



Conference of Radiation Control Program Directors, Inc.

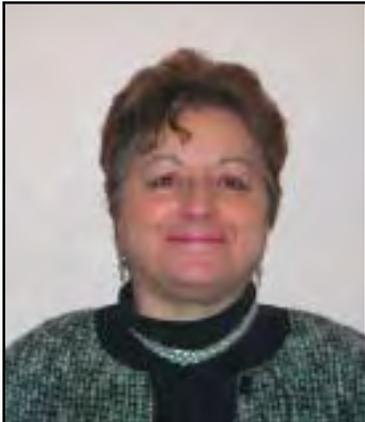
# NEWSBRIEF

[www.crcpd.org](http://www.crcpd.org)

A Partnership Dedicated to Radiation Protection

December 2009

## Message from Chairperson Adela Salame-Alfie, Ph.D.



### Greetings everybody,

As you probably know, to be able to keep up with all the activities going on at CRCPD, and in order to stay current with upcoming issues, the Board of Directors meets every month. All but two of the meetings are via conference call. For two of those months we meet in person, once in the spring, in conjunction with the annual meeting, and the second time in the fall. Our fall meeting took place in November in Frankfort, Kentucky. We picked to meet in Frankfort so we could have an opportunity to visit the new office and interact with the staff from the Office of the Executive Director (OED). For those of you that haven't attended a Board meeting, I hope that my sharing some of what we discussed will entice you to be more involved in CRCPD activities and perhaps run for a Board position (or at least volunteer in some of our wonderful committees).

### Inside

|  |    |
|--|----|
| Message from Executive Director .....                    | 3  |
| EPA's Corner .....                                       | 5  |
| Remembering Thomas M. Gerusky .....                      | 7  |
| Jeggan Cole is New Radon Program Manager .....           | 11 |
| Helpful Tip.....   | 11 |
| Delaware - Radiation Protection Professionals Week ..... | 12 |
| Washington Testing Handheld Dental X-Ray Devices.....    | 13 |
| Radon Leadership Initiative Mini-Grants Awarded.....     | 13 |
| Working Group Activities                                 |    |
| H-13 Report .....  | 14 |
| E-5 Report.....  | 20 |
| Council Reports  |    |
| ENC.....   | 21 |
| GC.....  | 23 |
| HAC.....   | 24 |
| HS/ERC.....  | 29 |
| SRC .....  | 32 |
| Contact Information on Board Members .....               | 35 |

The format for the Board meetings is pretty much the same every month, except that the topics for discussion change (though sometimes we discuss the same topic several months). During each Board meeting we get an update from our federal partners, followed by an update from all the council chairs reporting on the work of the various committees. During the fall meeting we also review and approve our budget, paying special attention to our expenditures and upcoming requests for funding. We then go over the topics of the month or anything that requires lengthy discussions, and finally we get to listen to invited reports from the

## Chairperson's Message

*[Continued]*



Organization of Agreement States and our Radiation Protection Advisory Council members.

Following the fall Board meeting, some of us stay an extra day to do the initial planning of the annual meeting. So, as you can see, we spend three or four days of 'quality time' (with lots of chocolate) in a meeting room trying to make sure we are where we want to be, or that we correct course where needed. So please, make sure your committee chairs and council chairs are aware of your accomplishments as well as your needs... Trust me, we listen.

Speaking of listening to the reports from the council chairs, I can tell you that I am very pleased to hear about all the wonderful work that the committees and task forces are doing. I am also impressed by the impact that we, as an organization, have in the field of radiation protection and how are committees are already tackling some of the hottest issues. To me, that's the biggest source of pride and I want to thank each and every one of you for your volunteer contributions. Within each Council there is an "Emerging Issues" committee, and their role is to stay tuned to upcoming issues and advise us if there is a need to create a new task force or committee. If you would like to know what committees are currently active, go to our website. We are looking for volunteers in some of them and we can always use additional 'advisors'.

I am very excited about our upcoming annual meeting in Rhode Island, and I hope that we can get support from our state agencies to participate and send staff. We received many good

## Chairperson's Message

[Continued]

abstracts and we are looking to another high-level, interesting meeting. The theme for the meeting is "Opportunities and Innovations in Radiation Protection." Also, we are planning several training sessions to address many program needs, in particular in mammography, x-ray and radon. This is especially important as we see our very experienced staff retire and replaced with very excited and enthusiastic but not-so-experienced staff. We want to make sure we provide training to help us maintain the level of competency needed to do our jobs. So stay tuned for more details on our upcoming annual meeting and training courses.

I'd like to use our *Newsbrief* to highlight some of the updates that were provided by our federal partners, and in this issue some of the information provided by Mary Clark from the Environmental Protection Agency (EPA) is highlighted in an article called EPA's Corner. The complete report is available on our website.

As you can see, we've been busy, but having fun.



## Greetings from Your Executive Director



Ruth E. McBurney, CHP

### It's Time to Plan Ahead

At the end of December each year, folks start thinking about what's gone on in the past year and what's possible for the new year. We write resolutions, hoping to do better in certain areas, such as to smile or exercise more or drop a bad habit.

Likewise, organizations do something similar, but it's called strategic planning. Simply put, strategic planning determines where an organization is heading, how it's going to get there, and how it will know if it has arrived.

Every five years, CRCPD reviews, revises (as needed) and re-establishes its strategic plan. This coming year, 2010, is the year for that five-year review. Over the next few months, the Board of Directors will be reviewing the current plan, which can be found on the CRCPD web site at <http://www.crcpd.org/OrgOp/StrategicPlan.htm>. Currently, we have five major goals, with objectives for achieving the goals under each one. The goals are as follows:

- Produce radiation protection solutions that meet community needs.
- Assist states with improving tools.
- Promote an active, energized membership.

## Greetings from Your Executive Director

*[Continued]*

- Assure sound fiscal and organizational management of CRCPD.
- Enhance profile of organization.

Recommendations will be made at the annual meeting in Newport, Rhode Island, in April for any changes or for reaffirmation of the plan. Although the basic goals have not changed much over the years, progress and growth as an organization have provided opportunities to change the objectives. Also, outside influences, such as greater emphasis on homeland security, radiation protection impacts of high dose rate imaging and therapy modalities, and economic changes, will affect the direction that CRCPD needs to travel over the next five years. During the planning process, we can make a few small moves that will keep CRCPD doing things right and heading in the right direction. "That's the way we've always done it" may not be appropriate for some of the new challenges and opportunities we may face in the next five years.

We also need the input of our members to have a good planning process and subsequent revised or reaffirmed plan. If you have any ideas for making improvements or changes, please send them to me, and I will make sure the Board receives your comments. The topic of this year's Members Forum at the annual conference will be Strategic Planning for CRCPD, at which further discussion and comments will be obtained. At the second business meeting, the resulting strategic plan will be approved.

Of course, just as important as the plan is the implementation of the plan. Since we depend on a lot of volunteers from the membership to take the actions needed for keeping CRCPD moving in the right direction and at a decent speed, we want to keep that momentum going by obtaining your feedback on how to make things better. I truly appreciate your loyalty and commitment to CRCPD and look forward to working with you in strategizing and taking actions that will assist state programs and provide leadership in radiation safety and education.

Best wishes for a happy holiday season and for the coming new year.





## EPA's Corner

The following updates were provided by Mary Clark from the Environmental Protection Agency at the fall CRCPD Board meeting:

- The 20th National Radon Training Conference will be in Columbus, Ohio, during October 2010.
- CRCPD is offering \$2,000 mini-grants to enhance local radon program capacity. In partnership with their state radon programs, up to three communities will receive one-year grants intended to expand or strengthen an existing program element such as data collection, outreach communication, or building/house diagnostics.
- The winning video from EPA's 2008 Test, Fix, Save a Life video contest, Eddie's Story, is now available as a TV kit on [www.EPAPSA.com](http://www.EPAPSA.com). A print ad, web banners, and several video formats for online streaming are also available to download. Please encourage local media to share Eddie's Story during January, National Radon Action Month.
- Laboratory Capacity Pilot Program: EPA recently put in place this pilot program to enhance U.S. radiological emergency response laboratory capacity. We awarded cooperative agreements to four state radiation laboratories to enhance their radioanalytical response capability. Laboratories in Connecticut, Texas, Kansas and Washington received the grants. This program is the radiological parallel to the chemical warfare agent (CWA) laboratory pilots that EPA sponsored in partnership with DHS. The pilot program begins to address the shortfall in lab capacity by upgrading radiological laboratory capabilities. Each pilot will close the gap in the nation's radiological laboratory capacity by five percent, and the plan is to enroll additional labs in the program as funding becomes available.

Radiation-Related Publications (they can be found at [www.epa.gov/radiation](http://www.epa.gov/radiation))

- Historical Uses of RadNet Data (EPA-402-R-08-007)
- Ionizing Radiation Fact Book (EPA-402-F-06-061) (<http://www.epa.gov/radiation/docs/402-f-06-061.pdf>)
- Radiation Risks and Realities (EPA -402-K-07-006). This booklet describes the sources of exposure to radiation, its beneficial uses, and its risks. It also briefly describes the radiation protection responsibilities of various federal agencies. It is intended for the general public. (<http://www.epa.gov/radiation/docs/402-k-07-006.pdf>)
- RadTown USA is a virtual community showing a wide variety

**EPA's Corner***[Continued]*

of radiation sources and uses as you may encounter them in everyday life. It now offers games to test your knowledge about radiation topics. The site is at: <http://www.epa.gov/radtown>.

- Incident Response Guides: These four documents describe the likely analytical decision paths that would be required by personnel at a radioanalytical laboratory following a radiological or nuclear incident, such as that caused by a terrorist attack. Descriptions of each follow.
  - » Radiological Laboratory Sample Analysis Guide for Incidents of National Significance – Radionuclides in Air (EPA 402-R-09-007 June 2009 [www.epa.gov/narel](http://www.epa.gov/narel))
  - » Method Validation Guide for Qualifying Methods Used by Radiological Laboratories Participating in Incident Response Activities (EPA 402-R-09-006 June 2009 [www.epa.gov/narel](http://www.epa.gov/narel))
  - » Radiological Laboratory Sample Screening Analysis Guide for Incidents of National Significance (EPA 402-R-09-008 June 2009 [www.epa.gov/narel](http://www.epa.gov/narel))
  - » Radiological Laboratory Sample Analysis Guide for Incidents of National Significance - Radionuclides in Water (EPA 402-R-07-007 January 2008 [www.epa.gov/narel](http://www.epa.gov/narel))

**Radiation-Related Training:**

- Communicating Effectively During Radiological Emergencies Training: The Communicating Radiation Risks: Crisis Communications Guide (Guide) for use by emergency responders and State and local officials during a radiological emergency was published in September 2007 (EPA-402-F-07-008). To accompany the Guide, ORIA has developed training (2 hours, 4 hours, 1 day) for emergency responders, State and local officials on communicating effectively during radiation emergencies. (Training on message mapping is also available.) If you are interested in having ORIA provide this training, please e-mail [radiation.information@epa.gov](mailto:radiation.information@epa.gov) or call ORIA's Radiation Protection Division at (202) 343-9290. This Guide was developed especially for responders and government officials communicating with the public and the media - or advising those who do - during the early critical moments of a radiological emergency. For more information or to get a copy of the Guide, please use the e-mail address or telephone given above.
- Responsible Management of Tritium EXIT Signs Training: EPA has developed an online training course providing

**EPA's Corner***[Continued]*

detailed instructions on best practices for the handling and disposal of tritium exit signs in response to the lack of awareness on the part of facility owners, management, and maintenance personnel. The training is available online at [www.trainex.org](http://www.trainex.org) (search for "Tritium").

- **Training for Scrap Metal Workers:** The CD ROM training program, entitled "Response to Radiation Alarms at Metal Processing Facilities," is designed to prevent unwanted radioactive material (orphan sources) from entering scrap metal processing. To obtain a copy the training CD, contact us by e-mail, [radiation.information@epa.gov](mailto:radiation.information@epa.gov), or by phone (202) 343-9290
- **Training for Demolition Contractors:** Most of the radiation sources showing up at scrap metal facilities come from industrial demolition sites. Industrial gauges and devices containing radioactive sources frequently require little or no maintenance and are long lasting. As a result, they are often forgotten, perhaps painted over, and unknown to demolition contractors. To help demolition contractors prevent their entry into the scrap metal supply, EPA and the National Demolition Association have developed a training CD, Identifying Radioactive Sources at the Demolition Site. The course shows contractors how to identify and secure radioactive gauges and devices for proper disposal. To obtain a copy of the training CD, contact us by e-mail, [radiation.information@epa.gov](mailto:radiation.information@epa.gov), or by phone (202) 343-9290.



## Remembering Thomas M. Gerusky



The health physics community lost a good friend and colleague when Thomas (Tom) M. Gerusky passed away on December 5, 2009, at age 74.

Blessed with a quick mind, Tom combined a highly technical education, practical experience, keen interpersonal skills, and sense of humor, with a keen understanding of government policy issues, into a wonderful combination that especially benefited

## Remembering Tom Gerusky

*[Continued]*

Pennsylvania. He gained a great deal of respect and admiration for his leadership through often very difficult and demanding years. He leaves behind one of the most comprehensive and respected state radiation control programs, and an extraordinary, wide circle of friends and colleagues who will long remember his friendship and collegiality.

He holds an important place in CRCPD's history. Tom is considered to be one of the distinguished "founding fathers" of the organization. From 1966 through 1968 he chaired a steering committee to explore the possibility, funding, and sponsorship of a national radiation control organization. He worked with a few other program directors to develop the framework (constitution and bylaws) for the Conference of Radiation Control Program Directors and to secure funding from the Department of Health, Education and Welfare's National Center for Radiological Health to hold the first National Conference on Radiation Control. He was elected as temporary Chairperson even before the organization was formalized, then served as Chairperson from the formation in 1968 until the annual meeting in 1970.

Tom, a native of Fort Edward, New York, had a varied, amazing career. After graduating from Union College in 1956, he attended the University of Rochester, New York, as an Atomic Energy Commission (AEC) Fellow. He joined the health physics staff at the Brookhaven National Laboratory graphite reactor and then moved to New Jersey to become radiation safety officer at E.R. Squibb & Sons. He left to head the fledgling Pennsylvania radiation control program, then a section in the Department of Health's Division of Occupational Health, where he worked to enhance the professional status of health physicists and state radiological health programs.

There is a blessing (some say a curse), "May you have an interesting life." It must have been bestowed on Tom when he came to Pennsylvania. He arrived on September 6, 1961, just five days after the Russians had broken the moratorium on atmospheric testing of nuclear weapons. In short order, he was on television as the state's radiation protection expert to discuss fallout. By 1962, the state's ancient single channel gamma spectrograph had been replaced by a multi-channel unit and additional equipment was secured to expand the state's environmental radiation monitoring.

In the 1960s, in response to repeated reports of accidental exposures to analytical x-rays that led to serious injuries, under Tom's direction Pennsylvania developed the first state regulations

## Remembering Tom Gerusky

*[Continued]*

to improve safety for these users. Work continued in this area through the 1970s, and Pennsylvania Bureau staff were featured in the FDA's x-ray diffraction unit safety film "Double Edge Sword."

In 1962, the U.S. Public Health Service Bureau of Radiological Health (USPHS/BRH) informed the state about a former radium processing plant in a house in Lansdowne, Pennsylvania. Tom conducted the first (and very preliminary) radiation survey. He returned to Harrisburg astonished at what he found—for example, 1 rad per hour over the drain opening of the basement laundry tub in a residence! The house, half of a duplex (the other half was later found also contaminated), was decontaminated in the '60s, and the whole neighborhood eventually came under the Superfund in the 1980s.

In 1967, three workers were accidentally exposed to life threatening levels of ionizing radiation in the target area of a research accelerator in western Pennsylvania; whole body (WB) doses were estimated at 600, 300 and 100 rad. The worker with the highest WB exposure received massive exposures to his extremities, eventually resulting in quadruple amputations. He lived because of a bone marrow transplant from his twin brother! In response, all of the other accelerators in the state were surveyed. The survey findings led to regulations specific to accelerator safety, Pennsylvania becoming the first state to do so.

In 1969, a broken molybdenum-99/technetium-99m "cow" arrived at Harrisburg Polyclinic Hospital. The cow had been damaged while en route in a passenger airplane. An otherwise fine spring evening was spent by radiological health staff (Margaret [Maggie] Reilly and Joel Lubenau) at Harrisburg airport surveying and decontaminating cargo from the plane. At the hospital, Tom supervised decontamination of the hospital's hot lab.

The Pennsylvania Radiological Health program's administrative structure was evolving under Tom's leadership. Regional offices were opened. "Rad Health" was reorganized as an independent Office of Radiation Protection, then transferred to the newly created Department of Environmental Resources (now Environmental Protection) in the early 1970s as the "Bureau of Radiation Protection."

Today, "TMI" is often quipped to mean "too much information." In 1979, it meant the accident at the nuclear power plant operated by Metropolitan Edison Company on Three Mile Island,

## Remembering Tom Gerusky

*[Continued]*

south of Harrisburg on the Susquehanna River. Tom Gerusky, Bill Dornsife and Maggie Reilly were in forefront of the state's response. Twenty years after the accident, Tom was interviewed and asked for his recollections. He remembered getting a 7 AM telephone call from Bill Dornsife on March 28, 1979, about an event at TMI, with Bill noting... "It's a biggie!" For the next 30 days, his administrative and technical staff (as well as much of the Department of Environmental Resources and other agencies) worked 24/7. Tom recalled, "It became a team effort and continued to be a team effort through the cleanup." A lesson learned was the value of the state Bureau of Radiation Protection at the site in the form of a nuclear engineer familiar with the facility and its operations.

By the beginning of the 1980s things seemed to be quieting down (relatively). But, in December 1984, the Limerick nuclear power station reported a worker came to work contaminated. Investigation and analysis revealed the contamination was radon decay products, and was traced back to his home, with some areas as high as 2,600 picocuries per liter of Rn-222. That was the beginning of a national recognition that indoor radon could be a problem. Again, the Pennsylvania Bureau of Radiation Protection had a lead role in assessing the problem and developing radiation protection recommendations.

In 1992, Tom took advantage of an early retirement offer from the state but continued his health physics career. He moved to the Washington, D.C. area to take a position with the Department of Energy (DOE) environmental management program. Tom worked for the Office of Southwestern Area Programs, which was tasked with leading the cleanup of nuclear materials for the Rocky Flats Colorado site, the Nevada Test Site, the Pantex Texas site, the Mound Ohio site and the Pinellas Florida site. At the peak of activities, the Office was responsible for an annual budget of \$712 million. Tom developed policy and guidance for the treatment, storage and disposal of waste, and the environmental restoration of nuclear materials and sites. With the policies in place, Tom provided technical oversight and review to ensure that the nuclear materials were remediated to a safe standard and that the work was done in a safe manner. DOE noted that "[his work] had an immediate and long term benefit to a large number of people who were exposed to these sites and materials. Although Mr. Gerusky did not have a long tenure at the Department of Energy, he was able to perform a significant amount of meaningful work during that period."

## Remembering Tom Gerusky

[Continued]

Tom will be long remembered for his sense of humor, fatherly guidance, and strong commitment to improving radiation safety in the Commonwealth of Pennsylvania.

*Requiescat in pace.* (May he rest in peace.)

Memorial donations may be made to the Pulmonary Education and Research Foundation at: PERF, Box 1133 Lomita, CA 90717-5133 Tel: (310) 539-8390 <http://www.perf2ndwind.org>



## Jeggan Cole joins CRCPD as the Radon Program Manager



Jeggan Cole is the newest employee at the Office of Executive Director. He replaces Curt Hopkins, who retired in September 2009. Jeggan recently completed his undergraduate studies at Kentucky State University with a double major in chemistry and computer science, and will begin graduate school in the spring.

Jeggan's duties will include managing the CRCPD radon program activities, providing staff support to the E-25 Committee on Radon, publishing the Radon Bulletin, and managing the radon related information that is posted by the Web Manager on the CRCPD web site's radon page and Radon Leaders Saving Lives (RLSL) web portal.

Jeggan can be reached via e-mail <[jcole@crcpd.org](mailto:jcole@crcpd.org)> or by phone at 502/227-4543, Ext. 2233.



## Helpful Tip



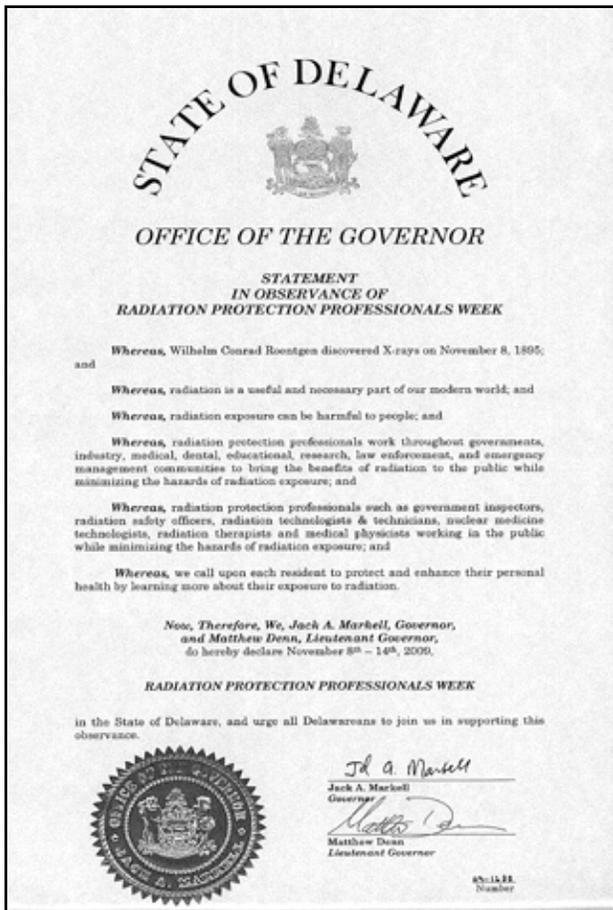
The U.S. National Library of Medicine and the National Institute of Health has a web site, [www.PubMed.gov](http://www.PubMed.gov), which lists over 19 million articles and their abstracts from refereed medical journals back to 1948.



# Delaware Celebrates Radiation Protection Professionals Week, Nov. 8-14



Left to Right: Robin Elliott, MS, Past-Chair, Authority on Radiation Protection; Frieda Fisher-Tyler, MHS, CIH, Administrator, Office of Radiation Control, CRCPD Director Member; Delaware Division of Public Health; William L. Holden, III, Chair, Authority on Radiation Protection, Administrative Director, Radiation Oncology, Christiana Care Health Systems; The Honorable Jack Markell, Governor, State of Delaware; Nouredine Melikechi, D. Phil. Vice-Chair, Authority on Radiation Protection, Acting Dean, Applied Optics Center & Dept of Physics, Delaware State University; Thomas V. May, REHS/RS, Section Chief, Health Systems Protection, Delaware Division of Public Health



### STATEMENT IN OBSERVANCE OF RADIATION PROTECTION PROFESSIONALS WEEK

*Whereas*, Wilhelm Conrad Roentgen discovered X-rays on November 8, 1895; and

*Whereas*, radiation is a useful and necessary part of our modern world; and

*Whereas*, radiation exposure can be harmful to people; and

*Whereas*, radiation protection professionals work throughout government, industry, medical, dental, educational, research, law enforcement, and emergency management communities to bring the benefits of radiation to the public while minimizing the hazards of radiation exposure; and

*Whereas*, radiation protection professionals such as government inspectors, radiation safety officers, radiation technologists & technicians, nuclear medicine technologists, radiation therapists and medical physicists working in the public while minimizing the hazards of radiation exposure; and

*Whereas*, we call upon each resident to protect and enhance their personal health by learning more about their exposure to radiation.

*Now, Therefore, We, Jack A. Markell, Governor, and Matthew Denn, Lieutenant Governor, do hereby declare November 8th - 14th, 2009,*

**Radiation Protection Professionals Week** in the State of Delaware, and urge all Delawareans to join us in supporting this observance.

## Washington Still Testing Handheld Dental X-ray Devices

By Mike Odlaug, MS, MPH  
(Washington Dept. of Health–  
X-ray)

The Washington State Department of Health is continuing its study of radiation safety of the new technology of hand-held, battery operated dental X-ray devices. After our initial testing of the Aribex Nomad, we have obtained and tested three more units of this kind:

- 1) The Dexcowin DX3000
- 2) The GenoRay PortX-II Zen
- 3) The Sigma Bio Ray PROX

We again attached dosimeters to a leaded apron, leaded glasses and thyroid shield and made hundreds of exposures on a phantom head, also corroborating those exposures with a Victoreen 451-P and an RTI Barracuda R100-B. We chose exposure times on each unit that gave around 130 mR exposure at cone tip, sufficient for either F-speed film or a digital detector. Results are not in yet.

One of these devices comes with a dough-nut shaped scatter shield placed on the cone, similar to the Nomad.



## Radon Leadership Initiative Mini-Grants Awarded

CRCPD has awarded four mini-grants for the Radon Leadership Initiative (RLI) 2010. Congratulations to the following state programs and their respective community partners:

- Kentucky Radon Program and the Kentucky Association of Radon Professionals
- Maine DHHS Radiation Control Program and the Maine Indoor Air Quality Council
- Illinois Emergency Management Agency and the Southern Illinois Radon Awareness Task Force
- Minnesota State Radon Program and Minnesota State University - Mankato

The Radon Leadership Initiative is designed to reduce radon risk reduction through creative approaches at the community level. As a component of the Radon Change Package, each RLI project encompasses five leadership concepts:

- Cultivate High-Performing Collaborations & Partnerships
- Build Local Infrastructure
- Design a Results-Driven Program

## Radon Mini-Grants

[Continued]

- Cultivate Effective Relationships with Industry
- Maximize the Impact of Outreach

Each project will be highlighted on [www.radonleaders.org](http://www.radonleaders.org) throughout the year. We are proud to support radon program growth through community action. Congratulations!



## CRCPD Working Group Activities



## Report on Alliance for Quality Medical Imaging and Radiation Therapy meeting

By Albert V. Orlandi (FL), H-13 ASRT/AART Liaison

Thank you for allowing me to represent the CRCPD at the Alliance for Quality Medical Imaging and Radiation Therapy (Alliance) meeting on October 25-27, 2009, in Albuquerque, New Mexico.

The Alliance represents 24 professional, accreditation and certification organizations involved in the technical component of medical imaging examinations and radiation therapy treatments in the health care setting. For over 10 years, the Alliance has worked to develop and implement education and certification standards for diagnostic radiologic technologists, nuclear medicine technologists, radiation therapy technologists, magnetic resonance imaging technologists, medical sonographers, medical dosimetrists and medical physicists who perform, plan, deliver and evaluate medical imaging examinations and radiation therapy treatments in the United States. The CRCPD is one of the four Consulting (non-member participant) organizations to the Alliance.

One of the Alliance's chief activities involves the "Consistency, Accuracy, Responsibility, and Excellence in Medical Imaging and Radiation Therapy Act" (CARE Bill) that was introduced into the 111th Congress on September 25, 2009, as House of Representatives Bill 3652 (H.R. 3652). The CARE Bill amends the Public Health Service Act and the Social Security Act to require the Secretary of the Department of Health and Human Services to establish minimum standards of technologists, medical dosimetrists and medical physicists to ensure the safety and accuracy of medical imaging examinations and radiation therapy treatments.

## CRCPD Working Group Activities, H-13 Report

[Continued]

A total of 36 representatives from the Alliance were in attendance. The following is a summary of major meeting discussions and outcomes:

1. Health Care Reform (HCR) Bills (H.R. 3200, S. 1679 and S. 1796): The Alliance discussed the status of HCR. The Senate Bill with a public option has been sent to the Congressional Budget Office (CBO) for cost/saving scoring. It will likely take up to two weeks for the CBO to complete its scoring of the Bill. Once CBO completes its task, the Bill will be sent to the Senate floor for discussion and possible amendments prior to vote. There is discussion among a couple of senators to possibility include the CARE Bill into the overall HCR legislation.

The Alliance drafted an HCR position statement in support of Congress' efforts to improve the delivery of health care in the United States while controlling cost. This position lists nine essentials radiology principles that should be included in any HCR measure. Several of these principles could be obtained by passage of the CARE Bill.

2. CARE Bill (H.R. 3652): The Alliance discussed the status of the CARE Bill in the 111th Congress. Currently, there are only four Bill co-sponsors. A Senate Bill should be introduced shortly. One major change to this CARE Bill from the one that was introduced in the 110th Congress is a statement that excludes "Advanced Diagnostic Imaging Services," since these services are regulated under the Medicare Improvement for Patients and Providers Act (MIPPA). These services include computed tomography, magnetic resonance and nuclear medicine. However, since MIPPA does not apply to hospitals, some Alliance members expressed concern that this exclusion could result in no minimum standards in hospitals. Based on the two recent computed tomography errors in California hospitals and the brachytherapy issue in Philadelphia, minimum standards are needed for hospitals. The American Society of Radiologic Technologists' (ASRT) (one of the two founding Alliance members) attorneys stated that they will research this issue.

According to the ASRT, the CARE Bill will result in annual cost saving for medical x-ray examinations of \$40 to \$50 million dollars. This estimation was determined on the Medicare dollars spent for x-ray examinations in 2007 (i.e., \$1.56 billion) and the CARE Bill goal to reduce the average repeat or error rate for x-ray examinations from 5.5% to

## CRCPD Working Group Activities, H-13 Report

[Continued]

2.75%. Although in support of the goal to reduce the repeat/error rate in half, some Alliance members felt that the cost saving will be lower, as more facilities switch to digital radiology, thus eliminating the cost of film and processing chemistry. The Alliance also felt that cost for other imaging modalities and radiation therapy should be obtained.

Additionally, some members felt that cost saving should include an analysis of fewer radiation-induced cancers as a result of lower radiation exposures to patients due to a reduced repeat/error rate and through the required medical physicist's evaluation of patient technical protocols.

Several Alliance organizations discussed their CARE Bill advocacy activities. As part of National Radiologic Technology Week - November 8-14, 2009, the ASRT will host a Virtual March on D.C. (Note: This is also National Radiation Protection Professionals Week.) The ASRT has developed key discussion points and sample letters. Other Alliance organizations are welcome to use them. The goals for this march are to: (1) Increase the number of H.R. 3652 co-sponsors (Goal: 150); (2) Have a Senate Bill introduced, and (3) Have CBO score the CARE Bill. ASRT's advocacy activities can be seen at <http://capwiz.com/asrt/home/>.

3. Medicare Improvement for Patients and Providers Act (MIPPA): Passed in 2008, MIPPA requires medical facilities that perform "advanced diagnostic imaging services" to include "computed tomography, nuclear medicine and magnetic resonance imaging procedures" to be accredited by an organization that is accredited by the Secretary of Health and Human Services by January 1, 2012. According to the Act, by January 1, 2010, the Secretary must promulgate the criteria for accrediting these organizations. One standard for accreditation is the "qualifications of medical personnel who furnish the technical component of the advanced diagnostic imaging service."

The Final Rule should be promulgated on November 5, 2009. The American College of Radiology (ACR), the Intersocietal Accreditation Commission and The Joint Commission (JC) have petitioned the Secretary to be a "designated accreditation organization." Some Alliance members expressed concerns regarding The JC's petition, since The JC does not review clinical images as part of its current accreditation activities. According to the ACR

## CRCPD Working Group Activities, H-13 Report

[Continued]

and Intersocietal Accreditation Commission, clinical image evaluation is the biggest and hardest component of an accreditation program to develop.

4. Centers for Medicare and Medicaid Services (CMS): The Alliance discussed the questionable Equipment Utilization Assumption Rate that was published in the proposed 2010 physician reimbursement schedule. Several radiology services were rated in the 70 to 95 percent range. Some Alliance members believed that the actual utilization rate is closer to 50%. The "2010 Physician Fee Schedule" will be released on November 5, 2009. If the proposed utilization rate is not changed, Medicare reimbursement for many radiology services will be reduced. Some Alliance members felt that a reduction in reimbursement could result in a decrease in the number of radiology facilities participating in Medicare reimbursement and therefore, decrease access to radiologic services to patients.
5. Fluoroscopy Education: The following activities were highlighted:
  - a. The American Association of Physicists in Medicine (AAPM) is developing a curriculum;
  - b. Alaska implemented a 10 hour education requirement for operators of fluoroscopic equipment;
  - c. The ASRT is working with the American Association of Physician Assistants (AAPA) on an 80 hour curriculum (40 hours didactic instruction and 40 hours clinical education with competency testing in the common image-guided fluoroscopic procedures (Example: PICC Line Placements) that PAs are permitted to perform in some states. Additionally, ARRT is developing a fluoroscopy examination for states to use if they have a fluoroscopy licensure category. Due to the wide range of education requirements, some Alliance members felt that standardization of the curriculum is needed.
6. The following other topics were discussed by the Alliance:
  - a. New York Times article on medical radiation safety: AAPM reported that it has provided information to the New York Times for this article. The article's position is not known. Scheduled publication before Thanksgiving.
  - b. H.R. 3276 entitled "American Medical Isotope Production Act of 2009" was introduced into the 111th Congress on July 21, 2009. This Bill promotes the United States to

## CRCPD Working Group Activities, H-13 Report

[Continued]

produce its own Molybdenum-99 (Mo-99) without the use of highly enriched uranium and to phase out the export of highly enriched uranium to foreign producers of Mo-99. (History: Currently Mo-99 is produced in Canada and the Netherlands and highly enriched uranium is used in the process. There have been repeated shortages of Mo-99 in the United States. (Mo-99 decays into Technetium-99, which is widely used in many diagnostic nuclear medicine procedures.) These shortages have resulted in a delay in patients having nuclear medicine procedures.

Post Meeting Outcome: On October 28, 2009, President Obama approved \$20 million as part of the 2010 Energy and Water Appropriations Bill to have a domestic supplier of Mo-99 without the use of highly enriched uranium.

- c. Gently Image and Step Lightly Campaigns: Some Alliance members, who are also members of the Alliance for Radiation Safety in Pediatric Imaging (i.e., the Gently Image and Step Lightly Campaign organizers), discussed the importance and success of these campaigns. Websites have been written in foreign languages and are being used in some foreign countries. The next campaign will be on pediatric nuclear medicine procedures.
- d. CMS ruling on the supervision to Radiologist Assistants (RA) will be released on November 5, 2009. Created in 2003 by the ACR and ASRT, the RA is an ARRT registered diagnostic radiologic technologist who has completed an advanced imaging and patient care curriculum. Currently, 26 states recognize the RA to practice under the supervision of a physician. There are 10 approved RA programs and 108 RAs are registered by the ARRT.

The ACR, ASRT and ARRT have developed a national scope of practice for the RA with levels of radiologist supervision. Currently, CMS required level of supervision for RA tasks is "Personal" (i.e., in-room supervision). The ACR, ASRT and ARRT have requested CMS to change several RA tasks to "Direct" (i.e., physician in the facility and immediately available to furnish assistance and direction throughout the procedure).

- e. Doctor degree in Medical Physics (DMP): Vanderbilt University has started the first professional doctoral

## CRCPD Working Group Activities, H-13 Report

[Continued]

- degree in medical physics program in the United States. This is 4-5 year post-baccalaureate degree program.
- f. New Mexico and Oregon are the first states to pass licensure requirements for operators of medical ultrasound and magnetic resonance imaging equipment. West Virginia has promulgated regulations for magnetic resonance imaging operators.
  - g. Nuclear Medicine Advanced Assistant (NMAA): The Society of Nuclear Medicine – Technologist Section (SNM) announced that the University of Arkansas has started a master's degree NMAA program. Six students are currently enrolled. The NMAA is an advanced level nuclear medicine technologist. A curriculum has been approved by the SNM. A national scope of practice has been drafted and the Nuclear Medicine Technology Certification Board (NMTCB) is developing a certifying examination. Some Alliance members expressed concern since the start of this program was without a scope of practice being nationally accepted.
7. Possible action items for CRCPD:
- a. Several meeting outcomes require monitoring by the H-13 Committee and CRCPD. Major outcomes include: (i.) Health Care Reform; (ii.) The Care Bill; (iii.) The exclusion of “advanced diagnostic medical imaging services” from the CARE Bill; (iv.) MIPPA's Final Rule; (v.) The 2010 Physician Fee Schedule; (vi.) The New York Times Article and (vii.) H.R. 3276.
  - b. Regarding Item 5 (fluoroscopy education): The CRCPD should not support a fluoroscopy license category or curriculum unless the hours of education are sufficient to ensure that operators are knowledgeable in fluoroscopic equipment operation, quality assurance and radiation protection and have been tested competent to perform fluoroscopic procedures.

The next meeting of the Alliance is scheduled for Fall of 2010. Alliance members are willing to meeting via teleconferencing as CARE developments or events occur.

If you have any questions or comments, please call me at (609) 984-5890.



## CRCPD Working Group Activities

[Continued]

### E-5 Member Attends Workshop on Upcoming National Response Exercise

By Denny Galloway (CT), E-5 Member

Several workshops hosted by the Environmental Protection Agency were held in Philadelphia, Pennsylvania, November 17 and 18, 2009, in preparation for the April 2010 Philadelphia "Liberty RadEx" exercise. As a member of the E-5 Committee on Radioactive Waste Management, I participated in a workshop on the 18th. The participants at these workshops were Federal, state and local stakeholders, as well as radiological disposal, treatment, and transportation service providers.

Liberty RadEx is an upcoming National Response network tier II exercise that will focus on Emergency Support Function 10 (ESF-10). ESF-10 is a coordinated response to potential or actual discharges or releases of hazardous materials and long term recovery under the national response framework guidelines. Exercise participants will focus on intermediate and late phase emergency response activities that will prepare individuals for emergency procedures, including decontamination after a terrorist RDD event, ensuring laboratory capacity to process large volumes of samples, classifying area characterizations, and waste disposal. I compiled some information from multiple people about the meeting I attended. Our working group identified five broad based areas for further discussion and analysis:

1. Waste disposal/jurisdiction.
2. Regulatory restrictions and agreements.
3. Scientific and technology issues.
4. Disposition and capacity issues.
5. Communications issues.

As the Lead Federal Agency for the initiation of ESF-10, the EPA plans on continuing their outreach to Liberty RadEx stakeholders. Their focus will be on waste management and disposal issues.



## CRCPD Working Group Activities

[Continued]

## CRCPD COUNCIL REPORTS

March 1 - September 30, 2009

---

### Environmental Nuclear Council (ENC)

Michael Gilley (FL), Chairperson

#### E-5 Committee on Radioactive Waste Management

Sean Murphy (WA), Chairperson

- E-5 met via conference call April 4, June 10, and August 26, 2009.

#### E-23 Committee on Resource Recovery and Radioactivity

Michael Whalen (MA), Chairperson

- No activities to report.

#### E-24 Committee on Decontamination and Decommissioning

Dwight Shearer (PA), Chairperson

- No activities to report.

#### E-25 Committee on Radon

William Bell (MA), Chairperson

- The committee met June 16-17, 2009, in Frankfort, Kentucky, to develop the agenda for the 19th National Radon Training Conference that was held in St. Louis, Missouri, September 23-26, 2009.
- The committee continues to provide support for three Building Technical Capacity Projects in Minnesota, Nevada, and Ohio.
- E-25 Chairperson assisted the OED in preparation of new EPA Cooperative Agreement application.
- E-25 Chairperson assisted the OED in procurement of a contractor for the Blind Testing Project.

#### E-31 Liaison - Association of State and Territorial Solid Waste Management Officials

Vacant

- No activities reported.

#### E-34 Committee on Unwanted Radioactive Materials

Debbie Gilley (FL), Chairperson

- Debbie Gilley (FL) appointed as chairperson in May 2009.
  - The E-34 committee continues to work closely with OED Technical Staff and DOE/National Nuclear Security Administration (NNSA) to identify prudent uses of SCATR
-

## CRCPD Working Group Activities, ENC Report

[Continued]

and Orphan Sources funds to dispose or securely store unwanted radioactive materials.

- E-34 held several conference calls with OED and NNSA.
- Joe Klinger, E-34 member, provided a presentation at the Southeast Compact Commission meeting.
- E-34 chairperson provided an update on SCATR at the annual meetings of the Health Physics Society and the American Association of Physicists in Medicine.
- The SCATR exhibit was featured at the Health Physics Society and American Association of Physicists in Medicine annual meetings.
- E-34 Chairperson attended the RadWaste Forum meeting and provided a presentation on the lack of disposal options for unwanted sources in September 2009.
- E-34 is continuing to explore opportunities for disposal or safe and secure storage of unwanted material in 36 states without access to a disposal site.

### E-35 Coordinator - Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)

Jenny Goodman (NJ), Coordinator

- EPA sent the MARSAME training development project out for bid and the project has been awarded. The project kick-off meeting was held on 10/06/09.

### E-37 Committee on Naval Nuclear Propulsion

Robert Greger (CA), Chairperson

- E-37 continued to work with the U.S. Navy to develop an E-37 position/recommendation concerning emergency planning criteria for nuclear powered U.S. naval vessels.

### E-38 Task Force on Power Reactor Changes

Richard Pinney (NJ), Chairperson

- No activities reported.

### E-39 Coordinator - Multi-Agency Radiological Laboratory Analytical Protocols (MARLAP)

John Volpe (KY), Coordinator

- E-39 Coordinator provided a presentation at the 41st National Conference on Radiation Control in May 2009.

### E-40 Liaison - Institute of Scrap Recycling Industries, Inc. (ISRI)

Beverly Hall (NC), Liaison

- No report received.

## CRCPD Working Group Activities, ENC Report

[Continued]

### E-41 Task Force on Radioactivity in Building Materials

Michael Gilley (FL), Chairperson

- E-41 met once during the period of March 1-September 30, 2009.
- E-41 committee drafted task #1 and is currently in committee review.
- EPA recently contracted a firm to undertake research and development of protocols for radioactivity in granite countertops.

### General Council (GC)

Mary Ann Spohrer (IL) Chairperson

#### GC-EI - Emerging Issues

Jared Thompson (AR), Chairperson

- No report received.

#### G-2 Committee on Ionizing Measurements

Don Parry (MI), Chairperson

- No report received.

#### G-34 Committee on Industrial Radiography

David Turberville (AL), Chairperson

- G-34 met via conference call May 2009 to review California's application to become a certifying state for industrial radiographers.
- G-34 continues to work on developing procedures, through conference calls and amended drafts, for reviewing a radiographer certification program.

#### G-36 Liaison - Health Physics Society/Academy Board of Health Physics

Earl Fordham (WA), Liaison

- Liaison attended the Health Physics Society (HPS) annual meeting in Minneapolis, Minnesota, July 2009.
- Liaison attended the HPS and Academy Board of Health Physics board meetings.
- Liaison assisted with the SCATR exhibit at the HPS meeting.

#### G-50 Liaison - National Council on Radiation Protection (NCRP)

David Allard, CHP (PA), Liaison

- No report submitted.

## CRCPD Working Group Activities, GC Report

[Continued]

### G-53 Committee on Public Information for Radiation Protection

Margie Wanchick (OH), Chairperson

- The G-53 charges were reviewed and updated in September 2009.

### G-55 Training Committee

Cindy Becker (FL), Chairperson

- G-55 met in conjunction with the 41st National Conference on Radiation Control in Columbus, Ohio.
- The committee continues to work on developing a therapy training module and a transportation module, and possibly beginning work on a CR/DR module as well as other new x-ray modalities.

### G-58 Task Force for the Criteria for an Adequate Radiation Control Program

Roland Fletcher (MD), Chairperson

- Committee met in Columbus, Ohio, in conjunction with the 41st National Conference on Radiation Control to discuss questions from an earlier review of the 1994 criteria document. A summary of the discussion was submitted, thus completing one of the charges.

### Healing Arts Council (HAC)

Jennifer Elee (LA), Chairperson

### H-EI Emerging Issues

Kathleen Kaufman (La. Co./CA), Chairperson

- No activities to report.

### H-4 Committee on Nationwide Evaluation of X-Ray Trends (NEXT)

Warren Freier (ND), Chairperson

- The 2003 Fluoroscopy protocol, trifold, and data summary were finalized and approved for publication.
  - The 2009/2009 Cardiac Catheterization protocol and data collection forms were finalized and approved for publication.
  - Committee members followed up with state contacts and directors on study activities for the cardiac catheterization study.
  - H-4 met at the 41st National Conference on Radiation Control in Columbus, Ohio, May 14-15, 2009.
  - H-4 chairperson provided an update on H-4 activities at the 41st National Conference on Radiation Control in Columbus, Ohio.
-

## CRCPD Working Group Activities, HAC Report

[Continued]

### H-7 Committee on Quality Assurance in Diagnostic X-Ray

Robert Scott (PA), Chairperson

- H-7 met via conference September 10, 2009, to finalize the update of the repeat analysis collectible. This collectible has been approved by the CRCPD Board and posted to the CRCPD website.
- H-7 is pursuing a collectible on handheld dental x-ray devices.
- The committee is conducting further research on bone density precision testing before making a decision whether to issue a collectible.

### H-11 Committee on Mammography

Beverly Jo Carswell (AL), Chairperson

- H-11 met in Columbus, Ohio, May 14-15, 2009, to plan the 2010 Mammography Training scheduled in conjunction with the 42nd National Conference on Radiation Control in Newport, Rhode Island.
- The committee has received many comments from a survey about higher doses from multiple digital images.

### H-13 Committee/Liaison - American Society of Radiologic Technologists (ASRT)/American Registry of Radiologic Technologists (ARRT)

Al Orlandi (NJ), Chairperson/Liaison

- H-13 chair/liaison continues to monitor the CARE Bill and the activities of the Alliance for Quality Medical Imaging and Radiation Therapy.
- H-13 chair/liaison continues to monitor the New Jersey bill to allow creation of additional licensure categories by regulation rather than law to allow greater flexibility.
- H-13 chair/liaison provided assistance to Alaska, Maine, and Minnesota regarding ARRT procedures and the development of future regulations, especially for fluoroscopy.
- H-13 chair/liaison provided assistance to ARRT regarding its clinical competency requirements and examination content specifications for diagnostic radiologic technologists.
- H-13 chair/liaison participated as a panel member with John Winston on a national consensus conference sponsored by ASRT and ARRT that resulted in a publication entitled "Industry Panel Address Future of

## CRCPD Working Group Activities, HAC Report

[Continued]

CT; Consensus Paper Offers Recommendations on CT Education and Practice.”

### H-15 Liaison - American Association of Physicists in Medicine (AAPM)

Debbie Gilley (FL), Liaison

- Liaison continues to network with AAPM via conference call, e-mail, and in person at mutual meetings.
- Liaison is working with AAPM in establishing a database for Physicist qualifications (Qualified Medical Physicist Registry).
- Liaison provided a presentation to state program directors at the 41st National Conference on Radiation Control on the proposed QMPR.
- Liaison provided a presentation at the AAPM annual meeting on the “Radiation Response Volunteer” concept and on regulatory challenges to the medical physics community.
- Liaison assisted with the CRCPD exhibit at the AAPM annual meeting,
- Liaison participated in several governmental affairs AAPM Meetings and via conference calls for areas of mutual interest, including SCATR, radiological response volunteer corps, and the qualified medical physicist registry.
- Liaison is working on a joint AAPM/CRCPD paper for publication by both organizations on how we work together to improve the quality of radiation procedures in medicine. (This paper will be published by ACR.)

### H-16 Liaison - Joint Commission

Ray Dielman (FL), Liaison

- Liaison continues to network with Joint Commission representatives via e-mail.
- Liaison attended the Joint Commission Liaison meeting in July 2009.
- Liaison submitted an article for the CRCPD Newsbrief on liaison activities.
- Discussions with Joint Commission regarding providing a speaker for the CRCPD annual meeting in 2010 on patient safety.”
- Discussions with possibly working with Joint Commission on surveyor training on 5-10 areas that health care professional without knowledge of radiation could utilize to determine hospital radiation programs adequacy.

## CRCPD Working Group Activities, HAC Report

[Continued]

- Liaison submitted an abstract for the Joint Commission meeting on Emergency Response.

### H-23 Liaison - American College of Radiology (ACR)

Jennifer Elee (LA), Liaison

- Liaison continues reviewing the ACR Journal for articles and information that would be helpful to CRCPD members and passed relevant information on to the appropriate Healing Arts committees.
- Liaison continues to network with ACR representatives.

### H-25 Task Force for IMRT

James Pate (LA), Chairperson

- H-25 is working with two different computer model shielding calculations for a white paper.

### H-28 Liaison - Society of Nuclear Medicine (SNM)

James Yusko, (PA), Liaison

- Liaison attended SNM's annual meeting in June 2009. The issues of isotope supply was one of the primary topics of the meeting. There was discussion of using other isotopes (F-18 for one), but there are issues.
- The news of \$20 million in funding from the federal government to work toward a U.S. supplier for Missouri is welcome, but will take at least two years. There is a concern that physicians outside the New Mexico area will not realize that is not a quick fix. There is also the issue of waste disposal.

### H-31 Task Force for Monitoring Patient Dose During Fluoroscopy

Tim Gibson (TX), Chairperson

- H-31 white paper was finalized and sent for peer review on September 1, 2009.

### H-32 Committee for Computed Tomography

Lisa Bruedigan (TX), Chairperson

- H-32 met in Columbus, Ohio, at the 2009 annual meeting to develop final draft of white paper and to begin work on inspector handout.
- H-32 chair presented a poster and an oral presentation at the 2009 National Conference on Radiation Control in Columbus, Ohio. The poster was selected as the best poster and was awarded first place.
- H-32 is planning a training program for the 2011 annual meeting in Austin, Texas.

## CRCPD Working Group Activities, HAC Report

[Continued]

### H-33 Task Force for the Inspection Protocol of Diagnostic X-ray Facilities Using CR/DR Technology:

Mike Odlaug (WA), Chairperson

- H-33 Task Force coordinated and presented a hands-on training on CR/DR that was held in conjunction with the 41st National Conference on Radiation Control.
- H-33 Task Force assisted in the planning of a second training session that will be held November 17, 2009, at the New England Radiological Health Conference annual meeting.
- The CR/DR protocol was distributed for peer review.

### H-34 Task Force for Helical IMRT

Janaki Krishnamoorthy (NY), Chairperson

- Chairperson developed a draft document containing basics of the machine, aspects of safety for patients and the public, and an inspector checklist.

### H-35 Liaison - American Society for Radiation Oncology (ASTRO)

John Winston (PA), Liaison

- Liaison continues reviewing ASTRO articles and information that would be helpful to CRCPD members and forwards relevant information to the appropriate working groups.
- Liaison continues to monitor any relevant proposed legislation.
- Liaison met with ASTRO's liaison and discussed providing speakers for the 2010 annual meeting on innovations in radiation therapy.
- Liaison assisted in adding a peer reviewer from ASTRO for Suggested State Regulations – Part G.
- CRCPD provided a letter of support for ASTRO's nomination to the Advisory Committee on the Medical Uses of Isotopes (ACMUI).

### H-36 Task Force on E-Brachtherapy

Daniel Kuhl (AZ), Chairperson

- H-36 met via conference call in September 2009 to begin working on the white paper.
  - Chairperson designated committee assignments.
-

## CRCPD Working Group Activities, HAC Report

[Continued]

### H-37 Liaison - American Board of Radiology

Jennifer Elee (LA), Liaison

- Liaison met ABR Liaison Rick Morin at the AAPM annual meeting.
- CRCPD Executive Director attended the ABR summit on “Overuse of Medical Imaging” in August 2009. A white paper from the summit was published.

### Homeland Security/Emergency Response Council (HS/ERC)

Kim Steves (KS), Chairperson

#### HS/ERC-EI - Homeland Security Council - Emerging Issues

Wayne Malloch (ME) Chairperson

- No activities to report.

#### HS/ER-1 Task Force for EPA’s Creation of National Monitoring System

Debra McBaugh (WA), Chairperson

- Chairperson is working with EPA contact to verify if further work is required on this task force.

#### HS/ER-2 Committee for Fostering Partnerships and Developing Operational Guides to Support Emergency Preparedness and Response

Frieda Fisher-Tyler (DE), Chairperson

- The Alliance to Expand Radiological Emergency Preparedness in Public Health professionally-facilitated and recorded workshop was planned by the committee, and executed in April 2009, in Atlanta, Georgia, with participation from HS/ER-2 members, CRCPD, CDC, ASTHO, NACCHO, and CSTE representatives, toward the goal of building or enhancing partnerships for effective radiological emergency preparedness among these parties. The final workshop report was published September 2009.
- Chairperson provided a presentation on the workshop at the 41st National Conference on Radiation Control in Columbus, Ohio, May 2009.
- Jim Blumenstock (ASTHO) provided a presentation about public health collaboration and an overview of public health preparedness programs during a special interest meeting on “Expanding States’ Emergency Preparedness Capabilities at the 41st National Conference on Radiation Control.

## CRCPD Working Group Activities, HS/ERC Report

[Continued]

- An initial Alliance Steering Committee meeting was held at the CRCPD Annual Conference in May 2009, with participation from CDC, CRCPD (HS/ER-2 and OED), ASTHO and NACCHO.
- Chairperson made a presentation on the workshop at the annual National Radiological Emergency Preparedness (NREP) Conference in April 2009.
- CRCPD Chairperson made a presentation on partnering with public health to perform population monitoring at community reception centers for the Empire 09 national level exercise to a CDC-sponsored workshop held in conjunction with the annual meeting of the Council of State and Territorial Epidemiologists in Buffalo, New York, in June 2009.
- HS/ER-2 met via multiple conference calls to plan the workshop agenda and to develop the workshop break-out session plan to obtain actionable objectives from the participants.
- HS/ER-2 met July 8-9, 2009 in Dover, Delaware, to develop an effective plan to achieve the aggressive time line needed for completion of the tasks due under the CDC contract.
- HS/ER-2 Chairperson submitted a *Newsbrief* article describing the Alliance to Expand Radiological Emergency Preparedness in Public Health” Workshop for the October 2009 edition.

### HS/ER-4 Task Force for Operational Guidelines for Models and Tools for Recommendations and Responses to RDD/IND

Debra McBaugh (WA), Chairperson

- HS/ER-4 met via conference calls May 26 and July 7, 2009.
- HS/ER-4 reviewed and provided comments on the “Operational Guidelines for Models and Tools for Recommendations and Responses to RDD/IND” document.

### HS/ER-5 Committee on Emergency Response Planning Patrick Mulligan (NJ), Chairperson

- HS/ER-5 provided comments and feedback on documents at the request of DOE and FRMAC for the Laboratory Analysis working group.
- HS/ER-5 provided comments and feedback on documents at the request of DOE and FRMAC for the Monitoring and Assessment working group.
- HS/ER-5 supported the FRMAC Operations Working Group through conference calls and document review.

## CRCPD Working Group Activities, HS/ERC Report

[Continued]

- HS/ER-5 continues to provide support to the CDC in the review and revision of the draft population monitoring guide.
- HS/ER-5 committee members and advisors participated in the FRMAC biannual conference call.
- HS/ER-5 committee members and advisor provided feedback and review of FRMAC data products as requested.
- HS/ER-5 attended meetings to support the Advisory Team Committee in the development of working groups to support updates and revisions to the operations, education, and outreach programs of the A-Team.
- HS/ER-5 provided additional comments and feedback to the FRPCC's Subcommittee on Potassium Iodide. The working group was formed in response to a request from the Executive Branch's Office of Science and Technology to investigate "Best Practices" for the stockpiling and distribution of KI for the public.
- HS/ER-5 committee members and advisors provided support for Empire 2009 federal exercise through attendance at training sessions specifically designed for controllers and evaluators.
- HS/ER-5 member supported the FRPCC by participating on the working group to evaluate and assess the implementation of the proposed changes to the REP Program Manual, the Exercise Evaluation Methodology, and the implementation of Hostile Action Based Drills into the REP exercise cycle.

### HS/ER-6 Task Force for Development of CRCPD Comments on the EPA Protective Action Guidelines:

Cynthia Costello (NY), Chairperson

- This working group will review and provide comments on the EPA PAGs when published.

### HS/ER-7 Task Force on Inter-Organizational Activities

Alice Rogers (TX), Chairperson

- Attended quarterly meetings of the DHS Nuclear Sector Government Coordinating Council and DHS Nuclear Sector and provided reports to the CRCPD Board of Directors.

### HS/ER-8 Task Force on the Development of Nuclear Power Plan New Releases

Ann Pfaff (NJ), Chairperson

- HS/ER-8 held one conference call and numerous e-mail

## CRCPD Working Group Activities, HS/ERC Report

[Continued]

communications for members/advisors/resource individuals to discuss and work on our charges.

- A draft “Library of Press Releases for Nuclear Generating Station Plume and Post-Plume Exercises and Incidents,” “FAQs,” and “Talking Points” have been created and are currently being circulated to the Task Force for comment.

### Suggested State Regulations Council (SRC)

Earl Fordham, CHP (WA), Chairperson

#### SR-EI - Emerging Issues

Cindy Cardwell (TX), Chairperson

- No activity reported.

#### SR-A - General Provisions (Part A)

Shawn Seeley (ME), Chairperson

- Part A is awaiting peer review.
- SR-A chair is working with OED to determine peer reviewers for Parts A, D, and J.

#### SR-B - Registration of Radiation Machines, Facilities, and Services (Part B)

Russell Takata (HI), Chairperson

- Part B was approved in February 2009 and was sent for federal concurrence.

#### SR-BB - Nonionizing - Tanning (Part BB)

- Part BB has been designated inactive.

#### SR-C - Licensing of Radioactive Materials (Part C)

Monica Perez (TX), Chairperson

- SR-C chair resigned.
- No activity to report.

#### SR-D - Standards for Protection Against Radiation (Part D)

- This working group has completed an annual review of Part D and submitted changes to the OED. Part O has been incorporated into Part D.

#### SR-E - Radiation Safety Requirements for Industrial Radiographic Operations

Ann Troxler (LA), Chairperson

- Ann Troxler (LA) appointed as chair in February 2009.

## CRCPD Working Group Activities, SRC Report

[Continued]

### SR-F - X-Rays in Health Arts (Part F)

Russell Takata (HI), Chairperson

- The rewrite of Part F after peer review has been completed and is awaiting OED technical review.

### SR-G - Use of Radionuclides in the Healing Arts (Part G)

Cathy Fontaine (TX), Chairperson

- Part G received the proposed NRC amendment for medical events and has begun review of it.

### SR-H - Radiation Safety Requirements for Analytical X-Ray (Part H)

David Allard (PA), Chairperson

- Reviewed ANSI Standard N43.2-2001 Radiation Safety for X-Ray Diffraction and Fluorescence Analysis Equipment, ANSI Std. N43.17-2002 (rev2.8) Radiation Safety for Personnel Security Screening Systems Using X-rays, NCRP Commentary Nos. 16 and 17 on screening systems used for security purposes, DOE G 441.1-5 guidance on radiation generating devices, ANSI Std. N43.8-2001 Classification of Industrial Ionizing Radiation Gauging Devices, ANSI Std. 13.49-2001 Performance and Documentation of Radiological Surveys, ANSI Std. 13.36-2001 Ionizing Radiation Safety Training for Workers and various literature articles on non-medical industrial and research ion implantation and radiation generating devices.
- Reviewed relevant FDA, OSHA, NRC, DOE regulations and standards.
- Working group met via conference call February 2009.

### SR-I - Radiation Safety Requirements for Particle Accelerators (Part I)

David Allard (PA), Chairperson

- Reviewed NCRP Report No. 144, Radiation Protection of Accelerator Facilities, DOE Order 420.2A, Safety of Accelerator Facilities, DOE Standard 1098-99, Radiological Control, ANSI Std. 13.49-2001 Performance and Documentation of Radiological Surveys, ANSI Std. 13.36-2001 Ionizing Radiation Safety Training for Workers, ANSI Std. N43.3 General Radiation Safety... Up to 10 MeV, IAEA Safety Standard DS409 Radiation Safety of Gamma, Electron and X ray Facilities, and various literature articles on non-human use industrial and research accelerators.
- Reviewed relevant AAPM reports and standards on medical accelerators that may have consideration for non-human use machines.

## CRCPD Working Group Activities, SRC Report

[Continued]

- Reviewed relevant FDA, OSHA, NRC, DOE regulations and standards.
- Working group met via conference call February 2009.

### SR-J - Notices, Instructions, and Reports to Workers: Inspections (Part J)

Shawn Seeley (ME), Chairperson

- SR-J is ready for peer review.

### SR-R - Radon (Part R)

Robert Stilwell (ME), Chairperson

- Part R was discussed with EPA Indoor Environments Division staff to help them understand Part R and how it relates to their activities.
- Part R revision has begun to address editorial and consistency issues observed by OED staff after Part R was published.

### SR-S - Bonding and Surety (Part S)

Robert Young (TN), Chairperson

- No activity reported during this period.

### SR-T - Transportation of Radioactive Materials (Part T)

Bob Owen (OH), Chairperson

- Working group is working on Part T Rationale.
- Committee peer review completed.

### SR-U -Licensing Requirements for Uranium and Thorium Processing and Related Radioactive Material (Part U)

Phil Egidi (CO), Chairperson

- Part U has been modified to address peer review comments and sent to the OED for technical review.

### SR-W - Radiation Safety Requirements for Wireline Service Operations and Subsurface Tracer Studies (Part W)

Vacant, Chairperson

- Part W is ready for peer review.

### SR-X - Medical Therapy (Part X)

Bill Dundulis (RI), Chairperson

- SR-X has submitted final draft amendments, including electronic brachytherapy and the rationale document to the CRCPD Board for review and approval.

**CRCPD Working Group Activities, SRC Report** *[Continued]*

**SR-X** *[Continued]*

- The SR-X chair handled numerous inquiries regarding the status of Part X amendments from state radiation control programs and industry groups.
- SR-X chair provided appropriate consultations for state radiation control programs that are currently in a regulation revision cycle that may need to move forward before the Part X amendments are formally approved by the CRCPD Board.

- Part X has been approved by the CRCPD Board and sent for federal concurrence.

**SR-Y - Disposal of Contaminated Waste Water Sludge in Landfills**

Jay Hyland (ME), Chairperson

- No report received.

**SR-Z - Medical Credentialing (Part Z)**

Paul Brown (IL), Chairperson

- Part Z is currently out for peer review.



**CRCPD Board of Directors**

| Board position          | Name                          | State              | Work Phone        | E-mail address                |
|-------------------------|-------------------------------|--------------------|-------------------|-------------------------------|
| Chairperson.....        | Adela Salame-Alfie, Ph.D..... | New York .....     | 518/402-7501..... | asa01@health.state.ny.us      |
| Chairperson-Elect ..... | Michael Gilley.....           | Florida.....       | 850/245-4545..... | norman_gilley@doh.state.fl.us |
| Past Chairperson .....  | John P. Winston .....         | Pennsylvania ..... | 814/332-6412..... | jwinston@state.pa.us          |
| Treasurer.....          | Jennifer Elee .....           | Louisiana .....    | 318/362-5367..... | jennifer.elee@la.gov          |
| Member-at-Large .....   | Kim Steves.....               | Kansas.....        | 785/296-4359..... | ksteves@kdheks.gov            |
| Member-at-Large .....   | Earl Fordham, CHP.....        | Washington.....    | 509/946-0234..... | earl.fordham@doh.wa.gov       |
| Member-at-Large .....   | Mary Ann Spohrer .....        | Illinois.....      | 217/785-9916..... | maryann.spohrer@illinois.gov  |

*The Newsbrief is published in February, April, June, August, October, and December by the Office of Executive Director, Conference of Radiation Control Program Directors, Inc., 1030 Burlington Lane, Suite 4B, Frankfort, KY 40601. Telephone: 502/227-4543; fax: 502/227-7862; Web site: <www.crcpd.org>.*

*The Newsbrief is written to address the needs of all radiation control program personnel. Readers are encouraged to contribute newsworthy or informative items for the Newsbrief, with neither charges nor stipends for the items that are selected. News of state radiation control programs is especially sought.*

*Articles should be sent to CRCPD, Attn: Sue Smith, 1030 Burlington Lane, Suite 4B, Frankfort, KY 40601 (fax: 502/227-7862; email: <ssmith@crcpd.org>). The deadline for contributions is the 15th of the month before an issue is to be published.*

*The opinions and statements by contributors to this publication, or attachments hereto, are not necessarily the opinions or positions of CRCPD. The mention of commercial firms, services, or products in the Newsbrief is not to be construed as either an actual or implied endorsement of such firms, services, or products by CRCPD.*

*This publication is supported in part by a Cooperative Agreement (No. FD-000005) administered by the Food and Drug Administration.*