Kentucky, (yates@uky.edu). B. S. 1968, University of Missouri at Columbia; Ph.D. (Nuclear Chemistry) 1973, Purdue University; postdoctoral fellow, Argonne National Laboratory, 1973-75. Department of Chemistry, University of Kentucky, 1975-present; Professor 1985-present; Chair 2005-present. Sabbatical leaves: Gastwissenschaftler, Kernforschungsanlage Juelich, Germany, 1981; Guest Scientist, LLNL, 1989-90; Visiting Scientist, LANL, 1997/1998. National and international committees: DOE/NSF Nuclear Science Advisory Committee (NSAC),1990-93; NRC/NAS Committee on Nuclear and Radiochemistry, 1990-93; IOM/NAS Committee on Biomedical Isotopes, 1993-95; NRC/NAS Board on Chemical Sciences and Technology, 1999-2002; IUPAC Commission on Radiochemistry and Nuclear Techniques, 1998-2001, elected IUPAC Fellow, 2002; BNL High Flux Beam Reactor PAC, 1992-1998; LBNL 88-Inch Cyclotron PAC, 1994-1998; LANL GEANIE Detector Council, 1997-2000; LANL/LANSCE PAC, 2001-2003; Panel Rapporteur, Workshop on Transactinium Science, Oakland, 1990; IAEA Advisory Group on Low-Energy Accelerators in Elemental Analysis, Chiang Mai, Thailand, 1991; member of program and international advisory committees of various conferences; ACS Glenn T. Seaborg Award for Nuclear Chemistry, 2006. Editorial Advisory Board member and Reviews Editor, *Journal of Radioanalytical and Nuclear Chemistry*, 1993-2003; co-editor of 5 special issues. Member of ACS, APS, Alpha Chi Sigma, Sigma Xi. **Local ACS (Lexington) Section activities**: Chairman, 1985; Councilor, 1987-89; Nominating Committee, 1987 (Chairman), 1997; Program Chairman, 1984; Social Chairman, 1978; Bylaws Committee, 1996; Alternate Councilor, 2005-2007. **Division of Nuclear Chemistry and Technology activities**: Chairman, 1992; Executive Committee, 1990-93, 1995-2003; Executive Committee, Member-at-Large, 2004-06; Program Committee, 1991-93 (Chairman, 1991); Committee on Training of Nuclear and Radiochemists, 1981-1989; Subcommittee on Undergraduate Awards, 1981-88 (Chairman 1983, 1986-88); NSAC Liaison Committee, 1990-93 (Chairman, 1990-93); Nominating Committee, 1993-95 (Chairman, 1993); Publications Committee, 1994-98 (Chairman, 1994-98), Nuclear Chemistry Summer School Selection Committee, 1994-97 (Chairman, 1997), Councilor, 1995-2003; Co-organizer of 5 divisional symposia. **ACS National service:** Committee on Meetings and Expositions, 1996-2002; Committee on Science, 1999-2007; Canvassing Committee, Glenn T. Seaborg

Award for Nuclear Chemistry, 2000-2003 (Chairman, 2003). **Research interests**: Nuclear spectroscopy, nuclear structure from radioactive decay and in-beam reactions, collective and multiphonon excitations, neutron-induced reactions and neutron scattering, nuclear lifetime measurements.

Candidates for Secretary

W. Frank Kinard, Professor of Chemistry, College of Charleston; kinardf@cofc.edu. BS from Duke U., 1960; Ph.D. in Analytical Chemistry from U. South Carolina, 1968. US Atomic Energy Commission Post-Doctoral Fellow, Florida State, 1968-70; Research Associate in Chemical Oceanography, U. Puerto Rico, 1970-72; Asst./Assoc./Prof., College of Charleston, 1972-present; Department Chairman, 1983-89. Summer positions and sabbaticals: Summer, Savannah River Laboratory, 1965-67; Visiting Scientist, Duke U. Marine Laboratory, 1975; Senior Research Scientist, Oak Ridge National Laboratory, 1978-79; Guest Scientist, Lawrence Livermore National Laboratory, 1983-89; Visiting Scientist, Savannah River Technology Center, 1990-94,1997-98; Visiting Scientist, Savannah River Ecology Laboratory, U. Georgia, 1995-96. Chairman, South Carolina Section of ACS, 1981-82. DNCT activities; Secretary 1996-2001; Lecturer, Nuclear Summer School at San Jose State U., 1997-98, Director, Nuclear Summer School at San Jose State U., 1999-pres. Research interests: ICP-MS analyses applied to high level wastes; environmental chemistry; lanthanide/actinide solution chemistry.

Alice Murray is the manager of the Actinide and Chemical Technology Section in the Savannah River National Laboratory. She is responsible for research and development efforts to support the Savannah River Site stabilization efforts of legacy materials and other Department of Energy (DOE) initiatives/sites (e.g., Global Nuclear Energy Partnership). She earned her Ph.D. degree in Physical Chemistry from the University of Arizona in 1982 and her B.A. degree in Chemistry from Mount Holyoke College in 1975. Upon receipt of her advanced degree, she held two post-doctoral positions: one position at the University of Kansas and the other position at the University of Texas at Dallas. In 1987 she started to work for the Rocky Flats Plant in the research and development organization that supported the RFP plutonium recovery and purification processes. In 1996 Dr. Murray started to work at the Savannah River National Laboratory to support chemical processing of plutonium and uranium at the Savannah River Site. While at the Savannah River National Laboratory, Dr. Murray has participated in several DOE initiatives. She was manager of the DOE Environmental Management Nuclear Materials Focus Area Materials Processing Product Line and had oversight of projects at the Fernald Site, the Idaho National Engineering and Environmental Laboratory, the Pacific Northwest National Laboratory, and the Savannah River Site. She participated on committees to resolve technical issues that affect the DOE Complex including the Baseline Evaluation Team for the recommendation of the plutonium

purification/ recovery process for the Modern Pit Facility project and two DOE EM Technical Assistance teams to review processing options for chloride-containing materials at the Rocky Flats Environmental Technology Site and at the Hanford Site. Other positions include the SRS representative to the United States/United Kingdom Joint Working Group for Nuclear Materials Steering Committee and to the Actinide Separations Conference Board.

Candidates for Treasurer

Leonard Mausner , Education: BS Chemistry MIT, PhD Chemistry Princeton University;
Professional Experience: Director's Fellow Los Alamos National Lab 1975-77, Assistant Scientist Argonne National Lab 1978-1981, Associate Scientist, Scientist, Senior Scientist Brookhaven National Lab 1982-present;
ACS/DNCT service: ACS Canvassing Committee for Nuclear Chemistry 1988-1991, DNCT Program Advisory Committee 1983-85, DNCT Symposia organized 1985, 2003, DNCT Treasurer 2005-2007.

Lætitia H. Delmau was educated at the Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris, France (Engineer degree, Chemistry, 1994), the University of Paris VI, France (M.S., Radiochemistry, 1994), and the University Louis Pasteur of Strasbourg, France (Ph.D., Physical Chemistry, 1997). She conducted her graduate studies at the French Atomic Energy Commission center of Cadarache, France studying the separation of trivalent actinides from lanthanides, from which she has 2 patents. She held a post-doctoral position for three years at Oak Ridge National Laboratory (ORNL) in the Chemical Separations Group. In 2000 she became a permanent staff member at ORNL specialized in solvent extraction, thermodynamics and, nuclear waste treatment. In the ACS, she has been a member of the Industrial and Engineering Chemistry (I&EC) Division and of the Nuclear Chemistry Division for 10 years, and is currently serving as treasurer of the Separation Science and Technology Subdivision of the IE&C and the Newsletter editor of DNCT.