



Conference of Radiation Control Program Directors, Inc.

NEWSBRIEF

December 2002

CRCPD's Mission: A Partnership Dedicated to Radiation Protection

Message from Chairperson Cynthia C. Cardwell

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I remember when the daily pace of things, especially at work, seemed to slow down a bit during the holiday season. Not so anymore! The pace of work activities continues to be hectic, regardless of the time of year. I know for certain that it is not just me, because I've spoken with so many of you during the last couple of months and you've voiced the same observation. The same is true for CRCPD, the Board, and the Office of the Executive Director (OED). This article and others in this *Newsbrief* edition are meant to give you a quick summary of those activities.

Coordination with OAS

In October, Ron Fraass and I participated in the Organization of Agreement States (OAS) annual meeting in Denver, Colorado. We provided an update on the recent activities of CRCPD and of OED. You read about some of these activities in the October *Newsbrief*. OAS had an excellent meeting with some very interesting discussions, particularly with regard to national security issues and the national materials program.

OAS is currently working towards incorporation of the organization. In response to a request from the OAS Board, CRCPD offered to act as a registered agent for OAS and provided cost estimates for doing so. We encouraged them to look for the most fiscally prudent means of "hiring" a registered agent. One of the toughest responsibilities of being an organization's Board member is having to make fiscal decisions that represent the best interests of the organization, some of which may not be all that popular. The OAS Board faced that challenge and decided to go with another entity to act as their registered agent. We applaud them on their efforts and wish OAS the best as they go through the incorporation process.

Chairperson's message

(continued)

Ron and I participated in the OAS meeting as part of our ongoing effort towards coordination between the two organizations. In fact, feedback from attendees at the OAS meeting indicates the two organizations should continue the coordination efforts. These coordination efforts are being made when soliciting volunteers for NRC working groups, in planning for the CRCPD annual meeting, by participation of the OAS Board Chairperson in the CRCPD fall Board meeting, and CRCPD Board members making plans to attend the March 03 OAS meeting. We are keeping in mind the mantra, "We is us and us is them...!"

Expect More Meat

For efficiency's sake and as a cost-saving measure, the Technical Planning Committee met in Denver immediately following the OAS annual meeting. We reviewed the feedback from the last CRCPD annual meeting and the topics and papers that had already been submitted. Changes were made to the program format based on that feedback. For example, expect more technical "meat" in the presentations. Due to popular demand, the 5-minute state presentations have been eliminated. They've been replaced with 5-minute reports from the working group chairs of those working groups that have been active this past year. It is important for meeting attendees and the membership to know what's being produced by our hard working groups. We've also scheduled more training opportunities, both before the meeting and during the meeting in the topical training sessions. Stay tuned for more info on the CRCPD annual meeting.

Because the meeting was immediately following the OAS meeting, we were fortunate to be able to have Pearce O'Kelley, Chair of OAS, and Ed Bailey and Rob Greger participate. Ed and Rob participated as representatives of the host state for the 2003 meeting. They all provided great input to the planning effort.

Small Might Have Its Advantages

I was honored to participate in the 33rd Annual Meeting of the New England Radiological Health Committee (NERHC) meeting in Providence, Rhode Island in November. I thought participation in this meeting was important enough to warrant violating one of my personal rules about never traveling north of Waco in the wintertime! I provided the group with an update of CRCPD activities, focusing on some of the CRCPD working group efforts/products, the CRCPD Orphan Source Initiative, and a sneak preview of the upcoming CRCPD Annual Meeting agenda and training opportunities.

The presentations were informative and pertinent. We heard about reference values, NEXT, CT scanning, Homeland security issues, radon mitigation, lasers, and of course, KI. This meeting was the first I had

Chairperson's message

(continued)

heard of the plans of the U.S. Post Office to distribute KI. Staff members from the New England states were also wonderful hosts. We had some wonderful meals and a tour of downtown Providence...in freezing temperatures. Now you know where my "never travel north of Waco in the wintertime" rule comes from. I have officially accused them of enjoying playing "torture the Texan"!

One of the presentations was on the history of the New England Compact and of the annual meeting of NERHC. This is truly a unique organization in that the compact is statutorily established and the purpose is to provide a formal mechanism for sharing information, training, and resources. The compact even provides for "loan" of staff resources. What a wonderful support network! Staff from the New England states acknowledge that the small size of the New England states and their close proximity to one another help to make NERHC successful. So, this is one case where being small has an advantage and where bigger is not always better. (Now, I'll probably have my eligibility for membership in the Daughters of the Republic of Texas revoked for saying such a thing!)

However, I was informed that participation in the meeting was down this year due to budgetary impacts...impacts we are all facing, such as travel restrictions and budget cuts. In the face of these impacts, we need to look at unique ways to help each other out. NERHC is one example of a successful collaboration. The Boards of both CRCPD and OAS, with input from NRC, have been discussing methods for states to help out each other, particularly with regard to training opportunities. An example of another type of state coordination will be the 2005 CRCPD annual meeting in Kansas City, Missouri. Several of the Midwestern states are coordinating and will be sharing the duties of the host state. Please let me and any other member of the Board know when you have an idea as to how to further such efforts.

More to Come...

Stay tuned to your emails and to future *Newsbriefs* for more information on Board activities during the November, 2002 Board meeting, particularly the responses to the recommendations of several of our working groups (S5, S6, and S7) and to changes made to the working groups as a result of the Working Group Initiative.

Changing the name of the organization is an issue that's still alive. I've heard from many of you who offered suggestions and I thank you for the input. The Board has developed a plan for obtaining additional membership input and we will be discussing the "name game" during the 2003 Annual meeting. In fact, *Frankfort 'Fil* has gotten involved and has already dubbed the effort "a hostile takeover by an unnamed organization"!

Chairperson's message (continued)

Y'all are the Best!

I'm now halfway through my term as Chair and it never ceases to amaze me just how resourceful and dedicated the people who work in radiation protection, safety and education truly are. You continue to volunteer for working groups, including CRCPD, OAS, and NRC working groups. The people on our working groups continue to contribute and produce. Those at OED continue to give our membership quality service. We're all facing economic impacts and at times like these, it seems even more appropriate to coordinate our efforts on a national level. Despite the obstacles, y'all seem to be dedicated to our common goals - protection of health and safety and the environment - and to be willing to do what it takes to reach those goals. On behalf of both the CRCPD and the OAS Board, thank you for your willingness to contribute and your efforts in doing so. I hope your holidays are blessed and peaceful.



National orphan radioactive material disposition program

By Patricia Gorman (OED)
Administrative Officer

I am pleased to advise that the Pennsylvania and Tennessee radiation control programs have signed an agreement with CRCPD for the disposition of discrete orphan sources under the CRCPD's National Orphan Radioactive Material Disposition Program. To date, seven states have agreements under the program and several others are expected to be forthcoming.

Some states who need financial help with dispositioning discrete orphan radioactive materials have had difficulty with the liability language that is contained in the original sample agreements. OED has developed a document that identifies the liability language variations in the different alternate agreements that OED has approved following consultation with our attorney. States may access this document on CRCPD's website (www.crcpd.org) under "Secure Sites/Regulatory Forum/Orphan Source Program Agreements/Liability Variations." We hope this document will assist in getting more states signed up to participate in this important program.



2003 dues notices

By Patricia Gorman (OED)
Administrative Officer

Dues notices for 2003 have been mailed. If you are paying as an individual and are not part of an agency or group state membership, please contact Twila Barnett via email at tbarnett@crcpd.org or by phone at 502/227-4543 ext. 2224 if you have not received your dues notice. As a reminder, dues must be paid by February 28, 2003 or you will be stricken from the membership roster as required by the CRCPD Bylaws.

2003 dues notices

(continued)

Note from Chairperson Cardwell

The Board was recently faced with a very difficult decision concerning the CRCPD budget and membership dues. We struggled in considering a dues increase at a time when so many state radiation control programs are facing budget impacts, including decreasing funding and FTEs.

There has been no increase in dues since 2000 for the Director, Associate, International, and Affiliate member categories. Emeritus has not had an increase since 1998 (Honorary and Life Members are not assessed dues). In 2001, the Program membership category was restructured and returned to the amounts that were previously approved.

However, there are more and more activities that must be funded by the CRCPD portion of the overall budget instead of from the federal grant portion of the overall budget. This has been the case for the last two years and was reported by our Treasurer during the 2002 business meeting in Madison, Wisconsin. Some of these activities include the efforts of working groups that are formed and not covered by other federal funding. CRCPD needs to be more proactive in establishing CRCPD as an information resource, including recent comments provided to NCRP on a draft report concerning radiation protection in veterinary medicine; enhancing the CRCPD website; travel for the Chair and the Executive Director in support of the organization's mission; and offering a loan program for training resources.

After much discussion, the Board felt it necessary to approve the following dues increase:

Director	\$100 to \$125	Affiliate	\$75 to \$85
Associate	\$40 to \$50	Honorary	No increase
Emeritus	No increase	Life	No increase
International	\$85 to \$90	Academic	No increase

On behalf of the Board, we believe the benefits gained through membership in CRCPD are worth more than the increase in membership dues. Our approval of the increase reflects our commitment to maintaining CRCPD as both a viable and valuable organization.

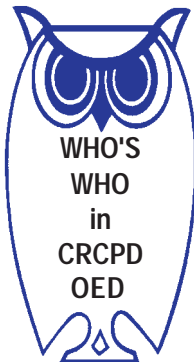
Frankfort 'Fil

By Paul Merges, Director
Bureau of Radiation
NYS Division of Solid and Hazardous
Material

"Responding to NRC's ICMs for licensed RAM, EPA will issue time dependent ICMs for large NORM source users called Interim Compensatory Biodegradable Measures (ICBMs)."



The adventures of **Frankfort 'Fil**-world's only radiation forecasting groundhog



By Patricia Gorman (OED)
Administrative Officer

Denese Southgate Fiscal Department Accounting Clerk



Denese was hired on a full-time basis effective November 1. During Denese's temporary assignment with OED, it became apparent early on that she would be an asset to our team. She works directly for OED's Fiscal Officer, Twila Barnett, and is very pleasant and professional in her dealings with people. It is likely that when you call OED and need to talk to a real person that you will get either she or Sharon Bowen. Denese has a solid background in accounting and bookkeeping that provides excellent support in the Fiscal Department. Denese also has experience with databases, spread sheets, and nonprofit organizations. In addition to assisting the Fiscal Officer with the day-to-day fiscal operations and serving as backup receptionist, Denese is responsible for managing the newly established Training Resources Loan Program that is available to CRCPD members. For more detail on this program, please refer to a previous issue of the *Newsbrief*. Please join me in welcoming our newest staff person.



Frankfort 'Fil's sidekick

By Ron Fraass (OED)
Executive Director



Changing Perceptions

CRCPD members are constantly engaged in discussions with the regulated community, the public, legislators, and federal agencies over differences in perceptions. Many in the public view radiation as highly dangerous but would pay \$1000 for an elective, computed tomography (CT) scan that is not medically necessary. The regulated community and some legislators believe that external regulation is an unnecessary expense because the companies will follow the regulations, monitor, and correct any deviations themselves. State regulators may believe that many new and revised federal regulations are unfunded mandates that stretch already thin budgets to breaking points. So—what can we do about this? Can we make lemon-aid out of these lemons?

For my perception about an issue to change, I need new information from a source that I trust. If we hope to provide another person or organization with such information, we need to be trusted and respected. I believe CRCPD fulfills these requirements. The Board selects technically qualified persons for committees and reviews the work that comes out of the committees. Our bias as state regulators is clear and proper because that is who we are. But there will always be those individuals who believe that because of funding (from the nuclear industry or federal government), CRCPD positions are not based solely on science, public health, and environmental protection. Better communication of our positions and their bases is the key.

OED is working with the CRCPD Board of Directors to improve committee responsiveness and our communication processes. Many of our committees will only be activated when a specific issue needs to be worked. The committee members will be selected and given timelines for accomplishing specific goals. This will permit CRCPD to rapidly and appropriately respond to questions and issues of radiation protection. The staff in Frankfort is working to improve our web site for members and for the public. Information that cannot wait for publication in the next Newsbrief is being sent directly to Director Members via email. Selected members will monitor their areas of expertise for emerging issues that require action by CRCPD. I have been tasked to spend more time interacting with federal agencies to improve CRCPD's ability to work with the agencies on radiation protection issues before policies are finalized. Each of these actions will enhance our ability to communicate CRCPD positions on critical topics.

By now you realize that improved communications is one of my primary objectives. It helps make us better partners. If you have an issue that CRCPD should work on, give me a call. Better yet, talk with a Board member. You chose them to represent your interests and they would like to hear from you.



Past Board members



I left The Washington Radiation Control Program in 1996, under mysterious political circumstances, which is another whole story, and not of much interest here, except to say that I worked for the Washington Department of Health for three more years after leaving Radiation Protection and before finally cutting the cord. These were three satisfying, productive, fun years in emergency preparedness, helping write and implement an internal emergency response plan

for the department intended to get the department up and running as soon as possible after an emergency.

I retired in May, 1999, and Kaye and I moved from Olympia to Hood Canal (a western arm of Puget Sound) to property my family had owned for the last 50 years. We have spent the last three years remodeling, rebuilding, and reshaping the house and grounds of the two+ acre property, and are very pleased with the (almost) final result.

Retirement has allowed us to do what we have wanted for a long time (for me), and to find new ways to relax (for Kaye). She discovered golf, and, of course, golf clothes, golf clubs, golf carts, new golf friends, etc., etc., and all the associated fun.

I consult with the department on occasion (on apolitical issues, obviously), spend a lot of time in the yard, but mostly I have become a nearly full-time musician. I had played for years in a variety of groups, but when I moved to the beach I found a band that plays my kind of music...jazz, Dixieland, big band. We play all over the northwest, at jazz festivals, private parties, hardware store openings, wherever they can afford us. It's great fun. Look us up on the web at www.prohibitionjazz.com



Retirement is everything it's hyped up to be, and maybe more, and I recommend it to you all. Best of all.....it's apolitical.



Robert Hallisey Resolution

This resolution was presented to Bob at his recent retirement party. Also, Bob has been approved by the Board to give the John C. Villforth Lecture at the 2003 National Conference on Radiation Control in Anaheim, California, on Sunday, May 4th. Congratulations, Bob.



CONFERENCE OF RADIATION CONTROL PROGRAM DIRECTORS, INC.

BOARD OF DIRECTORS RESOLUTION

Relating to: The contributions Robert M. Hallisey has made to radiation protection of the citizens of Massachusetts and the nation, and in particular his many contributions to the Conference of Radiation Control Program Directors, Inc. (CRCPD).

Whereas: Robert Hallisey has over 40 years of service devoted to protecting individuals from unnecessary radiation exposure; and

Whereas: Robert Hallisey served 18 years of his career as a public health servant with the U. S. Food and Drug Administration; and

Whereas: Robert Hallisey has been the Director of the Massachusetts Radiation Control Program for 22 years; and

Whereas: Robert Hallisey has served the nation in providing both administrative and technical guidance on radiation protection matters to the Food and Drug Administration; and

Whereas: Robert Hallisey has supported the efforts and goals of the CRCPD during his entire tenure with the Massachusetts program, serving on the Board of Directors, as a Member-at-Large and later as its Chairman, and serving on many CRCPD working groups, some of which he chaired; and

Whereas: Because of Robert Hallisey's dedication and self-sacrifice to his chosen profession, he is most deserving of a pleasant retirement.

Now Therefore, Be It Resolved: That Robert Hallisey is hereby recognized and praised for his many years of dedicated public service to the citizens of Massachusetts and the entire United States by providing leadership and guidance to the state's radiation control program; and

Be it Further Resolved: That Robert Hallisey is hereby recognized and appreciated for his many years of service to the Conference of Radiation Control Program Directors, a service that benefits *all* citizens in the United States by reducing unnecessary radiation exposure; and

Be it Further Resolved: That the CRCPD Board of Directors and the staff of the Office of Executive Director express their sincere appreciation to Robert and wish him a most pleasant, relaxing and rewarding retirement.

Bestowed by the Board of Directors this 24th day of October, 2002.

Original signed by Cindy Cardwell, CRCPD Chairperson

EPA training CD

By Mary Clark (EPA)

EPA is pleased to announce the release of the CD ROM-based training program entitled "Responding to Radiation Alarms at Metal Processing Facilities." The training is designed to help prevent unwanted radioactive material from entering scrap yards and metal processing facilities. As part of the program, a protocol is presented for first responders to these facilities that will reduce the potential for exposure of workers and/or expending millions of dollars in site cleanup costs. This CD ROM product is an effective and entertaining way to provide and reinforce critical information to state and industry groups.

Copies of the program will be distributed, free of charge, to all CRCPD State Directors, as well as scrap and metal processing facilities. For additional information, please contact Deborah Kopsick, EPA at (202) 564-9238.



Mammography continuing education to be held

By Jennifer Elee (LA), Chairperson
H-11 Committee on Mammography

On Saturday May 3 and Sunday, May 4, 2003, CRCPD will be offering a mammography continuing education program in conjunction with the Annual Meeting in Anaheim, California. The program is being planned by H-11 Committee on Mammography members Aaron Gantt (SC), Don Agnew (IL), Karen Farris (MA), Lin Carigan (OED staff), Stephanie Belella (FDA), and myself; Debbie Gilley, Healing Arts Council chairperson; and Kathleen Kaufman (LA County).

On September 5, 2002, a conference call was held to set up the program format and select topics and speakers. We will be offering a one day course that will be open to anyone interested in mammography (this includes inspectors, physicists, technologists, state supervisors, etc.—you do not need to be a CRCPD member to attend); and a two day course, with attendance at the Sunday program restricted to MQSA inspectors and state and federal personnel.

Information on registering and the registration fee will be posted on the website as soon as the information is available. The committee plans to submit the program to ASRT for at least 11 Continuing Education Units.

A preliminary agenda is on CRCPD's website (there is a link to the agenda under the *Mammography* heading and under the *Meetings and Workshops* heading); the agenda is updated as new information becomes available.

The Saturday program will include topics such as, "What Are The QC Tests For Digital Mammography And What Do They Mean?"; "Features Of Digital Mammography Equipment"; "Computer Aided Diagnosis Systems"; "How Problematic Mammography Facilities Are Handled"; "Digital Mammography Accreditation"; "Historical And Technical Develop-

Continuing education (continued)

ments For Image Quality And Radiation Dose In Mammography"; "A Facility's Transition From Screen Film To Digital Mammography"; and "Film Emulsion Differences, Processing Concerns With Q & A."

The Sunday program will include topics on "How To Detect Fraud During An Inspection"; "The Medical Audit—What Does It Mean?"; "Inspection Guidance For The Medical Audit"; "Common Problems Found By Physicists"; and "Trouble Shooting For Inspection Related Issues." Some of the presenters include Shelly Lille, Robert Pizzutiello, Michael Leal, Priscilla Butler, and Melissa Martin.

The Mammography Committee is very excited about this program. Information regarding the course will be posted on the CRCPD website, included in the annual meeting announcement, and emailed to all MQSA inspectors. We will also be mailing fliers to facilities in the state of California. We would also like to ask inspectors and CRCPD members to pass the course information on to any others who work in the mammography field who might be interested in attending.



Board approved priorities

BOARD OF DIRECTORS

Priorities for 2003 Based on the CRCPD Strategic Plan

- 1) Goal #1, Objective #3 - Be Proactive in Handling New Issues:
 - Provide fiscal and staff resources management oversight to assure CRCPD is proactive on emerging issues;
 - Evaluate working groups' initiatives with regard to emerging issues process; and
 - Be proactive and timely in developing positions.
- 2) Goal #1, Objective #1 - Determine Membership Needs and Goal #3, Objective #4 - Increase communication with members:
 - Increase board interaction with the States.
- 3) Goal #5, Objective #1 - Assume a Leadership Role on Radiation Protection and Public Policy Issues and Goal #5, Objective #2 - Actively Liaison with Professional Organizations and Federal Agencies:
 - Work with federal/state/local agencies to enhance homeland security.
- 4) Goal #5, Objective #1 - Assume a Leadership Role on Radiation Protection and Public Policy Issues:
 - Monitor and provide input on the proposed and/or needed changes to the AEA;

Board priorities (continued)

- Be proactive and timely in developing positions; and
- Consider changing CRCPD name to enhance national & international recognition.

5) Goal #4, Objective #4 - Evaluate the Relationship Between the CRCPD and the Organization of Agreement States (OAS):

- Continue cooperative efforts with the OAS.

6) Goal #4, Objective #2 - Assure Effective Management of CRCPD:

- Formalized performance evaluation process for Executive Director and OED staff.

7) Goal #3, Objective #1 - Provide More Benefits for CRCPD Members: I

- Increase distribution of CRCPD directory and expand resources in the directory.



ANSI e-learning program - *Why Standards Matter*

By Pamela Suett
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ANSI Education & Training, in cooperation with the ANSI Ad Hoc Committee on Standards Awareness and Education, has introduced its first web-based e-learning program, *Why Standards Matter*. This complimentary program was developed using a "Learning Management System" which incorporates interactive quizzes, exercises, and assignments, and includes a glossary and frequently asked questions. *Why Standards Matter* is the first in a series of e-learning programs that ANSI will be producing. The next program under development is an overview of the national and international standards development process.

Why Standards Matter is a basic orientation to standards for students, faculty, new employees or new committee members, and for non-standard professionals such as engineers, technologists, government and corporate management staff.

The following are some comments from users of the program:

Have we succeeded in enhancing your understanding of standards?

- § Yes, this is a wonderful introduction and overview to standardization; especially clarifying terms and undoing misunderstandings and confusion about standards, regulations, voluntary vs. mandatory, etc. Good show!
- § Yes, much basic information provided in an interesting context - useful for beginners.

Please elaborate on what you liked about this course:

Why standards matter

(continued)

- § Ability to go at your own pace, activities and exams, glossary.
- § Good basic introduction.
- § Easy to use, read, learn and navigate; timely topics; applications and good graphic selection.
- § Straight-forward, easy to use.
- § I liked it. It is very up-to-date with current events used as examples. I thought it was easy to use and I liked it better than our own internal standards resource material.

The major lessons in the e-learning program are *Standards in the World Around You*, *Standards are Important*, *Standards Protect our Environment*, *Safety and Health* (government/industry partnerships), and the *Business of Standards*. This is an excellent resource - and it is compliments of ANSI. To access *Why Standards Matter* go to www.standardslearn.org. You may pass this URL on or provide a link from your site. Please contact me if you have any questions.



OED office space—for those who asked

By Ron Fraass OED
Executive Director

The office staff of CRCPD works out of a house that has been refurbished into office space in Frankfort, Kentucky. We occupy the basement (3 offices), first floor (4 offices), and second floor (3 offices plus a small conference space). Because Frankfort is the seat of Kentucky government, there is a severe lack of available space at any price. CRCPD currently leases the entire house from Chuck Hardin, our former Executive Director. We have a multi-year lease at a price that is quite reasonable for Frankfort. Our newly hired Fiscal Officer researched other options in the area and I determined that the options were both more expensive and less convenient for OED operations.



Decommissioning radsafers

By Eric W. Abelquist
ORISE, Oak Ridge, TN

The D&D Science Consortium (ANL, EML, INEEL, and ORISE) has been established as a service to decommissioning professionals. We have been building the DDSC web site for a few months now. The home page offers the latest D&D news, while other subject areas include D&D Project Status, Misc D&D Guidance (under Resources and Tools), MARSSIM, Clearance, Dose Modeling, Survey Instrumentation, and an Ask an Expert option. Please check it out and bookmark if you think it'll help you: <http://www.ornl.gov/ddsc/>.

Please let us know what you think. What information should be added? Your feedback is appreciated.



ENVIRONMENTAL NUCLEAR COUNCIL

Russell Takata (HI), Council Chairperson

Council Chairpersons Semiannual Report (February -September)

E-5 Committee on Radioactive Waste Management

Gary Robertson (WA), Chairperson

Part of the requirements for Charge #3 were met in June 2002.

E-6 Committee on Emergency Response Planning

Steve Woods (CA), Chairperson

- Members and chairperson participated in FRMAC Operations, Assessment, Health and Safety, Monitoring and Sampling, Analysis and the newly formed Post Emergency working groups.
- Members and chairperson contributed comments during a quarterly FRMAC conference call.
- The E-6 Committee participated in an on-going EPA review and re-write of EPA 400 (PAG Manual).
- E-6 members attended the Annual National Radiological Emergency Preparedness Conference held in Milwaukee, Wisconsin. During the conference the E-6 Committee held it's annual meeting.
- The chairperson attended the FRPCC meeting in Washington D.C.
- The chairperson attended the federal/state Savannah River federal emergency response exercise.
- The Chairperson and members drafted a KI resolution, which was approved by the board during the CRCPD Annual meeting, 2002, and sent to State Program Directors on May 24, 2002.
- E-6 members participated in the development of contamination monitoring guidance for portable radiation survey instruments.

E-20 Committee on Federal Facilities

Edgar Bailey (CA), Chairperson

- The chairperson reports that since DOE has again decided against external regulation, no activities are expected for E-20.

Environmental Nuclear Council (continued)

E-23 Committee on Resource Recovery and Radioactivity

Pete Meyers (TX), Chairperson

- At the most recent annual meeting of the CRCPD, the E-23 committee was successful in having the CRCPD pass a resolution relating to the release from regulatory control of solid materials from nuclear facilities. In passing the resolution, CRCPD officially resolved:

- * That the CRCPD recommends the NRC move forward without delay with a rulemaking process for developing national standards for the control of solid materials from nuclear facilities:
- * That the standard include a prohibition against the importation of solid material exceeding a US national standard; and
- * That technical bases developed by NRC include considerations of NARM and TENORM.

NARM and TENORM.

- In conjunction with CRCPD's most recent annual meeting, the E-23 Committee met and identified tasks to be undertaken in association with each of the E-23 Committee charges.

E-24 Committee on Decontamination and Decommissioning

Dennis Zannoni (NJ), Chairperson

- E-24 received an advanced draft of NRC NUREG-1757 Volume 2 "*Consolidated NMSS Decommissioning Guidance: Characterization, Survey, and Determination of Radiological Criteria*" from the NRC on March 5. E-24 submitted comments to the NRC March 15. During the development of Volume 2, E-24 served on the Writing Team and the Pink Team.

- E-24 received NRC NUREG-1757 Volume 1 "*Consolidated NMSS Decommissioning Guidance: Decommissioning Process*" in February, after it was issued in the Federal Register January 31. E-24 submitted comments to the NRC May 1. During the development of Volume 1, E-24 served on the Pink Team.

- E-24 has completed a draft D&D guidance document that is ready for peer review. This document will help states and material licensees understand the license termination process for most license termination cases experienced in the US.

- E-24 participated on the writing team for NUREG-1757 Volume 3 "*Consolidated NMSS Decommissioning Guidance: Financial Assurance, Record Keeping, and Timeliness.*"

- E-24 continued its participation on the ISCORS Cleanup Sub-Committee made up of EPA, DOD, DOE, and the NRC. They met twice during

Environmental Nuclear Council (continued)

the period and continued to work on generating a catalogue of existing sources of information on parameters used in pathway modeling for environmental cleanups.

- E-24 Chairperson Dennis Zannoni (NJ) attended the CRCPD Annual Meeting in Madison, Wisconsin, May 4-8 and presented a poster. The poster addressed E-24's participation in the NRC D&D consolidation project and presented CRCPD membership with the latest D&D information.
- The CRCPD announced on May 29 that Patrick Dostie, State Nuclear Safety Inspector from Maine, was elevated from advisor to member. This completes our committee membership.

E-25 Committee on Radon

Adrain Howe (NV), Chairperson

- The E-25 Committee on Radon met in Reno, Nevada, on July 22-24, 2002 to finalize the agenda for the 12th National Radon Meeting to be held in Reno, Nevada, in October 2002. The final agenda topics were established where needed and speakers for established agenda topics were confirmed. The agenda was developed with the participation of AARST for a joint session day of the national meeting. The committee also reworked and finalized a questionnaire for gathering information that will be provided on the CRCPD website as part of the clearinghouse concept for state radon programs.
- The E-25 Committee also developed and provided comments on the EPA policy to adopt ASTM E-2121 and also developed comments on NCRP #85. These comments were sent to the respective organizations.

E-26 Coordinator on Radioactive Material Transportation

Aubrey Godwin (AZ), Chairperson

- The coordinator attended the NRC Transportation Meeting on interim control measures (ICM) for highway route controlled quantity (HRCQ) shipments.

E-28 Ad Hoc Committee for a Video on Superfund Site Cleanup

Joe Klinger (IL), Chairperson

- No activity reported.

E-29 Liaison – Association of State Drinking Water Administrators (ASDWA) and the American Water Works Association (AWWA)

Robert Stilwell (ME), Liaison

Environmental Nuclear Council (continued)

- No activity reported.

E-31 Liaison – Association of State and Territorial Solid Waste Management Officials (ASTSWMO)

Darice Bailey (CA), Liaison

- Liaison reports that support was provided to E-5 to facilitate a meeting with ASTSWMO.

E-32 Liaison – Environmental Council of the States (ECOS)

Ed Wilds (CT), Liaison

- No activity reported.

E-33 Liaison – National Environmental Laboratory Accreditation Conference

(Vacant)

- No activity reported.

E-34 Committee on Unwanted Radioactive Materials

Joe Klinger (IL), Chairperson

- Joe Klinger and Bob Free briefed the NRC's Advisory Committee on Nuclear Waste regarding orphan sources and CRCPD's National Orphan Radioactive Material Disposition Program on July 24, 2002.

E-35 Committee on Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)

Harlan Keaton (FL), Chairperson

- No activity reported.

E-36 Task Force on TENORM

Tommy Cardwell (TX), Chairperson

- No activity reported.

E-37 Committee on Naval Nuclear Propulsion Program

Ed Wilds (CT), Chairperson

- Discussions were continued with NNPP on the three focus areas:
 - ♦ Review of facility emergency plans.
 - ♦ Increasing state participation in radiological emergency drills and exercises.
 - ♦ NNPP providing affected states with copies of NNPP facility emergency plans.
- The committee met at the Annual CRCPD meeting in May and was briefed by NNPP representatives on activities to support state participation in radiological emergency drills and exercises.

Environmental Nuclear Council (continued)

GENERAL COUNCIL

Julia Schmitt (NE), Council Chairperson

- NNPP provided documentation to affected states for a limited number of designated individuals in state programs to obtain the necessary DOE security clearances to allow review of radiological emergency plans.
- Continued discussions with NNPP for nontraditional support of E-37 committee.

(G-2) Committee on Ionizing Measurements

Bob Lommler (IL), Chairperson

- A survey of state needs was completed and the results published.
- Two presentations on measurement uncertainty was given at the Annual Meeting.
- Both labs were reaccredited from July 1, 2002 through June 30, 2003.
- A round robin lab intercomparison was held.
- The x-ray beam accreditation criteria was updated.
- The FY 2003 budget was established.
- MQA testing was scheduled with NIST.

G-7 Liaison – American National Standards Institute ANSI

Curt Hopkins (OED), Liaison

- The ANSI website has been monitored and emails were forwarded to Director Members. No reports were received from advisors.

(G-9) Resolution Coordinator

Kirk Whatley (AL), Chairperson

- No resolutions were received.

(G-10) Awards Coordinator

Robert Hallisey (MA), Chairperson

- No activity reported

G-20 Committee on Licensing State Designation

Robert Gallagher (MA), Chairperson

- A brief summary of May 2002 meeting was provided in the June *Newsbrief*.

G-34 Committee on Industrial Radiography

Jan Endahl (TX), Chairperson

- The CRCPD Board approved that CRCPD, and more specifically the G-34 Committee, would be the lead organization for the National Materials Program Pilot Project 2 for evaluating and approving industrial radiographer certifying entities. The committee will be involved in devel-

General Council (continued)

oping a charter that details what will be accomplished, the work schedule, resources needed, and the end product, as well as managing the implementation of the project.

- Details of the committee's end of July meeting in Austin were submitted in a report on September 3, and September 24, 2002.

G-36 Liaison – Health Physics Society (HPS)

Earl Fordham (WA), Liaison

- See the *Newsbrief* report in the August 2002 issue.

G-40 Coordinator for Nonionizing

Vacant

- No activity reported

G-50 Liaison-National Council on Radiation Protection

David Allard (A), Liaison

- See the April 2002 *Newsbrief* for a summary of the NCRP annual meeting.
- See article later in this issue regarding the NCRP "Computed Tomography (CT): Patient Dose" Symposium that was held November 6 & 7, 2002.

G-52 Liaison – American Academy of Health Physics (AAHP)

Ruth McBurney (TX), Liaison

- See article under Working Groups, G-52

G-53 Committee on Public Information on Radiation Protection

Jill Lipoti (NJ), Chairperson

- State radiation control programs need ready access to information developed to explain radiation issues to the general public. Rather than starting from scratch, it would be useful if states could simply access public information already developed, and personalize it for use in their particular situation. To this end, the Committee on Public Information on Radiation Protection has developed a clearinghouse of information which will be available on the CRCPD website.
- Public information that will be available on the web has been categorized and placed in spreadsheets containing the web addresses.
- This information has been pre-screened by the members of the committee to be non-biased, updated frequently, and have understandable graphics.



Debbie Gilley (FL), Council Chairperson

H-3 Committee on Medical Practice

Dennis Angelo (PA), Chairperson

- Held formal meeting at Annual Conference in Madison, Wisconsin, on May 4th and 5th, to complete the final draft on document related to "Self Referred Whole Body Computerized Tomography." 2002.

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

Mary Ann Spohrer (IL), Chairperson

- A committee meeting was held in conjunction with the CRCPD meeting in May 2002 and summarized in a previous *Newsbrief* article. Issues that were addressed included abdomen/lumbar spine training, data summary updates, and preliminary discussions for *NEXT 2003 Abdomen/Lumbar Spine*.
- NEXT 2003 questionnaire and nomination letter and forms sent to program directors in mid June. Many questionnaires have been returned and some phone calls have been made to follow-up on those not responding.

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

John Winston (PA), Chairperson

- Continued to work on the draft "Patient Exposure and Dose Guide." The draft went out for advisor and resource individual comment February 2002 and for Peer Review on March 26, 2002. During our meeting May 1-2 in Madison, we reviewed the comments received from the peer reviewers on the draft. Most of the comments were minor and positive. The peer reviewers had issues with our simplified conversion to SI units, the use of 10 year old Computed Tomography (CT) data, and the lack of explanation of how we believed the Guide should be used. The committee decided to leave the values in the Guide in the units used in the NEXT reports, from which they were acquired. Dr. Stanley Stern was contacted and assisted in providing us with preliminary values from the 2000 NEXT survey on CT. The Introduction was expanded to clarify the intent of the Guide. The draft Guide was sent to advisors and resource individuals for comment on 7/17/02 and for peer review on 8/7/02. Comments are due from peer review by 9/1/02 and as of 8/29/02 the only comment received was "I like this version much better."

H-11 Committee on Mammography

Jennifer Elee (LA), Chairperson

- The committee sponsored an MQSA continuing education course that was held in conjunction with the annual meeting in Madison, Wisconsin. Eleven hours of continuing education credits were offered. Approximately 150 people, inspectors, technologists and physicists, attended

Healing Arts Council (continued)

- The stereotactic inspection work sheet was sent out for peer review. The comments have been received and will be discussed during a September conference call.
- Recommendations were made to the board and then to FDA based on inspector and mammography supervisor surveys regarding MQSA training. The committee also had a poster presentation at the annual meeting in Madison, Wisconsin, on this topic.
- The Committee chairperson participated in a conference call on the reauthorization of the Mammography Quality Standards Act of 1992.
- The committee chairperson and OED representatives discussed with the state of Hawaii the possibility of conducting a continuing education course for Hawaii technologists. The course would also be open to other attendees.

Subgroup: MOSA Inspection Frequency Task Force

Kass Kaufman (LA.Co./CA), Chairperson

- In October 2001, 11 states, plus the District of Columbia, New York City, and Puerto Rico, were notified that facilities within their jurisdiction had been selected to participate in the pilot program, and would not receive an annual inspection.
- In November 2001, half of the selected facilities were notified that they would skip one inspection, and in May 2002 the remaining facilities were notified. The actual pilot program began six months from the date of the letters to the facilities. One hundred fifty facilities are in a control group, while another 150 will skip an inspection. FDA plans to have a modified inspection procedure available for field-testing around March 2003. They are not planning on providing any formal training for inspectors, or designating specific inspectors. Presumably the guidance will be so simple that any certified MQSA inspector could perform this inspection.

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

John Gray (AZ), Liaison

- No activity reported.

H-15 Liaison—American Association of Physicists in Medicine (AAPM)/American College of Medical Physics (ACMP)

Jill Lipoti (NJ), Liaison

- The AAPM budgeted for a one-day training course to be given immediately preceding the CRCPD annual meeting. The AAPM provides speakers, course materials, and a very congenial learning atmosphere.

Healing Arts Council (continued)

This year, AAPM was also interested in presenting papers at the conference in addition to the training course. The liaison to CRCPD from AAPM is Keith Strauss.

- The AAPM has a summer school program in conjunction with their annual meeting. This year, they asked me to participate as a faculty member in the summer school at McGill University. I presented a paper on regulatory issues with Tom Shope from FDA. All of the summer school faculty participates in the "after school" informal activities so that the students can ask individual questions and we all stayed in the dormitory at McGill. This is a first for CRCPD which adds to our credibility and visibility, and promotes our leadership role. I wrote an article for the *Newsbrief* on the AAPM annual meeting and the summer school experience.

H-16 Liaison– Joint Commission on Accrediation of Healthcare Organizations (JCAHO)

Tom Seif (IL), Liaison

- No activity reported.

H-20 Liaison–Breast Cancer Organizations

Karen Farris (MA), Liaison

- I have contacted the three breast cancer organizations to obtain their web addresses and have asked OED staff to link their addresses on the CRCPD web page.
- Obtained proposed dates for annual meetings from two of the breast cancer organizations.

H-22 Task Force to Minimize the Risk From Fluoroscopy

Tom Seif (IL), Chairperson

- No activity reported.

S-1 Liaison–American College of Radiology

Jill Lipoti (NJ), Liaison

- The ACR and CRCPD are both interested in minimizing radiation exposure from CT. The ACR has approved a statement opposing the use of CT screening for asymptomatic individuals, and CRCPD has passed a resolution on the issue. Additionally, the FDA has issued an advisory on CT screening as well as an advisory on the use of CT for pediatric diagnostic scans with the goal to reduce dose. This remains an area of high concern.

- The IAEA has issued its action plan for the radiological protection of patients. The action plan was formulated on the basis of the results from the "International Conference on the Radiological Protection of Patients in Diagnostic and Interventional Radiology, Nuclear Medicine

**SPECIAL
COUNCIL**

Terry Frazee (WA), Chairperson

Special Council

(continued)

and Radiotherapy", which was held in March 2001 in Malaga, Spain, and which Chairman Paul Schmidt attended. The objective of the International Action Plan is to make progress in patient safety as a whole. The involvement of international organizations and professional bodies (such as the CRCPD and the ACR) is crucial to performing the actions and achieving the goals. Accordingly, the principles underlying the International Action Plan are that all components should:

- ✧ strengthen systems for radiological protection of patients;
 - ✧ fit within existing subprograms, maximizing the use of current activities and existing documents.
- This seems to raise the importance of our Suggested State Regulations.
 - The ACR provides a subsidy to the CRCPD for state travel to NEXT training. This is essential to having statistically significant NEXT participation. The NEXT data is as important to ACR as it is to CRCPD.
 - The ACR provides speakers to the CRCPD annual meeting who can discuss new modalities and new technology with us. They keep us informed of the medical uses of ionizing and nonionizing radiation.
 - As your CRCPD Liaison, I serve on the following ACR committees: Committee on Radiation Units, Standards, and Protection (Fred Mettler, Chair), Committee on Government and Public Relations (Geoff Ibbott, Chair). As issues arise of interest to CRCPD, I email Pat Gorman and she distributes to the Board for possible action.
 - This year, the CRCPD has a new Executive Director (Ron Fraass) and the ACR has a new Executive Director (Dr. Neiman). It is my goal to have a meeting at the ACR headquarters so that Ron and Dr. Neiman can talk about our mutual goals and explore ways for the organizations to work together. In addition to the continuing programs for NEXT and for providing speakers at the annual meeting, the issues of CT and support for the IAEA action plan for the radiological protection of patients would be on the agenda.

S-2 Task Force on CRCPD Strategic Planning

Vacant

- No activity reported.

S-3 Liaison –National Conference of State Legislatures/National Governors' Association

Roland Fletcher (MD), Liaison

- No activity reported.

Special Council (continued)

S-4 Commission on Training

Deborah Borden (TX), Chairperson

- The commission developed and sent a training needs assessment tool to all state program directors.
- The list of training CDs has been categorized and is now available on the CRCPD website.
- Susan North from Wisconsin is a new member of the Commission on Training. She replaced Kathy Allen who is with the Illinois program. Many thanks to Kathy for her efforts and contributions in developing resources for training.
- Reviewed and "rated" websites containing information for homeland security.

S-5 Ad Hoc Committee on Suggested State Regulations Development

Robert Walker (MA), Chairperson

- See April 2002 and June 2002 issues for reports.
- The final report was submitted to the Board in October 2002.

S-6 Ad Hoc Committee on Organizational Review

John Erickson (WA), Chairperson

- Presented verbal report at Business Meeting in Madison, Wisconsin.
- Final report submitted to the Board in October 2002.

S-7 Outreach Task Force

Vacant

- The Task Force held two teleconferences to discuss membership participation issues. Numerous suggestions were developed for improving outreach to membership and encouraging participation in CRCPD activities.
 - The draft final Task Force report was submitted to the Council Chairperson prior to the annual meeting.
 - A Poster Session on outreach activities was presented at the annual meeting.
 - Final report was submitted to the Board in October 2002.
-

SUGGESTED STATE REGULATIONS Council

Richard Ratliff (TX), Chairperson

SR-1 Licensing or Radioactive Material (Part C)

Cheryl Rogers (WI), Chairperson (NOTE: Monica Gonzales reinstated as Chairperson effective August 2002)

- No activity reported.

SR-2 General Provisions (Part A)

Standards for Protection Against Radiation (D)

Notices, Instructions, and Reports to Workers; Inspections (J)

Shawn Seeley (ME), Chairperson

- The committee is awaiting final Board approval of Parts A, D, and J.

SR-3 Radiation Safety Requirements for Analytical X-Ray (Part H)

Radiation Safety Requirements for Particle Accelerators (Part I)

David Allard (PA), Chairperson

- No activity reported.

SR-4 Registration of Radiation Machines, Facilities, and Services (Part B)

Diagnostic X-Rays and Imaging Systems in the Healing Arts (Part F)

Russell Takata (HI), Chairperson

- Comments received in response to FDA concurrence review and from the H-22 Task Force on Fluoroscopy have been incorporated in the next proposed revision of Part F. Proposal for registration of health/medical physicists has been incorporated in the next proposed revision of Part B.

SR-5 Regulation and Licensing of Technologically Enhanced Naturally Occurring Radioactive Materials (TENORM) (Part N)

Steve Collins (IL), Chairperson

- The SR-5 TENORM Working Group had a meeting by telephone conference on April 25, 2002. Revisions of draft Part N were discussed and assignments made to prepare for the Middleton, Wisconsin meeting. On May 3 and 4, 2002, SR-5 met in Middleton, Wisconsin and completed decision making and drafting of Part N and most of the *Implementation Guidance* document to enable its distribution for peer review. Peer review candidates were discussed. The *Rationale and Matters for Future Consideration* were also revised. As soon as Bruce Hirschler was able to complete editorial review, the SR-5 proofed all the documents and approved Part N and its *Implementation Guidance* for distribution for peer review. Peer review began in July 2002.

SR Council

(continued)

SR-6 Use of Radionuclides in the Healing Arts (Part G)

David Walter (AL), Chairperson

- The final revisions to Part G have been completed, and it should be ready for Executive Board review at their Fall meeting. If adopted as written, the rule is compatible with the NRC Part 35 that goes into effect on October 24, 2002. States are urged to carefully review the rationale. There are some new tools to help simplify the adoption process, such as required changes to other rule sections and a cross reference chart between Part G and Part 35.

SR-7 Radiation Safety Requirements for Industrial Radiographic Operations (Part E) Licenses and Radiation Safety Requirements for Irradiators (Part O) Radiation Safety Requirements for Wireline Service Operations and Subsurface Tracer Studies (Part W)

Salifu Dakubu (MA), Chairperson

- The SR-7 has not conducted a meeting during the time of membership on the working group of the present chairperson. All contact with the membership has been by email and telephone.

SR-8 Medical Therapy (Part X)

Roger Fenner (TN), Chairperson

- No activity reported.

SR-9 Lasers (Part AA)

John Lamb (AZ), Chairperson

- Gathered state rules and compiled resources.

SR-11 Tanning (Part BB)

Amy Sawyer (NC), Chairperson

The Tanning work group has been in contact via email to finalize verbiage and research items discussed during our meeting in Nashville, Tennessee 2001. The group has complied many revisions from this meeting and several items were research items assigned to members or resource persons prior to finalizing the draft. To date revisions are being made to incorporate all suggestions as related.

SR-11 Radon (Part R)

Walter Klein (FL), Chairperson

- No activity reported.

SR Council (continued)

SR-12 Licensing Requirements for Land Disposal of Radioactive Waste (Part M)

Decontamination/Decommissioning (Part O)

Licensee Contingency Plan (Part P)

Bonding and Surety (Part S)

Transportation of Radioactive Materials (Part T)

Robert Owen (OH), Chairperson

- Comments received from NRC on Part S and P. Comments on Part P will be considered for future changes since this part was adopted in August 2001.
- Part M has been shared with the E-5 Committee, where it is still under review.
- Part O was adopted in August 2000. No revisions pending.
- Part P was adopted in August 2001. No revisions pending.
- Part S peer review was completed June 2001. Resulting comments, and those from NRC, will be considered. NRC amendments to 10 CFR 30, 40, and 70 on financial assurance will be reviewed by the committee this winter.
- Part T - It was the consensus of the Board that Part T be sent to the E-26 committee for peer review. A draft of Part T, reflecting 10 CFR 71 revision by NRC, will be developed this fall and shared with the E-26 committee at that time.

SR-13 Licensing Requirements for Uranium and Thorium Processing and Related Radioactive Material (Part U)

Charles McLendon (TX), Chairperson

- SR-13 prepared a final draft of suggested state regulations concerning licensing requirements for Uranium and Thorium processing and related radioactive material. Comments from the NRC have been incorporated into the final draft form. As this final draft moves towards final approval it will be circulated for comments within the CRCPD Part U group and other appropriate knowledgeable and experienced personnel.



Working Group activities



E-24 Committee on Decontamination and Decommission

By Dennis Zannoni, Chairperson

The NRC contracted the Morris K. Udall Foundation, U.S. Institute for Environmental Conflict Resolution, to develop best practices for effective public involvement in restricted use license terminations of NRC licensed facilities. The final product is available on the NRC web site at <www.nrc.gov/materials/decommissioning/best-practices-report3.pdf>. I attended an NRC sponsored workshop, which discussed the paper, on September 5, 2002, representing the CRCPD D&D Committee.

The Morris K. Udall Foundation contractors visited restricted use sites undergoing license termination. The results reached by the experts in this paper apply beyond the limited number of NRC restricted use license terminations expected each year. They can be applied to many conflicts arising from most environmental cleanup activity. The paper was generated for the primary benefit of the licensee but the NRC and Agreement States were considered as well.

The paper first lays out some basic principles, which are the cornerstones to effective public involvement. Next the paper covers the best practices for planning and implementing an effective public involvement program. Many of the principles and practices we have seen before but this perspective makes it a good read. I like the suggestion of having food at any meeting than you can. It relaxes the crowd. I recommend that you make sure that the right people in your State, who deal with environmental conflicts, receive a copy of this helpful paper.

NRC/EPA D&D MOU

The NRC and EPA forged a Memorandum of Understanding (MOU) regarding the cleanup of radioactively contaminated sites. The MOU was signed by EPA Administrator Christine Whitman on September 30 and NRC Chairperson Richard Meserve on October 9. A copy can be obtained at <www.nrc.gov/readingrm/doccollections/news/2002/mou2fin.pdf>. I would also recommend that you obtain a copy of EPA OSWER 9295-06a, which provides more background information to the MOU that would be helpful to your staff.

On October 23, the NRC and EPA announced that they would conduct a meeting on November 5 to discuss the implementation of the MOU. The CRCPD approved my travel to attend the meeting as the Chair of E-24.

The meeting was well attended, in spite of the late notice and it being election day. It became apparent quickly that this MOU will be implemented as is and that the NRC and the EPA are focused on implementation of the MOU. In spite of the many comments from the public

Working Groups

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and states, the MOU would only be modified if Congress directed the EPA and the NRC to modify it. The meeting demonstrated to me that the public should be included in the MOU development process.

Now that the MOU has been issued, Agreement States need to start thinking about developing an MOU with your EPA region. Many states want the EPA to develop guidance for any Agreement State MOU centrally in order to minimize the differences that could emerge from all the different regions.

I will be sending out an electronic message to all States seeking their feedback and comments on the NRC/EPA MOU for CRCPD consideration and how we can help in this area.

G-2 Committee on Ionizing Measurements

By Bob Lommler (IL), Chairperson

The 11th Annual Council on Ionizing Radiation Measurements and Standards (CIRMS) meeting was held at the National Institute of Standards and Technology (NIST) on October 21-23, 2002. The main focus of the meeting was to speed production of guidance and standards documents for the Department of Homeland Security (DHS). The specific areas addressed in this meeting were portable instruments, portal monitors, and personal radiation pagers/dosimeters for use for Homeland Security. I attended the session on portable instruments.

Portable instruments were broken into three use categories. Use by police, fire, and other first responders to emergencies to indicate the presence of radiation is one category that received a lot of attention. Use by second responders with health physics experience was considered adequately covered by existing guidance and standards. Use by customs and other personnel for search and interdiction missions received some attention, but the meeting lacked anyone who would give threat information. Without DHS threat information of some sort, DHS was told they were pretty much on their own.

The discussion was broken into six subject areas. The areas were guidelines, performance standards, testing protocols, certification/attestation, reassessment, and training. In each subject area information was provided on what exists now, what the guidance and standards need to eventually provide, what can be done in six months to a year, and what could be accomplished in three to five years. Facilitators from the USDOE Environmental Measurements Laboratory recorded input and provided it to the person who will prepare the DHS short and long-term programs. She was present during the entire discussion and asked questions to clarify points during the discussion.

Working Groups

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It is clear that identifying instrument standards that are tailored to meet unique requirements, such as operating when wet or raining, should be the highest priority before everyone ends up with unsuitable equipment. The Department of Justice (DOJ) funds have no restrictions or guidance included with them for purchase of instruments. The second priority is training the personnel who get the equipment how to use it properly. This is the area where the DHS and DOJ programs are the weakest. Both agencies need a lot of state government help, which provides a funding opportunity for both CRCPD and state radiation control programs. Long-term infrastructure was the third priority to provide calibration and 24-hour technical advise to first responders and search personnel.

The G2 working group conducted an on-site review of the Illinois Regional Calibration Laboratory on November 21-22. The review was requested by the laboratory to add mammography x-ray beam calibrations to the lab scope of accreditation. The Illinois laboratory is currently accredited by CRCPD for gamma and convention x-ray beam calibrations. Mammography instrument calibrations require a x-ray with a molybdenum anode and filter.

The working group reviewed the laboratory, procedures, and NIST test results. The working group recommended that CRCPD accredit the Illinois laboratory for mammography instrument calibrations. Granting CRCPD accreditation requires a CRCPD Board vote. Inspection results and the working group recommendation will be forwarded to the Board for their approval vote.

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

By David Allard (PA) Liaison

As liaison to the National Council on Radiation Protection & Measurement (NCRP) for the Conference of Radiation Control Program Directors (CRCPD), I attended a special NCRP symposium on Computed Tomography (CT) and patient dose on November 6-7, 2002. This symposium brought together various state and federal regulators, radiologists, radiation biologists, medical physicists, professional association representatives and CT scanner manufacturers to discuss several emerging concerns with CT. Specifically, these concerns relate to: the increased use of CT in medical diagnosis in the USA; the relatively high radiation doses associated with CT procedures; data processing that allows adequate image formation even when more radiation than necessary is delivered; self-referral CT Screening; medical efficacy and the economics of CT use; the various phantoms used for measurement, calculation and appropriate description of patient dose; and approaches needed to reduce radiation exposure, in particular - with pediatric patients. Numerous presenters provided a wide range of information on

Working Groups (continued)

CT and patient dose.

For the full article, please go to <NCRP "Computed Tomography (CT): Patient Dose" Symposium November 6-7, 2002>.



G-52 Liaison – American Academy of Health Physics (AAHP)

Ruth McBurney (TX), Liaison

As CRCPD Liaison to the American Academy of Health Physics (AAHP) and the Academy's Liaison to CRCPD, Ruth participated in the meeting of the AAHP's Executive Committee on June 15-16, 2002, in Tampa, Florida, in conjunction with the 2002 American Radiation Safety Conference and Exposition (ARSCE). Several topics of interest to both groups were discussed.

Homeland Security

Ruth noted that this year's CRCPD meeting had a primary focus in this area, as well as the Health Physics Society Meeting (ARSCE). The HPS and AAHP are interested in providing technical assistance as needed in this effort.

Resource Deficit Crisis

The shortage of trained health physicists and academic programs is an area that is of great concern to radiation control programs. In competing with radiation safety positions in industry, medicine, and the federal government, state regulatory programs are unable to attract qualified candidates for health physics positions at the salaries they can offer. It was noted that fewer persons are applying for certification as well. Unless new fellowship or scholarship programs for academic programs are created soon or alternative training programs are implemented, this problem will continue to grow.

Joint Meeting or Other Joint Effort Possibilities

The issue of having a joint or co-located meeting of the HPS, AAHP, and CRCPD has been discussed at several meetings. It has been noted to both the leadership of CRCPD and HPS that the only way that such a meeting could happen is that both groups coordinate on the planning and venue selection several years in advance. In lieu of a joint meeting, Ruth pointed out that AAHP or HPS have an opportunity to make an impact at the CRCPD meeting by providing training, such as the American Association of Physicists in Medicine provides. The AAHP and HPS already put on continuing education and professional enrichment courses at the HPS meeting. Some of the topics would be of great interest to CRCPD. Following the survey of training needs by the CRCPD Training Commission, Ruth plans to contact AAHP and the Continuing Education Committee of HPS to see if a training program at one of the upcoming CRCPD meetings can be arranged.

Working Groups

(continued)

Booth Exchange/Registration Fee

The Academy and CRCPD both are interested in continuing to have exhibit booths at the annual meetings of both groups. Ruth will take this opportunity to reiterate the fact that HPS has agreed to allow CRCPD members to register for the HPS meeting at HPS member rates if CRCPD is willing to reciprocate. This would be a cost-saving measure and may attract more participants to both meetings.

Implementation of 10 CFR Part 35

Both the CRCPD and AAHP are very interested in the implementation of changes to 10 CFR Part 35. The CRCPD, of course, is interested in issues pertaining to compatibility and changes in licensing and inspection procedures. The Academy is interested from the standpoint of recognition of ABHP certification as a qualification for radiation safety officers in medical facilities. Ruth discussed further development of changes to the training and experience requirements in Part 35 and the role of the Advisory Committee on the Medical Use of Isotopes (ACMUI) in that additional rulemaking process. The ACMUI has asked the NRC to return the Board certification route as the primary method of qualification for authorized users, medical physicists, nuclear pharmacists, and radiation safety officers.

Other

Ed Bailey, director of the California Radiological Health program, will be serving as the Chairman of the American Board of Health Physics next year. The ABHP would like to maintain a regulatory position on the Board and have asked for nominees from the regulatory community.



Positions available

Illinois

Position Title: Nuclear Safety Inspector I

Salary Range: \$2799 - \$3654

Office/Division: Office of Radiation Safety/Division of Electronic Products

Location: West Chicago, IL

Brief Description of Duties: Under general supervision, conducts inspections of both conventional and highly complex x-ray installations, laser installations, and radiation machine service providers; prepares technical reports and correspondence relating to inspection results; measures radiation levels using a wide variety of radiation survey instruments; review plans and specifications for determining shielding requirements for electronic devices that produce ionizing radiation.

Specialized Knowledge, Skills and Abilities: Requires working knowledge of operating procedures and compliance requirements for medical and industrial radiation producing equipment. Requires working knowledge of the use for and operation of radiation detection and machine

Positions available

(Continued)

survey instruments. Requires ability to communicate effectively with professionals in the radiological health community. Requires the employee to have and maintain a valid State of Illinois driver's license.

Salary is commensurate with education and experience; MQSA certification preferred. Please feel free to contact me if you have any questions regarding the position. Anyone interested in applying for the position should submit a completed application to:

Mary Ann Spohrer
 Department of Nuclear Safety
 1035 Outer Park Drive
 Springfield, IL 62704
 Phone: 217/785-9916

Illinois is an Equal Opportunity Employer

Application forms can be obtained at: <http://www.state.il.us/cms/persnl/download/cms100.pdf>



Washington State

JOB FLASH! The Washington State Division of Radiation Protection expects to fill several Radiation Health Physicist positions this December, in the Tumwater and Richland offices. Anyone interested should apply immediately.

To be considered for employment, individuals must be on the state employment register for the RADIATION HEALTH PHYSICIST 2 <http://hr.dop.wa.gov/statejobs/bulletins/current/21107oc.htm> (\$3637-4653 per month), or RADIATION HEALTH PHYSICIST 3 <http://hr.dop.wa.gov/statejobs/bulletins/current/21108oc.htm> (\$3916-5015 per month).

To be placed on a register, you must send a completed Washington State job application to the Washington State Department of Personnel. You may download the basic application form from the Department of Personnel <http://hr.dop.wa.gov/>. To find out more about the registers for the Radiation Health Physicist series, check the open job listings <http://hr.dop.wa.gov/statejobs/jobs.htm> under the career heading of "Architecture, Engineering, Planning, & Right of Way." Follow the instructions found there to submit the application and your response to the test questions. The Department of Personnel will mail your score to you, but cannot tell you your ranking on the list of job applicants. Since openings may occur and be filled at any time, it is essential for you to be on the register in order to be considered for future employment.

For further information, please feel free to contact Gary Robertson at (360) 236-3210, or email gary.robertson@doh.wa.gov.



Retirements



Name	Effective Date of Retirement
Paul Clemons (VT)	October 2002
Ray McCandless (VT)	December 2002

On behalf of the CRCPD membership, we extend a special thanks for your involvement in the CRCPD. congratulations and best wishes for a well deserved, most pleasant, and rewarding retirement.



What's new on CRCPD's website

By Lin Carigan (OED)

New search engine

CRCPD has incorporated the power of the *GOOGLE* search engine into our website. Whether you need to locate a specific reference on our website or search the rest of the World Wide Web, just click on "Search our Site" and you will have the power of *GOOGLE* at your fingertips.

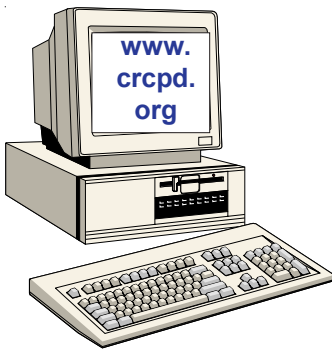
Mammography Training Course Announced

CRCPD will be offering a mammography continuing education course in Anaheim, California, in conjunction with the Annual Meeting. General information and a preliminary agenda are at both "Mammography" and "Meetings and Workshops," Mammography Continuing Education-2003.

Documents Updated/Published

Many of the forms and charts maintained by Terry Devine of our staff have been updated since the *October Newsbrief*. These include:

- "Free Documents/Commercial"
 - 'Some Portable Gamma Ray Spectroscopy Devices'
 - 'Portal Radiation Monitoring (and Related Equipment)'
- "Free Documents/Orphan Source Documents"
 - 'Dealing with Discovered Radioactive Material; Contingencies and Resources'
- "Free Documents/Transportation"
 - 'Authorities Registered with CRCPD to Approve Scrap Shipments'



What's new (continued)

- 'Notes on the Scope and Use of DOT Exemptions through CRCPD'
- "Publications/Technical/X-ray: NEXT (Nationwide Evaluation of X-Ray Trends)"
 - Publication of *Nationwide Evaluation of X-Ray Trends (NEXT) Tabulation and Graphical Summary of 1996 Fluoroscopy Survey*

Working Group Information

- "Secure Sites/Members Only/Working Groups/About Working Groups"
 - Working Group Hours Donated Hours
 - List of Working Groups
 - Travel Expense Form
 - Travel Advance Form

Positions and Resolutions

- "Positions and Resolutions/Recognitions" Robert M. Hallisey



Group email problem

By Bruce Hirschler (OED)

Recently, CRCPD has experienced a great deal of difficulty sending e-mail to many of the states. It seems that most state networks now screen their computer systems for spam. Due to the large number of members that the CRCPD e-mails on a regular basis, we have been mistaken for spammers by more than a few state networks. As a result, we have changed our format for distributing the *Newsbrief*. Beginning with this issue (December 2002), we will send an e-mail to everyone that receives delivery of the *Newsbrief*. You will see only your name or e-mail address appear on the address bar of your e-mail browser. There will be no attachment. The e-mail will contain a brief message about the availability of the *Newsbrief* along with an active web link. Most people will be able to click on the link and instantly download the *Newsbrief* from the CRCPD website. If for some reason your system does not support this feature, you may also copy the link into your browser address bar. Either way, everyone should be able to access the *Newsbrief* quickly and effectively. Please contact me at <bhirschler@crcpd.org> if you continue to experience difficulty.



Board approves proposed update to CRCPD resolution

By Patricia Gorman (OED)
Administrative Officer

The Board approved a proposed update to the CRCPD resolution regarding discrete radium waste management (WM-1) that was provided by the E-5 Committee on Radioactive Waste Management, chaired by Gary Robertson (WA). This proposed resolution has been emailed to Director Members with a request that it be reviewed by the state staff in advance of being submitted to the Members at the May 2003 annual meeting. It has also been posted on CRCPD's website./ If there are needed changes, Director Members are requested to submit their comments to Ron Fraass, Executive Director via email at <rfraass@crcpd.org>.



Have a Happy Holiday Season!!



NCRP “Computed Tomography (CT): Patient Dose” Symposium November 6 & 7, 2002

By David Allard (PA), Liaison

As liaison to the National Council on Radiation Protection & Measurement (NCRP) for the Conference of Radiation Control Program Directors (CRCPD), I attended a special NCRP symposium on CT and patient dose. This symposium brought together various state and federal regulators, radiologists, radiation biologists, medical physicists, professional association representatives and CT scanner manufacturers to discuss several emerging concerns with CT. Specifically, these concerns relate to: the increased use of CT in medical diagnosis in the USA; the relatively high radiation doses associated with CT procedures; data processing that allows adequate image formation even when more radiation than necessary is delivered; self-referral CT Screening; medical efficacy and the economics of CT use; the various phantoms used for measurement, calculation and appropriate description of patient dose; and approaches needed to reduce radiation exposure, in particular - with pediatric patients. Numerous presenters provided a wide range of information on CT and patient dose.

Interested readers should review the abstracts linked below, and watch for future availability of slide presentations on the CRCPD and/or NCRP web sites.

<http://www.ncrp.com/>

<http://www.crcpd.org/>

http://www.crcpd.org/PDF/ncrp-ct_symp.pdf

Lee Rogers began the first session with a short history of CT in medicine, noting it is now an indispensable tool but not enough attention has been paid to patient dose, in particular with pediatric patients, and that the recent interest in peer reviewed journals and media was needed to focus efforts to optimize patient dose and image quality. Next Fred Mettler discussed the growing use of CT, the multiple scans that may be done in a given study, the new fusion of CT and PET, and the need for involvement and increased radiologic technologist training related to patient radiation dose. Eric Hall gave a summary of the biological effects with low LET radiation gleaned from the A-bomb survivor follow-up studies, how CT scans can produce patient doses in the lower dose range of observed biological effects, and that in his view, in some cases we are not dealing a linear-no-threshold extrapolation scenario - but a probabilistic one. The next two presentations were quite good. Howard Forman presented his analysis of the economic and clinical drivers related to the growth of CT, how supply and demand considerations affect cost and quality, the potential “moral hazard” of physicians’ behavior in ordering CT studies when a patient has insurance, and the more recent “market distortion” with CT screening. Cynthia McCollough gave an timely overview of the factors impacting absorbed dose, the complex dose

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descriptor definitions such as weighted and volume average CT Dose Index (CTDI), the move toward a new International Electrotechnical Commission (IEC) standard, the calculation of patient effective dose, and the work she has done in her institution to develop specific technique charts for each CT unit, optimized for image quality and patient dose reduction. Her second presentation in the afternoon session on the technical aspects of filtration, collimation, mA modulation, automatic exposure control, etc., was equally well done.

As a sidebar, those interested in CT technology and the technical aspects of patient dose calculation, may want to check out the web site of the ImPACT group, the United Kingdom's (UK) CT scanner evaluation center, funded by their Medical Devices Agency. It appears they had a similar meeting this past July, and have posted the presentation materials. See -

<http://www.impactscan.org/index.htm>

<http://www.impactscan.org/impactdayslides.htm>

Stanley Stern from FDA gave a presentation of preliminary results of the FDA analysis of the National Evaluation of X-ray Trends (NEXT) 2000 - 2001 CT examination survey performed by CRCPD state members. Based on the NEXT survey, Dr. Stern estimates in the USA some 7,800 facilities are performing 57 +/- 8 million CT exams annually, and that the NEXT survey indicates effective doses are lower for helical vs. axial scanning techniques. Michael McNitt-Gray presented a review of the trade-offs of image quality and dose in CT in the morning session, and in the afternoon, reviewed the medical physicist's role in testing and specification of CT equipment; noting an American Association of Physicists in Medicine Task Group is working on these matters. Joseph Ferruci discussed clinical applications of CT, in particular, how it is reducing the need for surgery in some cases, and how CT has becoming the "standard of care" with head trauma.

Of significant interest to the writer, was Bruce Hillman's presentation on the clinical and economic considerations for CT screening. In Hillman's discussion of CT screening of asymptomatic individuals, he reviewed the implications of the four finding outcomes of: true negative, false negative, true positive or false positive. He noted marketing of CT Screening to the public emphasizes the early detection of disease, but there are possible harmful impacts for the individual patient and society in general. Thus, such potential harm dictates the need for large randomized clinical trials for specific CT screening studies (e.g., lung, heart calcium scoring, virtual colonoscopy). Donald Frush presented a strategy to reduce pediatric patient dose by the use of appropriate

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clinical indicators, adjusting technique factors, and limiting scan coverage to the area of clinical interest. Peter Dawson discussed a UK study indicating a factor of forty variation in CT patient dose, that effective dose is useful for comparisons, and in his view, the "evidence" is not strong for potential dangers to the patient. Robert Brent gave an overview of the benefit of pediatric CT studies, past studies of x-ray exposure for biological effects (e.g., TB fluoroscopy increasing breast cancer risk), and the possible need to do the same with children to determine any increased cancer risk.

In the afternoon session several CT scanner manufacturers gave technical presentations on the innovations they're working on or have implemented to reduce and/or record patient dose. This includes the areas of: beam filtration / shaping, pre- and post-patient collimation, patient thickness setting, attenuation-based beam modulation, focal spot control, automatic exposure control (AEC), CTDI display, etc. James Brink gave a presentation on the American College of Radiology's new CT Accreditation Program, where a voluntary application will precipitate an evaluation of personnel qualifications, equipment performance, clinical images and exam protocol, and certain reference doses. Anne Edwards reviewed the need for advanced training and education of CT Radiologic Technologists (RTs) to help reduce patient doses. Jill Lipoti discussed the states' role in regulatory and non-regulatory approaches in reducing patient doses. She noted the federal government needs to review their regulations with respect to new equipment, states should continue testing and assisting users to optimize existing equipment, and state Medical Boards should actively evaluate the criteria for CT screening of asymptomatic patients. Thomas Shope presented the FDA's role in promoting lower radiation exposure with CT use, including possible regulatory amendments related to AEC, collimation and dose terminology and display. He also discussed the use of Diagnostic Reference Levels (DRLs) to help benchmark optimum patient doses, and trigger investigations when DRL bounds are exceeded. Lastly, the first day's sessions ended with a presentation by Otha Linton, who discussed the perception of risk, past studies that have shown radiation effects, and how we need to educate the public and consumer groups on the benefit/risk of medical x-ray procedures, e.g., with CT Screening.

The symposium was very informative, with the second day morning devoted to breakout sessions to address specific concerns related to education, equipment / ALARA, policy / regulation, and the clinical aspects of CT. The writer attended the policy / regulation session moderated by Jill Lipoti and Howard Forman. Discussions in this session related to the ACR CT Accreditation Program, performing a NEXT CT survey every three years, licensure of RTs, developing standard of care "appropriateness criteria" for referring physicians, states establishing

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and enforcing QA/QC programs, physician radiation protection training, and placing technique and scan information in the patient's record for possible future dose reconstruction and epidemiological studies. All of the breakout session discussion points were recorded and collectively reviewed in the final session. It is expected this information will be published for follow-up by NCRP and the CT user / manufacturer / regulatory community.

Overall, this was an excellent symposium, and the NCRP, organizers, presenters and participants are to be commended for a very timely and informative program. My only disappointment is that CT Screening was not discussed in more detail. Specifically, a review of pertinent past and current clinical research would have been useful, as would a update of current position statements by relevant professional societies. The writer and his staff have attempted to do this as part of their regulatory oversight of CT Screening in the Commonwealth.

Those interested in CT Screening and the concerns raised nationally and in the Commonwealth, should go to the web site below -

http://www.dep.state.pa.us/dep/deputate/airwaste/rp/Radiation_Control_Division/CT_Screening.htm

Perhaps another meeting in the near future could focus on CT Screening and the actual application of NCRP Commentary No. 13, which discusses the concept of efficacy in diagnostic radiology (i.e., justification of medical radiation exposure).

CRCPD Board of Directors

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Abbreviations, acronyms, and initialisms

Below is a list of abbreviations, acronyms, and initialisms that may appear in this issue:

CDRH	FDA's Center for Devices and Radiological Health
DOE	Department of Energy
DOT	Department of Transportation
EMF	electric and magnetic fields
EPA	Environmental Protection Agency
FDA	Food and Drug Administration
FEMA	Federal Emergency Management Agency
MQSA	Mammography Quality Standards Act of 1992
NEXT	Nationwide Evaluation of X-Ray Trends
NIST	National Institute of Standards and Technology
NRC	Nuclear Regulatory Commission
OED	CRCPD's Office of Executive Director
ORA	FDA's Office of Regulatory Affairs
SSR/SSRCR	Suggested State Regulations for Control of Radiation

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The *NEWSBRIEF* is written with regard to 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.

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