NCRP Goals and Challenges for the Year 2009

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President

Staff Meeting
April 14, 2009
Retrospective View of 2008

Overall a good year:

• Issued Strategic Program Plan for 2008-2010


• Two peer reviews completed for DTRA sponsor

• New projects initiated [SC 1-16, 4-3, and 4-4]
2008 Publications

• **Report No. 159: Risk to the Thyroid from Ionizing Radiation**
  (SC 1-8; Chairman: Henry D. Royal)

• **Report No. 161: Management of Persons Contaminated with Radionuclides (two volumes)**
  (SC 4-1; Chairman: William J. Bair)
Other 2008 Reports

- **Peer Review for DTRA Sponsor: Skin Doses from Dermal Contamination**
  (SC 6-6; Chairman: Thomas F. Gesell)

- **Peer Review for DTRA Sponsor: Evaluation of Inhalation Doses in Scenarios Involving Resuspension by Nuclear Detonations at the Nevada Test Site**
  (SC 6-7; Chairman: Randall W. Caswell)
Proceedings of 43rd Annual Meeting


2008 Annual Meeting

- 44th Annual Meeting on *Low Dose and Low Dose-Rate Radiation Effects and Models* was well attended and highly successful

- Nearly all of the participants have submitted papers for publication of the proceedings in *Health Physics*

- All papers will be submitted to the journal before the end of May for publication in the November 2009 issue
2009-2010 NCRP Annual Meetings

• 45th Annual Meeting on *Future of Nuclear Power Worldwide: Safety, Health and Environment* was well attended and highly successful

• Thank you for the great efforts by NCRP staff!

• Planning for the 46th Annual Meeting on *Communication of Radiation Benefits and Risks in Decision Making* is underway (Chairman, Program Committee: Paul A. Locke)

• Meeting will be held March 8-9, 2010 at Hyatt Regency Bethesda Hotel
NCRP Publications Website and Electronic Publications

• Publications website ([http://NCRPpublications.org](http://NCRPpublications.org)) launched on January 24, 2005

• Through the end of 2008, website had 357,836 visitors and 8,740,973 hits

• International visitors have represented about one-sixth of the total
Expanding Worldwide Access to NCRP Publications

• NCRP formed a partnership agreement in 2007 with Knovel Corporation, a leading provider of research and information services

• Knovel provides an interactive database to search, analyze, and manipulate data from NCRP publications

• NCRP has also formed contract agreements with NetLibrary (2007) and Ebrary (2008) to increase worldwide access to NCRP’s electronic publications
Goals for Publications in 2009

• **Report of SC 6-2:** *Ionizing Radiation Exposure of the Population of the United States* (prepublication version released on March 3, 2009 at NCRP Annual Meeting; final publication as Report No. 160 scheduled for this Spring)

• **Report of SC 1-13:** *Impact of Individual Susceptibility and Previous Radiation Exposure on Radiation Risk for Astronauts* (responses being prepared to contingent Council voter comments)
Goals for Publications in 2009 (cont.)


- **Report of SC 6-3: Uncertainties in Internal Radiation Dosimetry** (being revised in response to comments of contingent Council voters)
Plans for Council Review of Other Reports

• Two reports have been through PAC reviews, and will enter Council review in 2009:
  -- **Report of SC 6-4**: *Principles and Practices of Radiation Dose Reconstruction* (will be submitted to Council for review in May 2009)
  -- **Report of SC 4-2**: *Population Monitoring and Decontamination Following a Nuclear or Radiological Incident* (will be submitted to Council for review by Summer 2009)
Status of Active Committees in 2009

- **SC 1-15:**
  Radiation Protection and Science Goals for Short-Term Lunar Missions
  (fourth draft of commentary in preparation for SC and PAC 1 review)

- **SC 1-16:**
  Uncertainties in the Estimation of Radiation Risks and Probability of Disease Causation
  (Committee established in 2008 and held first meeting in March 2009)
Status of Active Committees in 2009 (cont.)

- **SC 1-17**: Second Cancers and Cardiopulmonary Effects After Radiotherapy (Committee has met twice since 2007 and report is in mid-drafting stage)

- **SC 2-2**: Key Decision Points and Information Needed by Decision Makers in the Aftermath of a Nuclear or Radiological Terrorism Incident (draft report has been completed and is being refined in preparation for PAC review)
Status of Active Committees in 2009 (cont.)

- **SC 2-3**: Radiation Safety Issues for Image-Guided Interventional Medical Procedures (draft of report in preparation for PAC review)

- **SC 4-3**: Diagnostic Reference Levels in Medical Imaging: Recommendations for Application in the United States (Committee established in 2008 and held first meeting in March 2009)
Status of Active Committees in 2009 (cont.)

- SC 4-4: *Risks of Ionizing Radiation to the Developing Embryo, Fetus and Nursing Infant* (Committee formed in 2008 and held second meeting in March 2009)
Major Challenges in 2009 and Beyond

- NCRP has received a major new 5 y contract from DTRA on *Analyze Radiation Health Protection Aspects of DTRA’s Active Detection Technology (ADT) Program for Nuclear and Radiological Threat Materials*
  -- Years 1 and 2 (FY ’09 and ’10): prepare two commentaries on basic radiological protection needs for ionizing radiation detection systems, including ADTs
  -- Years 2 through 5 (FY ’10 to ’13): prepare four reports on health protection guidance for ADTs of primary interest to DTRA and its contractors
Major Challenges in 2009 and Beyond (cont.)

• Major long-term strategic initiative is to publish a definitive report on *Biological Effects of Low Radiation Doses and Implications for Human Health*; goal is to obtain multi-agency sponsorship for report to be prepared in 2011-2016 timeframe

• As a follow-up to the 2008 Annual Meeting, a workshop with 30 participants was held on December 1-2, 2008 to develop the framework for NCRP’s proposal

• Dr. William F. Morgan, a member of Council and Vice President for PAC 1, is leading this effort as Chairman
Major Challenges in 2009 and Beyond (cont.)

- NCRP will conduct a workshop followed by preparation of a consensus paper in 2009 on appropriateness guidelines for applications of computed tomography in emergency departments.
- This effort is being cosponsored by four organizations and two federal agencies (AAPM, ACEP, ACR, Landauer, CDC and EPA)
- Planning group conducted a WebEx teleconference on February 25 to develop the workshop agenda (1.5 d in Bethesda) and a list of candidate speakers and observers
Major Challenges in 2009 and Beyond (cont.)

• NCRP’s contract with DTRA for technical and administrative support of the Veterans’ Advisory Board on Dose Reconstruction (VBDR) will end on September 15, 2009
• Continuation of VBDR support will be through an award to a DTRA ID/IQ (indefinite delivery/indefinite quantity) contract with one of five current contractor organizations
• NCRP plans to form subcontract agreement with ID/IQ contractor to continue current VBDR support
Major Challenges in 2009 and Beyond (cont.)

- NCRP is planning to establish a new *Training and Education Program*
- Primary goal is to use NCRP reports, especially new ones of broad interest, as a basis for training in areas related to radiation protection and measurements
- Planning Committee, of which Dr. S.-Y. Chen is Chairman, has been formed and will complete the development of a set of strategic program objectives and a business plan in 2009 for review and approval of the Board of Directors
NCRP Financial Position and Strategic Goals

- NCRP remains financially strong, even though poor U.S. market performance in 2008 led to unrealized investment losses and a decrease in net assets for the first time in the last 6 y
- Progress was made in 2008 toward obtaining long-term support for new work in several important areas of radiation protection and measurements
- Cost saving measures are being actively evaluated (e.g., publishing proceedings of annual meeting, lease renewal for office space)
NCRP Financial Position and Strategic Goals (cont.)

- Strategic efforts will continue toward meeting the goal of stable, long-term funding for new NCRP work in radiation protection and measurements related to homeland security, medicine, environmental protection, advanced nuclear power technology, and public and occupational radiation exposures.
2009 – Looking Forward

• Several major challenges have been met in 2008 and more lie ahead in 2009, but I am confident that NCRP can meet them successfully!

• Thank you again for your dedicated efforts in advancing the work and outstanding reputation of NCRP!