

Conference of Radiation Control Program Directors, Inc.

# NEWSBRIEF

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

A Partnership Dedicated to Radiation Protection

April 2018

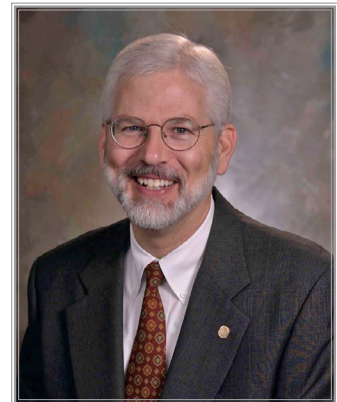
## Message from Chairperson David Allard, CHP

### That was the year that was!

For many reasons, this really was ‘the year that was!’

In that my year as Chairperson will soon end at the close of the CRCPD Annual Meeting, **I want to say that it has truly been an honor to represent this wonderful organization and all its Members as Chair-elect, Chair, and [the next year] as Past-Chair.**

I am also proud to be the fourth Chair from the Commonwealth of Pennsylvania. With the support of key federal partners, Tom Gerusky (our first and second Chair) and several other Radiation Control Program Directors had the foresight to organize and found the CRCPD in 1968. Along the way we have had many dedicated Chairs including Bill Dornsife and John Winston from Pennsylvania.



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## Message from Chairperson *(continued)*

### Functional Areas

radioactive  
materials  
x-ray  
accelerators  
reactors  
radon  
emergency  
response  
non-ionizing  
radiation

### That was the year that was!! - *continued*

I'm sure I speak for all the past Chairs, Officers, Boards and CRCPD Members, it is amazing how quick the time flies when you're doing the important and rewarding work of the Conference. **For 50 years now our Work Groups, Task Forces, Director Members, Boards, Executive Directors and Staff have worked tirelessly to promote appropriate and uniform radiation protection standards and regulations in the United States.** This work is in numerous functional areas, such as: radioactive materials, x-ray, accelerators, reactors, radon, emergency response and non-ionizing radiation. As we move into our 50<sup>th</sup> year as an organization there are many challenges we face as individual Radiation Control Programs. We have many issues on our plate every day, and having an organization like CRCPD keeping an eye on the [common] 'big picture' is a major asset for us all. **I think I can say with confidence, as old and new technology continues to evolve and we learn more about the biological effects of radiation, our work may never be fully completed.** We are all busy with our jobs, but please find a Work Group or Task Force to get involved with, or run for an Officer or Board position - this is your CRCPD.

Since the last *Newsbrief*, your Officers, Board, Ruth and her staff have been busy with routine Councils' activities, work with our federal and organizational partners, monthly calls, initial plans for the international NORM IX conference in 2019, and preparations for our Annual Meeting in May. **The issues we address daily can range from nuclear power plant decommissioning to x-ray bone densitometry systems being used in gyms for body fat measurement.** There is always something new, and I'm always impressed with the many subject matter experts in CRCPD Work Groups, Task Forces, membership, federal agencies, and partner organizations willing to assist in resolving this issues.

As liaison to the National Council on Radiation Protection (NCRP), I joined Ruth and other CRCPD members at their annual meeting in early March. **The meeting theme was on Radiation Protection Responsibility in Medicine.** It was an outstanding meeting with much [appropriate] focus on new technology, patient protection, dose

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## Message from Chairperson *(continued)*

### Congratulations to New Board

*“After the annual meeting there will be a new Board. ...Jeff Semancik our new Chair-elect, Mary Ann Spohrer our new Treasurer-elect, and Karen Farris our new Member-at-Large-elect.”*

David Allard

## That was the year that was!! - *continued*

trends, and biological effects. Of particular note, Dr. Roy Shore gave a very nice overview of an upcoming official NCRP Commentary on the linear non-threshold (LNT) model for radiation protection. **Spoiler alert, most of the recent radiation effects epidemiology reviewed by Dr. Shore’s committee supports the LNT approach.** After the NCRP annual meeting, several of us stayed on for a couple days of meeting for the Scientific Committee 5-2 work on technologically enhanced naturally occurring radioactive materials (TENORM) in the oil and gas industry. Work is progressing well.



March NCRP SC 5-2 Meeting (L to R): Ray Johnson, John Boice, Ruth McBurney, Bill Kennedy, Gary Forsee (seated), Andy Lombardo, Dave Allard, Phil Egidi, Kathy Held, and Martin Barrie.

Your Board will formally meet with our federal and organizational partners just prior to the CRCPD annual meeting. **If there are any issues you feel we need to address in the coming months and year, please send an email to Ruth, me or any of the current Board members.** After the annual meeting there will be a new Board. I’d like to formally congratulate Jeff Semancik our new Chair-elect, Mary Ann Spohrer our new Treasurer-elect, and Karen Farris our new Member-at-Large-elect. (Folks, get ready to hit the ground running!) **I would also like to extend our sincere appreciation to Sherry Davidson, Dale Patrick and David Howe for also agreeing to be on the ballot for these positions.** I am always impressed by the high quality of the candidates we have for our CRCPD elections.

Message from  
Chairperson *(continued)*

*That was the year that was!! - continued*

**50th Annual  
Meeting**

*“Ruth, Sue,  
Sharon, Mendy,  
Bruce, Russ,  
David, and  
all the CRCPD  
Board are  
working hard to  
make this a very  
special annual  
meeting.”*

David Allard

In closing, I have to again thank Jared Thompson and the Program Committee for an outstanding line-up of presenters and training sessions (including mammography) for our special 50<sup>th</sup> anniversary Annual Meeting in South Carolina. **Our meeting theme is: 50 Years Strong - A Half Century of Radiation Protection.** It will be a memorable meeting for the attendees, with many of our retired Members joining us for a nostalgic walk through the past, and look into the future. On that point, we are working on an update to the CRCPD's history. **Given we're at this significant milestone, it was suggested that each Radiation Control Program submit a short write-up on the major milestones of their Program as an addendum.** More to come on that project during our first Business Meeting.

Ruth, Sue, Sharon, Mendy, Bruce, Russ, David, and all the CRCPD Board are working hard to make this a very special annual meeting.

*So get registered and book your travel now...  
and we'll see you in South Carolina for-*

**50th National Conference on Radiation Control  
“50 Years Strong – A Half Century of Radiation  
Protection”**

**Online registration is available at <http://www.crcpd.org/events/EventDetails.aspx?id=882985>**

*Dave*



## Greetings from Your Executive Director



Ruth E. McBurney, CHP

### Community of Dedicated People

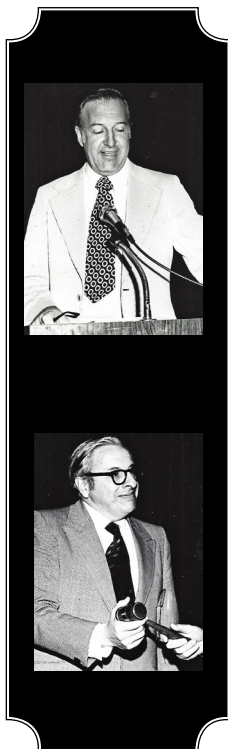
*“Some are still  
around and  
some have  
since passed  
on, but all  
have left their  
mark on the  
organization.”*

Ruth E. McBurney

### Time to Celebrate CRCPD’s Rich Legacy

In preparation for our upcoming 50<sup>th</sup> Anniversary National Conference on Radiation Control in May, I have been sorting through a lot of old photographs of past conferences, Board meetings and social events over the past 50 years of the organization. These brought back so many memories—of the first time I got involved with CRCPD, the first National Conference I attended, the one we hosted in Little Rock, when I was with Arkansas, and the one in San Antonio when I was with the Texas program (back when the states were responsible for bidding on locations), the presentations and panels. **Mostly I have remembered the wonderful community of dedicated people from state, local and federal radiation control programs, as well as medical and health physicists outside the government sector that volunteered their time to serve on committees and to share their expertise through training and scientific presentations.**

Some are still around and some have since passed on, but all have left their mark on the organization.



Folks like Jim Miller at the Bureau of Radiological Health, who was instrumental in acquiring the first Food and Drug Administration (USFDA) funding for CRCPD to meet as an organization and address issues in working groups;

Jim Miller (upper)

Jerry Parker (lower)

1976

Jerry Parker, one of the founding fathers, and later on many state directors who chaired the organization and established relationships with other federal agencies and organizations.

**As a result, the organization and its members are part of a network of professionals in radiation protection that are known throughout the United States and internationally.**

## Executive Director

Greetings *(continued)*

## The State Role

*“It is critical that the laymen learn to appreciate the role that the state radiation control programs play in all... areas (of radiation protection).”*

Jerry Parker

Time to Celebrate CRCPD's Rich Legacy - *continued*

Left to right: Jill Lipoti, Ruth McBurney, Roland Fletcher, Chuck Hardin, Mike Mobley, Aubrey Godwin, Diane Tefft, Bill Spell, and Chuck Tedford

Chair and Past Chairs at 1998 Annual Meeting  
Mesa, Arizona

At next month's National Conference on Radiation Control, Jared Thompson, Program Chair, has herded a great team in putting together an excellent program. **On Monday afternoon, in addition to great training options, Paul Schmidt will moderate a Historical Perturbations session, at which some of our former state, federal and organizational leaders have been invited to provide perspectives on how far we have come in addressing some of the issues that have distressed us over the past 50 years and more and how we can continue to make improvements in the future.**

In looking back at some of the “perturbations” of the past, I found some fascinating information—back when we printed (in hard copy) all the proceedings from the Annual Meetings. In 1996, Jerry Parker presented a paper entitled “The State Role in RAM History,” regarding how states became more involved in the regulation of radioactive materials (RAM) and response to RAM accidents. **One of the points made was that whether a state is an Agreement State or not, all states are involved in response to incidents involving radioactive material—in transportation, scrap, and atmospheric testing for fallout, as well as environmental monitoring and waste disposal issues.** To quote Jerry, “It is critical that the laymen learn to appreciate the role that the state radiation control programs play in all... areas (of radiation protection). As this awareness grows, we, the states, in cooperation with our colleagues in the Federal Government, can look forward, during the next century, to fulfilling our obligations for protecting the health and welfare of the citizens of the United States in an exemplary manner.”\*

\*Parker, Gerald, “The State Role in RAM History.” Proceedings of the 28th Annual National Conference on Radiation Control, CRCPD, 1996.

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## Executive Director

Greetings *(continued)*

## The State Role

*“So here we are, in the “next” century and celebrating the legacy of the organization that these folks and others formed 50 years ago and carrying on with the obligations.”*

Ruth E. McBurney

Time to Celebrate CRCPD’s Rich Legacy - *continued*

When I read this, **I thought of other times that we have cooperatively shared information and resources: following the tsunami and reactor accident at Fukushima, preparing for emergency situations, medical event sharing and analysis, just to name a few.** So here we are, in the “next” century and celebrating the legacy of the organization that these folks and others formed 50 years ago and carrying on with the obligations.



Celebrating a new banner at the 1986 Meeting in Charleston, West Virginia

This Conference year has been quite productive and a “banner” year, with new grant opportunities for CRCPD to be involved in, and our relationships and alliances with several other organizations renewed. **Although the state and federal agencies still have perturbations and emerging issues to deal with, you are still doing a great job in protecting the citizens of this country, as well as providing input on international issues, such as NORM, radon, x-ray and medical technologies.**

*I hope to see many of you in Charleston next month—*

*Happy 50<sup>th</sup>!*



## HS/ER-5 Advisory Team Meeting Report

### CRCPD Report on Advisory Team Meeting

February 21-22, 2018

Ken Evans, Chair, HS/ER-5 Committee

On February 21-22, Jeff Day HS/ER Council Chair and Ken Evans, Chair, HS/ER-5 Committee on Emergency Response Planning, attended a meeting of the Advisory Team in Washington, DC. The two-day meeting agenda included updates from all participating federal agencies and the re-development of working groups within the Advisory Team.

#### Highlights of the meeting discussion

- **US Environmental Protection Agency (USEPA) gave an update on Federal Guidance Report (FGR) 15 and 16.** FGR-15 and FGR-16 has 252 dose conversion parameters based on ICRP-103 and ICRP-107. It is designed to supplement but not replace FGR-12. Draft copy of FGR-15 can be downloaded from the Center of Radiation Protection Knowledge of Oak Ridge National Laboratory. FGR-16 which replaces FGR-13 is still in the review process and it will be some time before it is issued.
- **There are currently 139 EP Radnet stations available.**
- **US Food and Drug Administration (USFDA) has reorganized recently with less emphasis on regional offices.**
- **Gordon Cleveland of US Department of Agriculture (USDA) passed out an article on a new environmental sampling detector CeBr (TRACs) made by Canberra that can count samples down to 37 Bq/kg in approximately 10 minutes.** The approximate cost of this unit is \$40,000-45,000. Another benefit is that the detector can be operated at room temperature. The detector connects to the laptop through a USB connection, no additional power source required.
- **John Crapo, the Federal Radiological Monitoring and Assessment Center (FRMAC) Deputy Consequence Manager, stated that the FRMAC Operations Manual is undergoing a significant revision.** FRMAC also continues to work on developing better briefing products for key decision makers.

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## CRCPD Report on Advisory Team Meeting

February 21-22, 2018 - *continued*

### Highlights of the meeting discussion

## HS/ER-5 Advisory Team Meeting Report

- **FRMAC is continuing to develop web-based training for Turbo FRMAC.**

- **Ken Evans and Jeff Day gave a presentation on CRCPD activities regarding homeland**

**security and emergency response.** Updates were provided on all the HS/ER Council Committees and the Committee on Interagency Environmental Data Sharing and Communication.

- **Mike Howe of US Federal Emergency Management Agency (FEMA), gave a presentation updating the implementation of the new USEPA Protective Action Guidance (PAG).** Many States have not been able to fully implement due to the need to revise dose models. As part of the discussion I was able to share with the A-Team members the constraints under which most utilities operate. The fact of the matter is utilities usually do not upgrade their dose model unless there is a key regulatory requirement that they can use to justify the cost of the upgrade. As US Nuclear Regulatory Commission (USNRC) has not issued any new regulations in this regard, most utilities have not upgraded to the ICRP-60 methodology. Mr. Howe noted that for States not adopting the ICRP-60 methodology, they do need to retain the thyroid PAG. Furthermore, they need to calculate the adult thyroid dose and not the child thyroid dose.
- **Luis Garcia of FEMA gave an update on the Federal Radiological Task Force.**
- **The 2018 version of Turbo FRMAC runs approximately 24 times fast than the 2017 version due to better processing such as decay chain truncation.**
- **Currently FEMA is staffing 3 National Incident Management Assistance Team (IMAT) Teams.**

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## CRCPD Report on Advisory Team Meeting

February 21-22, 2018 - *continued*

### Highlights of the meeting discussion

## HS/ER-5 Advisory Team Meeting Report

- **National Level Exercise (NLE18) 2018, Atlantic Fury, a hurricane scenario with a nuclear power plant being affected, is being planned.**
- **A new Presidential Policy Directorate (PPD) 44 was issued to cover incidents such as the Flint, Michigan water crisis that was not previously covered in the Nuclear/Radiological Incident Annex.**

- **The FRMAC Assessment Working Group has started an uncertainty analysis for Turbo FRMAC results.** As an example, the current contours recommended, are larger than the mean value produced by uncertainty analysis but smaller than the 95% confidence value would be.
- **There was also a discussion on J-Values, which compare the economic impact of evacuation numbers, and whether these values need to be placed on evacuation maps.** A person evacuated may never recover economically. Where does the cost meet up with the benefit?
- **On Day 2, the A-Team's role and how to best communicate its mission was discussed.** An interesting PowerPoint presentation was shown that describes the A-Team's role. States may be able to get a copy of the presentation for use in their state.
- **The Veteran's Administration Medical Emergency Response Team was discussed.** Although it has similar duties as REAC/TS, REAC/TS is more for low-density, high-impact events.
- **Brooke Buddemeier and Dan Blumenthal gave an update on the Radiological Operations Support Specialist (ROSS) toolkit.** It has been revised to include more content and discussion. It also can be found on CMWeb.



*In Memorium*

## William M. "Bill" Floyd

William M. "Bill" Floyd, formerly of the New Mexico radiation control program, died at his home in Rio Rancho, New Mexico on April 14, 2018. He was 75 years old.

Bill retired from the New Mexico Environment Department (NMED) in 2004 after 28 years of service. He managed several programs in the department's Hazardous and Radioactive Materials Bureau and the Radiation Control Bureau.

Bill was born on October 10, 1942 in Harrisburg, Indiana and was raised in Arkansas and in the Midland, Texas region. He graduated from Seminole High School in west Texas in 1961. In 1967 he graduated from Northern Illinois University with a Master's of Science in biology/chemistry.

Bill served as an officer in the U.S. Air Force from 1968-1972. During his tenure, he was stationed at Kirtland Air Force Base where he supported the Department of Defense high-dose radiation effects research program.

In 1973 he earned a post-graduate teaching certificate in secondary education from the University of New Mexico. In that same year, Bill went to work for the Indiana State Board of Health in the radiation control program.

Bill returned to his adopted home of New Mexico in 1976 where he started his 28 years employment with NMED. He was an active member of the CRCPD and the Organization of Agreement States.

Bill is remembered for his commitment to high standards of quality to state and federal radiation control programs and was recognized by the State of New Mexico for his outstanding accomplishments and exceptional managerial talent. He was a very diverse and well-read person, who also enjoyed cooking.

Bill is survived by his husband Mark Demarinella and three stepchildren.

*Contributed by Stan Fitch*



## CRCPD Welcomes New Members

### New Members April

### Directory Changes

#### DIRECTOR MEMBER

Michelle Cochran (WV)

#### ASSOCIATE MEMBERS

Carley Cardwell (TX)

Ryan Fox (PA)

Lisa Gavathas (FL)

James Hanes (DE)

Catherine Nichols (WV)

Ajo Rabemiarisca (DE)

Christine Retherford (TX)

#### DIRECTORY CHANGES

- Page 16 – CO – remove Scott Boylan and insert Vacant.
- Page 20 – DE – remove Vacant, Environmental Scientist II and insert Michael T. Zadrazinski, phone: 302/744-4770; email michael.t.zdradzinski@state.de.us; remove Vacant, Environmental Scientists I, Radiation Producing Machines and insert James Hanes, phone: 302/744-4887, email: james.hanes@de.state.us; and remove Vacant, Environmental Scientist I, Public Health REP Coordinator and insert Ajo Rabemiarisosa, phone: 302/744-4776, email: ajo.rabemiarisosa@state.de.us
- Page 31 – IN - Remove Laura Dresen and insert vacant.
- Page 34 – KS – Remove Jason Barney in its entirety.
- Page 189 – Northwest Interstate Compact – remove Mike Garner, Executive Director and insert Kristen Schwab, Washington State Department of Health, Office of Radiation Protection, P.O. Box 47827, Olympia, WA 98504-7287, phone: 360/236-3241, email: Kristen.schwab@doh.wa.gov; fax: 360/236-2255.
- Page 190 – Northwest Interstate Compact – Washington remove Mike Garner and insert Earl Fordham (Chair), Washington State Department of Health, Office of Radiation Protection, 309 Bradley Blvd., Suite 201, Richland, WA 99352, phone: 509/946-0234, Email: earl.fordham@doh.wa.gov; fax: 509/946-0363.



## 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](mailto: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.



## CRCPD Board of Directors

<i>Board position</i>	<i>Name</i>	<i>State</i>	<i>Work Phone</i>	<i>E-mail address</i>
Chairperson.....	David Allard, CHP.....	Pennsylvania.....	717/787-2480.....	djallard@pa.gov
Chairperson-Elect .....	Karen Beckley, MPA, MS.....	Nevada .....	775/687-7540.....	kbeckley@health.nv.gov
Past Chairperson .....	Jared Thompson.....	Arkansas.....	501/661-2173.....	jared.thompson@arkansas.gov
Treasurer.....	Cindy Becker.....	Florida.....	850/245-4266.....	cindy.becker@flhealth.gov
Member-at-Large.....	Angela Leek.....	Iowa.....	515/281-3478.....	angela.leek@idph.iowa.gov
Member-at-Large.....	Jennifer Elee.....	Louisiana .....	318/362-5367.....	jennifer.elee@la.gov
Member-at-Large.....	Jeff Day.....	LA Co./CA.....	213/351-7387.....	jsday@ph.lacounty.gov

## CRCPD Councils

<b>Environmental Nuclear Council</b>	<b>Karen Beckley (NV) 775/687-7540</b> <b>kbeckley@health.nv.gov</b>
<b>General Council and Liaisons</b>	<b>Cindy Becker 850/245-4266</b> <b>cindy.becker@flhealth.gov</b>
<b>Healing Arts Council</b>	<b>Jennifer Elee (LA) 318-362-5367</b> <b>jennifer.elee@la.gov</b>
<b>Homeland Security/Emergency Response Council</b>	<b>Jeff Day (LA Co./CA) 213/351-7387</b> <b>jsday@ph.lacounty.gov</b>
<b>Suggested State Regulations Council</b>	<b>Angela Leek (IA) 515/281-3478</b> <b>angela.leek@idph.iowa.gov</b>

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

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