



Conference of Radiation Control Program Directors, Inc.

NEWSBRIEF

www.crcpd.org

A Partnership Dedicated to Radiation Protection

October 2020

Message from Chairperson Kim Steves

As October comes to an end and we start thinking about holidays I still find myself amazed at how much our daily lives have changed in less than a year. My days are now filled with virtual meetings and time spent working from home.



This virtual life is also the new norm for your CRCPD Board. We are making excellent use of the new virtual platform “OnBoard” which we purchased for managing the business of the CRCPD. It has proven to be extremely helpful in managing our data and information in a user-friendly way.

U.S. Nuclear Regulatory Commission and Organization of Agreement States Meeting

Jeff Semancik, Angela Leek, Ruth McBurney, and I met virtually with the Commissioners from the U.S. Nuclear Regulatory Commission (NRC) on October 8. The Organization of Agreement States (OAS) also participated in this meeting. **We met with the whole Commission and each CRCPD and OAS representative presented on specific topics. We were also able to meet one-on-one with each Commissioner.** During the main meeting we first introduced our two organizations and provided an overview of the OAS and CRCPD and how we differ.

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Message from Chairperson *(continued)*

NRC and OAS Meeting

“The Commissioners were also interested in more in-depth discussion of the training and experience of authorized users, the two-person rule for industrial radiography operations, and lessons-learned during the pandemic regarding operation of the state radioactive materials programs.”

Kim Steves

Virtual Life: The New Norm for CRCPD Board - *continued*

The topics we discussed during the full meeting included:

- specific COVID-19 response activities conducted by each organization and ongoing challenges from the pandemic;
- the national materials program and the OAS/NRC Champions;
- the value of the NRC training;
- recruitment of health physicists;
- collaboration efforts of the CRCPD;
- the issue of foreign-sourced americium;
- the general license program;
- nuclear medicine extravasations;
- training and experience for authorized users;
- very low-level radioactive waste; and
- opportunities for transformation with the CRCPD suggested state regulations.

During the one-on-one meetings one additional topic which received focused attention was fusion regulation and ensuring that Agreement States have representation with the NRC working groups on this topic. The Commissioners were also interested in more in-depth discussion of the training and experience of authorized users, the two-person rule for industrial radiography operations, and lessons-learned during the pandemic regarding operation of the state radioactive materials programs. **We are very appreciative of the time which the Commissioners gave to us to discuss these important topics.**

Federal Radiological Preparedness Coordinating Committee Meeting

On September 8, members of your CRCPD Board along with Ken Evans (IL) participated in the Federal Radiological Preparedness Coordinating Committee (FRPCC) meeting. We have been working hard to gain access back into these meetings. Topics presented by CRCPD included radiological emergency preparedness considerations during the pandemic; our letter to the U.S. Occupational Safety and

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Message from Chairperson *(continued)*

Exercise Exemptions

“Along the lines of biennial exercise exemption requests, I know that many states are struggling with this issue and with conflicting messages received from NRC and FEMA.”

Kim Steves

Virtual Life: The New Norm for CRCPD Board - *continued*

Health Administration (OSHA) encouraging them to consider revising their radiation regulations to ensure they are harmonized with federal, local, state, and tribal regulations; and biennial exercise exemption requests.

Along the lines of biennial exercise exemption requests, I know that many states are struggling with this issue and with conflicting messages received from NRC and the U.S. Federal Emergency Management Agency (FEMA). **I want to give a shout-out to the HS/ER-5 Committee on Emergency Preparedness and how they’ve stayed on top of the issue.** There have been multiple communications and correspondence back and forth between the CRCPD and the NRC and FEMA on this topic. The most recent letter was sent by the CRCPD Board on October 22 to FEMA discussing the need for NRC and FEMA to reach an agreement on exemptions.

HS/ER-5 also was instrumental in drafting the comments which were submitted by the CRCPD on September 25 to the Federal Register on the U.S. NRC’s proposed rule for Emergency Preparedness for Small Modular Reactors and other new technologies.

X-ray Topics and Trends Conference Calls

On the topic of X-ray, don’t forget that every month on the first Tuesday at 2:00 p.m. Eastern, the H-7 Committee on Diagnostic X-ray hosts an “X-ray Topics and Trends” conference call for the state radiation programs. Many states participate in these calls, and if you haven’t joined one recently, I encourage you to check them out. We’ve found them so helpful in providing timely information on issues and technologies. If you are not receiving invitations to the meetings, please contact Rikki Waller (ID) to be added to the contact list. The most recent call on October 6 included informative discussions on:

- X-ray inspections during the pandemic;
- bone density units;
- Instadose dosimeters;
- X-ray regulations;
- fluoroscopy operator requirements; and
- linear accelerators in veterinary facilities.

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Message from Chairperson *(continued)*

FHFA and AARST

“... we emphasized that it is crucial that there is a consistent radon policy across the different organizations for radon testing and radon mitigation in multi-family buildings which uses nationally accepted standards....”

Kim Steves

Virtual Life: The New Norm for CRCPD Board - *continued*

Federal Housing Finance Agency and American Association of Radon Scientists and Technologists Conference Call

In response to an October 7 letter sent by the CRCPD Board to the Federal Housing Finance Agency (FHFA) requesting a meeting to discuss recommendations on how to improve the Government-Sponsored Enterprises (Fannie Mae/Freddie Mac) radon policies, on October 22 Joshua Kerber (MN) and I participated in a conference call with representatives from FHFA along with our partners at the American Association of Radon Scientists and Technologists (AARST). During that call we emphasized that it is crucial that there is a consistent radon policy across the different organizations for radon testing and radon mitigation in multi-family buildings which uses nationally accepted standards, and which avoids any conflicts with state radon laws. **Our message appeared to be well-received and we look forward to working more closely with FHFA and AARST on these policy changes.**

State ROSS Coordinators Resolution

The HS/ER-4 Committee for Evaluation of Guidelines, Resources and Tools for Radiological and Nuclear Emergency Response and Recovery has been working very hard this year to continue to expand the Radiological Operations Support Specialist (ROSS) cadre. **At the CRCPD Business Meeting in May, our members passed a resolution to establish State ROSS Coordinators.** If you haven't already received it by the time you read this newsletter, be on the lookout for an email providing more information on the next steps in naming a State ROSS Coordinator for your state.

CRCPD Board Meeting

And finally, the CRCPD Board will be meeting virtually in early December for our Fall Board Meeting and 2021 conference planning. **I look forward to telling you all about the new and exciting things going on with our organization in the next newsletter following that meeting!**

I continue to hope everyone is able to stay safe and healthy during these uncertain times and appreciate the support of all the volunteers who dedicate their time to continue to help move our organization forward.



Greetings from Your Executive Director



Ruth E. McBurney, CHP

2021 Conference

“Another part of the fall schedule is to begin work on next year’s annual conference, currently scheduled for May 17 – 20, 2021, in Danvers, MA.”

Ruth E. McBurney

Happy Autumn!

Happy Autumn!

As we come to this time of year, it is the season to celebrate some of the great strides that have been made in radiological health and related medical progress. First of all, October is Breast Cancer Awareness Month. A significant part of the advancement that has been made in early detection of breast cancer, and thus better likelihood of cures is credited to mammography. Quality mammography and new advances in imaging are key to early detection. **I would like to give a “shout out” to all those mammography inspectors, accrediting bodies and certifying agencies who are assuring that mammography facilities are maintaining quality in their mammography services, and also to the medical physicists who play a significant role in maintaining quality in diagnostic and therapeutic radiation related to breast cancer detection and treatment.**

I would also like to acknowledge and congratulate all of you who are radiation protection professionals as we celebrate Radiation Protection Professionals week during November 8 – 14 this year. **You deserve praise, especially this year, for your innovation in continuing to provide good radiation protection and radiation control actions in the midst of a pandemic.** Kudos to all of you!

Autumn is also the time that the Finance Committee of CRCPD puts forth our annual budget for the coming year. **I want to assure the membership that as we go into 2021, we are in a good financial position, especially if all goes well with pending federal grants.** The Board will be meeting (virtually, of course) in early December and will consider the new budget for approval at that time.

Another part of the fall schedule is to begin work on next year’s annual conference, currently scheduled for May 17 – 20, 2021, in Danvers, MA. If we are still not able to meet in person, we are considering setting up a virtual conference, similar to that which other organizations have done and are continuing to plan. You will be hearing more about this as we proceed with planning in December. **In the meantime, if you are interested in presenting, please send an abstract to Mendy Cremeans at our office at mcremeans@crcpd.org.**

Enjoy the cooler weather and stay safe!



National Radiation Protection Professionals Week

*The Conference of Radiation Control Program Directors, Inc.
announces the celebration of
National Radiation Protection Professionals Week
November 8 -14, 2020*

Coinciding with the anniversary of the discovery of x-rays by Wilhelm Conrad Roentgen on November 8, 1895, the week is dedicated to recognizing radiation protection professionals who provide leadership in protecting the public from the hazards of radiation. The dedicated work of these individuals ensures that radiation and radioactive materials are used safely and beneficially in industry, medicine, academia, energy, and government sectors, while protecting the public and environment from adverse effects of excessive radiation exposure.

CRCPD, with more than 50 years of operation as a non-profit organization of radiation protection professions, has members in radiation control programs in all the states, the District of Columbia, and U.S. territories, and operates domestically as well as internationally.

The mission of CRCPD is to promote consistency in addressing and resolving radiation control issues, to encourage high standards of quality in radiation protection programs, and to provide leadership in radiation safety and education. More information on radiation can be found at <http://www.CRCPD.org>

The CRCPD Resolution on Radiation Protection Professionals Week is published in this Newsbrief to honor and congratulate all radiation protection professionals.





CONFERENCE OF RADIATION CONTROL PROGRAM DIRECTORS, INC.

RESOLUTION

Relating to: National Radiation Protection Professionals Week

WHEREAS: Wilhelm Conrad Roentgen discovered X rays on November 8, 1895; and

WHEREAS: Soon after, natural radioactivity was discovered in March of 1896 by Henri Becquerel, and

WHEREAS: In the late 1890s, Marie and Pierre Curie discovered the new elements polonium and radium, and

WHEREAS: Radioactive Materials and Radiation are a useful and necessary part of our modern world; and

WHEREAS: Acute and low-level radiation exposure is potentially harmful to people; and

WHEREAS: Man-made and concentrated natural radioactivity can cause environmental contamination; and

WHEREAS: Protection of the homeland involves radiation safety, security and response capabilities; and

WHEREAS: Radiation Protection Professionals work with government, industry, medical, educational, and private entities to serve as sources of information and bring the benefits of X rays, radiation and radioactivity to the public while minimizing the hazards of radiation exposure; and

WHEREAS: Radiation Protection Professionals provide scientific expertise, training, support, coordination and information to national and international communities regarding prevention of, responses to, and recovery from radiation accidents; and

WHEREAS: The Conference of Radiation Control Program Directors, Inc. supports efforts to encourage all citizens to recognize the importance of Radiation Protection Professionals who provide necessary leadership in protecting the public from the hazards associated with radiation.

NOW BE IT RESOLVED:

That November 8-14, 2020 is National Radiation Protection Professionals Week.

That the weeklong observance is dedicated to recognizing Radiation Protection Professionals for their contributions to public safety.

On behalf of the members of the Conference of Radiation Control Directors, Inc., I am pleased to recognize November 8 - 14, 2020 as National Radiation Protection Professionals Week.

CRCPD Chairperson



CRCPD Issues Mini-Grants for Radon Risk Reduction

Radon Mini-Grants

CRCPD is pleased to announce the issuance of 11 mini-grants to state, tribal and local organizations to assist in national efforts to lower the risks from indoor radon. CRCPD received a total of 28 applications from organizations, tribal programs, universities and local health departments. The applications were evaluated by

CRCPD's Committee on Radon, and those chosen for mini-grants were based on the committee's reviews and scoring, as well as available funding.

Priority was given to applicants interested in conducting activities in one or more of the following areas:

- Projects that increase activity in radon prevention/mitigation in real estate and/or Radon Resistant New Construction (RRNC) activities that are designed to provide real risk reduction in high radon areas;
- Activities that include Radon Action Month; and/or
- Outreach projects that can be sustained or replicated and whose impact will result in a significant increase in visibility, awareness, knowledge, and action.

The organizations and other entities chosen to receive mini-grants this year are as follows:

NAATPN, Inc.

Utah Radon Coalition

Saline County, KS

Johns Hopkins Bloomberg School of Public Health

Energy Association of Iowa Schools

State Hygienic Laboratory University of Iowa

University of Colorado Denver

University of Kentucky Research Foundation

Union County Ohio Health Department

American Lung Association-Virginia

Prairie Band Potawatomi Nation



ROSS Program Updates

Updates on Ross Program

by Angela Leek, CHP (IA)

The Radiological Operations Support Specialist (ROSS) Program has been busy over the last few months and is excited to share some important developments in the management of the current cadre of ROSS.

As many of you know, the ROSS was created to fill a gap in radiation emergency preparedness and response in the nation – a lack of subject matter experts at the state and local level available to help decision-makers with the unique challenges in the aftermath of a radiological or nuclear incident. The ROSS was created in a joint effort of the:

- Department of Energy (DOE) National Nuclear Security Administration (NNSA);
- Department of Homeland Security (DHS) Science & Technology Directorate National Urban Security Technology Laboratory (NUSTL); and
- Department of Homeland Security (DHS) Federal Emergency Management Agency (FEMA).

ROSS is now officially a National Integration Center/National Qualification System (NIC/NQS) typed resource. The ROSS Steering Committee is composed of representatives from DOE NNSA, NUSTL, FEMA Chemical, Biological, Radiological and Nuclear (CBRN) Office, and the CRCPD.

Since 2016, the ROSS Program has trained 102 individuals and is looking forward to training even more over the course of the next year.

CRCPD's Homeland Security/Emergency Response Committee 4 (HS/ER-4), chaired by Bill Irwin (VT), is tasked with supporting the ROSS Program by identifying, training and assisting in the qualification of ROSS. **Over the past few months, the HS/ER-4 Committee has implemented and coordinated several initiatives to continue the cultivation of the ROSS and to strengthen the overall ROSS program.**

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Updates on Ross Program - *continued*

ROSS Program Updates

Initiatives

Creation of ROSS Mentoring Teams

In an effort to provide support and a sense of community, six ROSS mentoring teams have been formed around geographic and strategic coordination patterns to facilitate teamwork and support among all ROSS in the group. The teams are led by a Type 1 ROSS and consist of approximately sixteen individuals working on Type 1, Type 2 or Type 3 position task books (PTB). All six mentoring strike teams have recently kicked off their initial meetings with introductions of members within the group, discussion and support for documentation of task sign off in the PTB, and coordination of efforts to complete competency maintenance assignments.

Development of Competency Maintenance Problems and Continuing Education Opportunities

The HS/ER-4 Committee has been active in developing competency maintenance problem set activities, as well as coordinating and sharing of continuing education opportunities designed to help ROSS advance through the ROSS position types. **The challenging competency maintenance problem sets that are issued quarterly to ROSS allow ROSS to complete required tasks within their PTB, and the committee has also created a ROSS Community of Interest (COI) website on the Homeland Security Information System (HSIN) to help manage these competency maintenance problems and facilitate collaboration among the ROSS.**

Updates on Ross Program - *continued*

ROSS Program Updates

Initiatives - *continued*

State ROSS Coordinator

The designation of a State ROSS Coordinator for each state was voted on by the CRCPD Director Members at the business meeting in May 2020, and will be an important coordination element between the ROSS program and each state to assist with some elements of cadre management and socialization for the ROSS. **State ROSS Coordinators, who may or may not work for the RCP, provide the key interface to ensure clear roles and responsibilities exist between the RCP and ROSS in the state.** The specific tasking for each coordinator may vary by state, but it is up to each state's RCPD to decide how to use their State ROSS Coordinator beyond fulfilling the minimum critical roles. These minimum critical roles include sharing ROSS-related information within their state, connecting individuals, agencies and response organizations interested in learning more about ROSS to the resources available, maintenance of a list of ROSS within their respective state, and assisting potential ROSS with connection to the State Training Officer to access ROSS and radiation emergency response courses.

A letter will be coming out soon to all RCPD's to ask for their assistance in identifying a State ROSS Coordinator for their state. This letter will also include a fact sheet that describes how RCPDs and the State ROSS Coordinator fit into the bigger picture of ROSS cadre management, as well as more details on the anticipated minimum roles of the State ROSS Coordinator and anticipated support that will be provided by the ROSS Steering Committee and the agencies they represent. The CRCPD HS/ER-4 Committee will also to provide coordination and support for the RCPDs and State ROSS Coordinators as this new aspect of the program is initiated.

Updates on Ross Program - *continued*

ROSS Program Updates

Initiatives - *continued*

National Emergency Management Association (NEMA) - Emergency Mutual Aid Compact (EMAC) Integration of ROSS

As a NIC/NQS typed position, the ROSS is automatically included in the catalog of resources that states can request for support through the EMAC process. The ROSS program team is coordinating with NEMA to socialize the ROSS position within the NEMA/EMAC community, as well as create “mission ready” packages to assist states in requesting a ROSS through the EMAC process.

We invite you to join a webinar on November 17, 2020 if you are interested in learning more about EMAC and how resources like the ROSS in FEMA’s Resource Typing Library may be requested as mutual aid between the states. Please contact Bill Irwin at william.irwin@vermont.gov if you would like a link to this webinar.

All of this significant progress within the ROSS program to date is the direct result of hard work by the volunteers of the CRCPD who are willing to give substantial time and effort and we thank them for their contributions to this important national effort.



Free Webinar on November 11, 2020*

X-rays at 125 Years: The Story of a Serendipitous Discovery Through Diligent Development

**Wilhelm Conrad Röntgen, Discoverer of X-rays, and
William David Coolidge, Inventor of the Modern X-ray Tube**

by David J. Allard, CHP (PA)

As with most major discoveries, there are incremental observations and often theoretical analyses that lead to a final momentous breakthrough. This was not the case with the discovery of X-rays 125 years ago this year. In fact, a serendipitous discovery by Wilhelm Conrad Röntgen of immense consequence actually occurred during a repeat of another physicist's experiment. On about November 8, 1895, Röntgen was examining the range of cathode rays (electrons) in air from a modified Crookes tube. He was applying very high voltage to a discharge tube that had a window to allow the cathode rays to exit into the surrounding air. Röntgen was using a paper screen coated with barium-platinum cyanide that would fluoresce when the rays interacted with the screen. Depending on their energy, the range of cathode rays in air will vary up to a few centimeters. To prevent interference from the low-level light from the tube, he covered it. As his research proceeded, he noticed the screen would glow up to two meters from the tube. As a brilliant experimental physicist, he fully evaluated his observation before announcing it. He named these invisible rays "X-rays" as they were hitherto unknown, and published a paper in late December 1895 entitled "A New Kind of Rays." In this paper he presented the vast majority of

the properties of X-rays. These properties included: they radiated from a point on the tube's glass wall being struck by the cathode rays; their ability to penetrate paper, a 1,000 page book, glass, flesh, and various metals of differing thickness; their ability to penetrate matter was a function of the induction coil spark gap; the inability to refract in water, a prism, or mica; no marked reflection was found with any substance examined; and, the intensity of the X-rays varied by the inverse square of distance. But as an avid photographer, Röntgen noted they darkened photographic plates as well. So during the course of his investigations he produced images of the barrel of a shotgun, other inanimate objects, and his wife's hand on photographic plates. It was this aspect of X-rays that quickly led to their use in medicine, in particular, the imaging broken bones and finding foreign bodies (e.g., bullets). However, after his initial investigations, Röntgen did little more research with X-rays. Röntgen was given many awards for his discovery, including the first Nobel Prize in Physics in 1901. However, the cold cathode tubes employed for medical imaging were very inefficient in X-ray production, unstable, unable to penetrate thick body areas, and took a significant period of time to produce an image on a plate. Those limitations were

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X-rays at 125 Years: The Story of a Serendipitous Discovery Through Diligent Development - *continued*

overcome by William David Coolidge (1873-1975), who was a physicist, chemist, research scientist, and inventor of the modern X-ray tube. Besides Röntgen, with his 1895 discovery and subsequent studies of X-rays, perhaps no other individual contributed more to the advancement of X-ray technology than did Coolidge.

William D. Coolidge was born in Hudson, MA and received his Bachelor of Science degree from MIT in 1896. That same year he went to Europe to study under renowned physicists of the time. Coolidge received his Ph.D. *summa cum laude* from the University of Leipzig in 1899 and soon after joined the staff of MIT. While studying at Leipzig, he met Roentgen. In 1905 he was asked to join the newly established General Electric Research Laboratory in Schenectady, NY. He promptly began fundamental work on the production of ductile tungsten filaments as a replacement for fragile carbon filaments used in incandescent light bulbs. This improved light bulb was brought to market by GE in 1911. It was the subsequent application of his tungsten work that led Coolidge to his studies in X-ray production. Circa 1910, the state-of-the-art X-ray tube was a "gas tube" or "cold cathode" type tube. These crude X-ray tubes relied on residual gas molecules as a source of electrons for bombardment of low to medium atomic number metal targets. In 1912 Coolidge described the use of tungsten as an improved anode target material for X-ray production. Shortly after in 1913 he published a paper in *Physical Review* describing "A Powerful Roentgen Ray Tube With a Pure Electron Discharge." This tube used a tungsten filament as a thermionic source of electrons under high

vacuum to bombard a tungsten anode target. Great improvements in X-ray tube stability, output and performance were obtained with the "hot cathode" or "Coolidge tube." With some variation in filament and target geometry, this (over) 100 year old invention is the same basic X-ray tube used today in medicine, research and industry. In 1932 Coolidge became Director of the GE Laboratory, then in 1940 Vice-President and Director of Research. Coolidge lived to be over 100 years old, he had 83 patents to his credit, numerous awards and honorary degrees, and in 1975 was elected to the National Inventor's Hall of Fame. At the time he was the only inventor to receive this honor during his lifetime. Dr. Coolidge was also the first recipient of the American Association of Physicists in Medicine's highest science award - named in his honor. From interview notes with Coolidge's son Lawrence in the mid-1990s, previous biographies, publications, books, GE literature, historic photographs, a 1874 stereoview card with the one-year old "Willie Coolidge," and other artifacts in the author's collection, the writer will review Röntgen's discovery, with the main focus on Coolidge's amazing life, work, accomplishments and awards. There will also be a brief review of the many current applications of X-rays in medicine, research and industry.

**This virtual event is hosted by The College of Physicians of Philadelphia on November 11th at 5:30PM [ET]. David J. Allard, CHP (PA) recorded the session and will be available for Q&A. To register for the webinar, go to: <https://www.eventbrite.com/e/x-rays-at-125-years-tickets-121753900193>*



International Conference on Radiation Safety

For information visit

<https://www.iaea.org/events/international-conference-on-radiation-safety-2020>

Coming Up: Fully Virtual IAEA Radiation Safety Conference



Radiation safety experts worldwide are invited to take part in sharing practical experience of implementing the IAEA safety standards to protect workers, patients, the public and the environment from natural and artificial radiation sources, at a fully virtual IAEA conference from 9 to 20 November. The virtual conference has been extended from a one week period to two weeks.

More than 600 participants have been designated through their national authority to participate, many of which will be delivering oral presentations and displaying posters based on their research online at the event.

Note: *Although the deadline to apply to present has passed, anyone interested in joining the discussions and listening to the presentations can visit <https://www.iaea.org/events/international-conference-on-radiation-safety-2020> for information. View-only livestream access will be available on the conference website. Also see the website for information on the special programme for students and professionals aged 35 years and younger.*

For more information, contact view the website or follow #RASA2020 on social media.



Call for Papers**53rd Annual National Conference on Radiation Control**

You are invited to present a paper at the 53rd Annual National Conference on Radiation Control that will be held in Danvers, Massachusetts, May 17 – 20, 2021.

If you are interested in presenting a paper, please submit your topic along with a brief summary to mcremeans@crecpd.org. Topics should be submitted no later than November 6, 2020, for consideration by the Program Planning Committee.

Please Note: Acceptance of a submitted paper does not imply that CRCPD will pay the travel expenses for the speaker.

Thank you,

Mendy Cremeans

Executive Office Manager

Conference of Radiation Control Program Directors, Inc.

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*In Memoriam***CHARLES M. “CHUCK” HARDIN**

Charles Marion (Chuck) Hardin Jr., CRCPD’s first Executive Director and both an Associate and Director Member and leader during the early days of the organization, passed away Monday, October 5, 2020 in Frankfort, KY.

Chuck was born January 25, 1935 in Cynthiana, KY, the son of Jane Box Humphrey and Charles M. Hardin Sr. He graduated from Cynthiana High School in 1953. He obtained a Bachelor’s Degree in Biology and Chemistry from Georgetown College and a Master’s Degree from the University of Oklahoma in Radiological Health & Sanitary Science.

In 1981, Chuck Hardin was hired as the first Executive Secretary of CRCPD and established the Office of the Executive Secretary in Frankfort, KY. During the 1988-89 conference year, the Board of Directors changed the title of the chief executive officer to Executive Director since the duties had changed to become more directly involved with technical issues and oversight of grants. Therefore, the office in Frankfort was also changed to the Office of the Executive Director. Chuck stayed in that position until his retirement from the position in 2000. He stayed on in a part-time role to assist and to fill in when needed for several years after that.

Prior to his employment with the CRCPD, Mr. Hardin was a Research Analyst with the Kentucky Legislative Research Commission, and prior to that he was director of the Kentucky Radiation Control Program. He served as Chairperson of CRCPD during the 1974-75 conference year.

Mr. Hardin received several awards during his professional career, including the Gerald S. Parker Award of Merit in 1993, which is the highest award offered by CRCPD. He won the Hartman Lecture Award, bestowed on the keynote lecturer at the Radiological Centennial of the discovery of X-Rays. He also received the federal Food and Drug’s Special Citation for outstanding work in the field of radiation protection.

Mr. Hardin served on various national organizations, including chairman of a federal committee that provides recommendations to the federal government in the administration of Public Health Act on Radiation Protection. He was a member of a committee of the National Commission on Radiation Protection and Measurements. He was also chairman of CRCPD as well as chairman of various working committees of CRCPD. Mr. Hardin was a former member of the Board of Directors of the Franklin County American Red Cross and a member of the Board of Directors of the Franklin Council on Aging, Inc.

The CRCPD “family” remember him with fond memories. Joel Lubenau, one of the former federal liaisons, recalled that there were several humorous stories about Chuck that were captured in the CRCPD history document “CRCPD: The First 25 Years,” which can be found on the CRCPD website.

Chuck is survived by his wife of 62 years LaVonne Hardin, his son Darren (Cindy) Hardin, his daughter, Lora (George) Mason, four grandchildren, Eric Hardin, Elizabeth Mason, Isaac Mason, Stephanie Aldridge and one great grandchild, Adalyn Hardin.



CRCPD Welcomes New Members

New Members October 2020

Director Member

Tera Patton (WV)

Associate Members

Barbara Belcore (GA)

Christel Benn-Griffin (GA)

Jean Burbank (MN)

Sheree Butler (GA)

Christopher Giaquinto (NJ)

Elaine Homan (PA)

Alice Honea (GA)

Daniel Kirk (OH)

William Lohner (OH)

Maria Manchego (CO)

Lee Orr (WV)

Curt Pendergrass (KY)

Avery Roney (GA)

Pennie Sabol (GA)

Sandra Silva (PA)

Travis Smith (NE)

Jill Southerland (KS)

Pamela Strozier (GA)

Sarah Trahan (LA)

Katelyn Warnock (PA)



Directory Changes October 2020

Page 6 - AL - Kasey Beasley name changed to Kasey McGinty.

Page 9 - AZ - Remove Stewart Steen and Rich Baker, insert Associate member symbol on Shoalynn Gilliland.

Page 17 - CO - Remove Mark Dater and insert vacant.

Page 20 - DE - Remove Randolph Hagan and insert vacant.

Page 31 - IN - Insert Associate member symbol on Angie Cloutier and Sarah Chaney

Page 34 - KS - Remove James Harris. Correct the spelling of Herschell name and email address jeffrey.herschell@ks.gov

Page 37 - KY - Remove Jerry Hensley and insert vacant

Page 40 - LA - Remove Ji Wiley and insert vacant

Page 41 - ME - Remove Pat Boudreau and insert vacant

Page 47 - MI - Insert II on T. R. Wentworth II

Page 49 - MS - Remove Cindy King as Director Member, insert B. J. Smith as Director Member.

Page 54 - NV - Remove Afsanch Asefirad and Debra Platt and insert vacant.

Page 55 - NV - Remove Melisa Hellman and insert vacant.

Page 58 - NJ - Remove Ed Truskowski and insert vacant.

Page 59 - NJ - Remove Catherine Biel and insert vacant.

Page 77 - PA - Remove Jonathan Adams and insert vacant.

Page 91 - TN - Remove Anthony Hogan and insert vacant.

Page 101 - VA - Remove Beth Schilke and insert vacant.

Page 105 - WV - Remove Michelle Cochran as Director Member, insert Tera Patton as Director Member.

Page 106 - WI - Remove Ramona Lake and insert vacant.



Call for News

Call for News

Would you like to share some information about your work, or some project or issue that you're involved in?

CRCPD is interested in what you are doing and would like to share your knowledge and experiences with other CRCPD members through a feature article in the ***Newsbrief***.

If you would like to submit an article, please contact Ruth McBurney (rmcburney@crcpd.org) suggesting a topic you'd like to present.

The ***Newsbrief*** is published six times a year, in even numbered months. Deadline for submission is the 15th of the month of publication.

We welcome your news and photographs, too, if you'd like to share.

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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: Mandy Cremeans, 112 East Main Street, Suite 1, Frankfort, KY 40601 (fax: 502/227-7862; email: mcremeans@crcpd.org. The deadline for contributions is the 15th of the month before an issue is to be published.

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