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# **NCRP Goals and Challenges for the Year 2009**

**Thomas S. Tenforde**  
*President*

**Staff Meeting**  
**April 14, 2009**

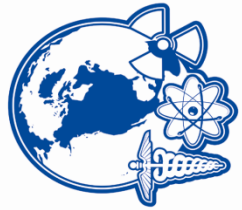
# Retrospective View of 2008



*Overall a good year:*

- **Issued Strategic Program Plan for 2008-2010**
- **Three publications [Report No. 159, Report No. 161, and Proceedings of 2007 Annual Meeting in *Health Physics*]**
- **Two peer reviews completed for DTRA sponsor**
- **New projects initiated [SC 1-16, 4-3, and 4-4]**

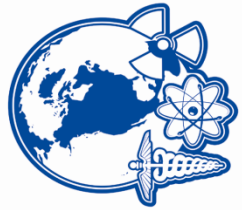
# 2008 Publications



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- **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



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- **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



ICRP

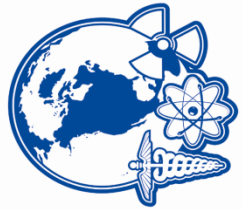
- **2007 Annual Meeting: *Advances in Radiation Protection in Medicine***  
(Chairman: Jerrold T. Bushberg)  
published in *Health Physics* **95**(5), 461-657  
(2008)
- **31st Lauriston S. Taylor Lecture:**  
Patricia W. Durbin, *The Quest for  
Therapeutic Actinide Chelators*, published  
in *Health Physics* **95**(5), 465-492 (2008)

# 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**

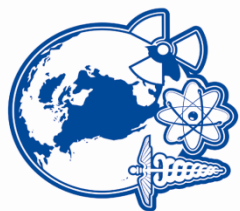
# 2009-2010 NCRP Annual Meetings



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- **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



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- **Publications website (<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)

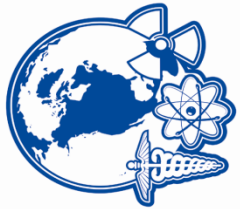
# Goals for Publications in 2009 (cont.)



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- **Report of SC 2-4: *Self-Assessment of Radiation Safety Programs* (in Council review until April 17, 2009)**
- **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



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- **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.)



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- **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



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- **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.)



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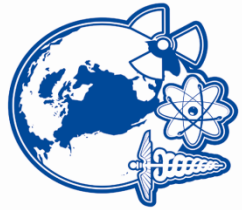
- Major long-term strategic initiative is to publish a definitive report on *Biological Effects of Low Radiation Doses and Implications for Human Health*; goal is to obtain multi-agency sponsorship for report to be prepared in 2011-2016 timeframe
- As a follow-up to the 2008 Annual Meeting, a workshop 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.)



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- **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.)



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- **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



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- **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



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- **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!**