



# NEWSBRIEF

October 2005

*CRCPD's Mission: A Partnership Dedicated to Radiation Protection*

## Message From Debra McBaugh, Chair



### The Chair Goes Abroad

One of the goals of CRCPD is to build partnerships with many groups: national professional associations - Organization of Agreement States (OAS), American

Association of Physicists in Medicine (AAPM), American College of Radiology (ACR), Health Physics Society (HPS); Federal agencies – Department of Energy (DOE), Environmental Protection Agency (EPA), Nuclear Regulatory Commission (NRC), Food and Drug Administration (FDA), Department

of Homeland Security (DHS), Department of Transportation (DOT); and international professional associations. In the past few years we have started a partnership with the International Atomic Energy Agency (IAEA). CRCPD is now officially designated a non-governmental organization (NGO). Because of this, we were invited to send a representative as an observer to the IAEA Conference and Scientific Forum.

As your Chair, I was the lucky one to go. I will try to give a feel for the experience of this unique conference. The members of IAEA are 138 of the 193 countries of the world. Each country sends representatives. While many can speak English, many cannot. A

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**Chair's message**

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headset is placed at each seat so we can listen to translations in the language of our choice. The list on the wall gave these choices: Original, English, French, Spanish, Japanese, and Chinese. When the translators left (they were paid for a set time) either everyone agreed to continue in English or the meeting ended. Usually it ended.

The General Conference is a time for the IAEA and its members to reflect on nuclear energy and its role in the world. The Director General of IAEA, Mohamed ElBaradei, gave the first speech. He mentioned that "While some countries (such as China and India) are turning out science and engineering graduates at record rates, the same does not hold true for others." We are all aware of this in the U.S. as we try to hire new staff.

A major part of the Agency's scientific and technical work involves the transfer of peaceful nuclear technology in applications related to health, agriculture, water management, and preservation of the environment. The Director General listed several projects. One is the Agency's Programme of Action for Cancer Therapy (PACT) designed to assist developing Member States. Access to life-saving radiotherapy is limited or non-existence in many countries. For instance, Austria has approximately one radiotherapy machine for every 270,000 people, while in most African countries the ratio is about one machine for every 10 million people. Another project is research on using the sterile insect technique (SIT) against malaria-bearing mosquitoes. IAEA also supports Member States interested in using nuclear energy for seawater desalination. And, of course, nuclear security and safety is a major area of work. Just days after the conference, the IAEA and Mohamed ElBaradei were jointly awarded the Nobel Peace Prize for this work.

The rest of the General Conference was a time for each country to give a 15 minute statement on the status of nuclear energy in its country, the role it will play in the future, and other nuclear related issues. For instance, China stated, "In China, nuclear power development has entered a new era. As an integral part of the national energy strategy, nuclear power has been incorporated into the overall plan for development of the power sector. This strategic decision will make a substantial contribution to reducing the consumption of fossil fuel and alleviating global warming. According to preliminary planning, by 2020 China's installed nuclear generation capacity will be around 40,000MW, accounting for about 4% of the country's total installed capacity."

Samuel Bodman, Secretary of DOE, spoke for the U.S. He was not

## Chair's message

(continued)

able to attend (Hurricane Rita issues), but he gave a very good taped video presentation. He promised to reserve up to 17 metric tons of highly enriched uranium for IAEA's program to help developing countries have nuclear power without producing their own fuel or reprocessing it, two things that could lead to proliferation of weapons material.

The Scientific Forum - Nuclear Science - Physics Helping the World - met simultaneously during two days of the four-day general conference. The topics covered four areas: meeting energy needs, developing advanced materials and technologies, advancing radiation medicine, and supporting nuclear safety. One point of interest from the advancing radiation medicine session was that since developing countries have few machines and large workloads, the leakage exposure is over limits and extra shielding needs to be added. The speaker recommended that manufacturers address the need for machines in developing countries.

All in all, the meeting was a learning opportunity. It opened my eyes to a much bigger world picture and made me glad we have created the G-61 International Outreach and Relations Committee to help us assist some of the developing countries.

Think thoroughly • Speak thoughtfully • Decide slowly.

## ATHOMIC INTERACTIONS

By Thom Kerr (OED)  
Executive Director



### A Sad Note

Before getting into my usual column, I must relate to you some tragic news. On September 28, 2005, while at the 15th National Radon Meeting, John Hall from EPA Headquarters was informed that his infant son had suddenly and unexpectedly passed away. I urge each of you to keep John and his family and all of our friends and colleagues at EPA who work with John in your thoughts and prayers during this time of grief.

Also, I would like to inform you of some personal bad news. My nephew, Ben Misner, has been serving overseas with the U.S. Marines' Special Forces. Ben was recently shot and seriously wounded after a gun battle in Iraq. His cowardly assailant shot from behind two children and Ben was seriously hit in the leg, severing his femoral artery. They patched him up quickly and he is now recovering in San Diego, but has suffered permanent nerve damage as well. So he will be in physical therapy for a long time. Please join me in continuing to keep all of our brave troops in your thoughts and prayers. And stop anyone you see in uniform

## ATHOMIC INTERACTIONS

(continued)

and thank them for their service—they need and appreciate our support. I was overwhelmed when I stopped a young sergeant on the Washington Metro a few weeks ago and just as soon as I finished thanking him, our entire carload of fellow commuters broke out in spontaneous applause and many “thank yous” showered down on him—I think I can attest that there was not a dry eye in the place.

### Athomic Interactions #4

Hello, all!

On September 26-28, 2005, we held the 15th National Radon Meeting in San Diego, California. This meeting is held in conjunction with the International Radon Conference of the American Association of Radon Scientists and Technologists (AARST). Overall attendance at both meetings was about 250. The technical program and the location were highly rated by attendees. We also enjoyed a fun dinner cruise on the bay for the Night Out. My congratulations and appreciation for a great meeting go to the E-25 Committee and advisors and resource people, the CRCPD staff (another great job, as usual), and our cosponsors in AARST and the EPA Office of Radiation and Indoor Air. Thanks also to the California program for the great weather and ambience of San Diego.

The 16th National Radon Meeting was scheduled for New Orleans in September 2006, but because of Hurricane Katrina, the Hyatt was so severely damaged that they have decided to close for renovations until at least January 2007. As a result, the Hyatt cancelled our contract and we are in the process of evaluating alternative locations—so stay tuned on dates and locations.

### “Skin that’n, Pilgrim, an’ I’ll get ye another!”

In keeping with my established tradition, I would like to share with you information on the “live grizzlies” that I am trying to skin right now or in the near future. In my last couple of columns, I shared with you my continuing concerns for Lin Carigan’s and Bruce Hirschler’s health situations. I am pleased to report that Lin is continuing to make good progress in her job of getting better. We hope her heart actually becomes as good health-wise as we know it to be character-wise. After Bruce’s losing battle with the ladder and gravity, he, too, is getting much better. Even so, he is now wearing a T-shirt that says, “I Broke My Liver.”

## ATHOMIC INTERACTIONS

(continued)

### “...an’ another!”

In business-related grizzlies, we are working hard here to streamline procedures and to achieve significant cost savings to give members and sponsors better services and products. As I stated last time, if you travel, you will note the new, simpler travel procedures, which, combined with our new internal procedures, will save us at least \$10,000 per year. With other cost-saving measures, we have trimmed nearly \$20,000 from the annual costs of doing business so far. We are also continuing to work on a more complete project management system to assist us in planning and performing CRCPD’s work—this is a big job, but it is a vital piece in optimizing organizational performance. We will begin to implement the project management system on a pilot basis in November.

### “...an’ another big’un!”

Unfortunately for the coming year, CRCPD will be under considerable financial pressure. For the last several years, there have been substantial “unobligated” or “carryover” funds available in addition to each year’s “new” funds in our largest cooperative agreement through the Food and Drug Administration (to which FDA, EPA, NRC, and FEMA all contribute). The carryover funds have been gradually spent down over the last three years and are essentially exhausted. The “new” funds have remained relatively stable with a small increase this year. The net effect is that total funding in that cooperative agreement is about a third less than the funding from last year under that agreement. This has forced us to cut back spending in the short term and we ask for your patience as we work hard to find additional funds to help continue the same levels of service that CRCPD members have enjoyed in the past. Our other cooperative agreements with NRC and EPA remain stable this year and we have had a good increase of funding for work from the Centers for Disease Control and Prevention.

We have several initiatives to help alleviate the situation. We are continuing to work with universities to foster partnerships to address radiation protection issues; we are continuing to work with our present and potential federal partners to identify new opportunities to work together; and we are reaching out to other professional organizations to continue or establish close working relationships. In addition, over the next couple of years, we hope to be able to offer additional training, workshops, and other products/services to better serve our members and customers.

It will be a challenging year in 2006, but, with your assistance and patience, I believe that CRCPD will emerge stronger than ever and much better poised to continue to grow into the future.

## ATHOMIC INTERACTIONS

(continued)

### Live grizzlies everywhere, but ...

...I've probably gone on long enough for this time. I'll fill you in more in the next issue about our progress here and keep you updated on our financial situation.



### Ed Lohr, Technical Support Officer, joins CRCPD staff



Ed joined CRCPD in September and brings many years of health physics and management experience to assist CRCPD in its many technical areas. His responsibilities include oversight of the technical staff and support programs. Ed has a BAS in Resources Management and will finish a Masters in Public Administration in December. His 20 years of military service and 6 years at a state public health program will help the CRCPD to continue to serve its members. If Ed can be of any assistance to

you please call him at 502/227-4543 ext. 2227 ([elohr@crcpd.org](mailto:elohr@crcpd.org)).



## Radiation Protection Professionals Week

By Ed Lohr (OED), Technical Support Officer

CRCPD is celebrating National Radiation Protection Professionals Week November 6-12, 2005. The weeklong event to honor radiation protection professionals is set in November to celebrate the discovery of X-rays by Wilhelm Conrad Roentgen on November 8, 1895. CRCPD issued a resolution in October 2005 to underscore this important observation and urges everyone to join in the celebration.

Radiation protection professionals work with government, industry, medical, educational, and private sources to provide leadership in protecting the public from the hazards of radiation. These dedicated individuals work diligently to ensure that radiation and radioactive materials are used safely and beneficially in thousands of different ways. Their selfless professionalism ensures that people are able to safely enjoy the tremendous benefits of the uses of radiation in our society.



## New Members

### Associate Members

Anthes, Philip (MA)  
Dorschner, Dale (MN)

Kerber, Joshua (MN)  
Perras, Roger (MA)  
Versch, Mark (NE)



## Jill Lipoti (NJ) promoted

By Thom Kerr (OED)  
Executive Director

I am very pleased to announce that Dr. Jill Lipoti, formerly the Assistant Director for Radiation Protection and Release Prevention, agreed to become the Director of the Division of Environmental Safety and Health. The Division of Environmental Safety and Health includes the Office of Quality Assurance, the Radiation Protection and Release Prevention Program, the Office of Pollution Prevention, and the Right-to-Know program. Jill's appointment took effect upon the retirement of Gerry Nicholls, effective October 1, 2005.

Jill has served as an outstanding manager and leader in the DEP, where she has demonstrated an open and effective management style, excellent people skills, and an ability to master scientific knowledge. From 1987 until 1989, she managed the operations of the bureau charged with implementation of New Jersey's Community Right-to-Know program. Since 1989, she has overseen the three bureaus that make up the Department's Radiation Protection Program. Two years ago, her responsibilities expanded to include the Toxic Catastrophe Prevention program and the Discharge Prevention, Containment, and Countermeasures Program. All of these programs are not only technically complex, but also an essential part of the Department's work on domestic security and emergency preparedness.

Jill is also a nationally recognized expert on radiation issues. She is a past chairperson of the Conference of Radiation Control Program Directors, a member of the National Council on Radiation Protection and Measurements, and a member of EPA's Science Advisory Board, chairing the Radiation Advisory Committee. She is also New Jersey's Commissioner to the Atlantic Compact, working with Connecticut and South Carolina to ensure continued safe disposal of low-level radioactive waste generated in New Jersey. She currently holds an appointment as an adjunct professor at the University of Medicine and Dentistry of New Jersey, where her expertise in chemical, radiological, and emergency preparedness adds enormous value to her membership of the Steering Committee of the Center for Public Health Preparedness.

Jill earned a bachelor's degree in Environmental Science at Cook College, and a master's degree and doctorate in Environmental Science at Rutgers.

One of Jill's most immediate and difficult challenges will be to select a new Assistant Director for Radiation Protection and Release Prevention. That position will be filled through a Department-wide posting.

**Jill Lipoti (NJ)  
promoted**  
(continued)

Gerry Nicholls will certainly be missed to retirement. Nonetheless, we should feel very fortunate that we have someone of Jill's caliber to succeed him.



## CRCPD Working Group Activities

### **DOE FRMAC Laboratory Analysis Working Group meeting minutes**

By Kurt Jackson (Advisor) E-6 Committee on Emergency Planning

The Federal Radiological Monitoring and Assessment Center (FRMAC) Laboratory Analysis Working Group (LAWG) met on July 26-27, 2005. The CRCPD representative at the meeting was Kurt Jackson, an advisor to the E-6 committee. The main goal of this meeting was to obtain an update from federal agencies regarding their current capabilities for sample processing and laboratory analysis for radionuclide analytes in the event of emergency. This information will be used for planning and extension of FRMAC mission analysis efforts to later stages of emergency response. Previous mission analysis and planning efforts for FRMAC have applied the data quality objectives (DQO) process to emergency response scenarios in a way that provides a practical implementation of capabilities-based planning, as recommended by the Department of Homeland Security.

Based on discussions and presentations at the meeting, the E-6 advisor noted that federally owned resources that would be used for emergency analysis of samples containing radionuclides are especially limited with respect to mobile laboratories and fixed laboratory capabilities for analyzing samples that require wet-chemistry or chemical separation prior to radionuclide counting. The result is that federal agencies depend more strongly than in the past on private contract laboratories for both routine and emergency sample analysis for radionuclide analytes in these types of samples. In the case of an emergency event or multiple concurrent emergency events that may require such analysis, state and federal agencies will likely need to coordinate or integrate their sample management activities to respond most effectively. At the federal level, FRMAC will be the coordination or integration point for

**DOE FRMAC**  
(continued)

sample management.

FRMAC continues development work on a database application for tracking the location, contact information, capabilities and capacities of laboratories that may be able to analyze samples for radionuclides in an emergency. This application, called Radiological Organization Database for Emergency Operations (RODEO), will be available to state and local radiological emergency response authorities to assist with sample management during an emergency event. The E-6 advisor came away from the meeting with the impression that, whenever possible, states need to include detailed sample management and sample analysis functions in their radiological emergency response planning activities and emergency drill or exercise designs in order to plan and test these functions adequately.

FRMAC manuals may be downloaded on the manuals page of the FRMAC website:

<http://www.nv.doe.gov/nationalsecurity/homelandsecurity/frmac/manuals.aspx>.

Please contact Kurt Jackson at (916) 449-5683 for questions concerning this newsletter item.

## **FRMAC Assessment Work Group meeting**

By Lou Brandon (MI), E6 (REP) Subcommittee

A Federal Radiological Monitoring and Assessment Center (FRMAC) Assessment Workgroup meeting was held on August 10th and 11th, 2005, at the Department of Energy (DOE) facility in Las Vegas. States interested in Radiological Emergency Preparedness (REP) should benefit in the near future from work currently being done by this workgroup. Although the FRMAC Assessment manuals have provided states with radiological response and assessment guidance for many years, an alternate initiative called the Operational Guidelines Task Group (OGT) has been funded by the Department of Homeland Security and is coming forth with radiological methodology guidance. The final OGT guidance on Radiological Dispersion Devices and Improvised Nuclear Devices will be published in the Federal Register (FR) on September 2, 2005, for comment. This meeting brought together members from the FRMAC and OGT groups. Steve McGuire, Nuclear Regulatory Commission (NRC), participating on both workgroups, stated that our objective should be one federal dose assessment methodology. He stated, "We should speak with one voice". Steve DeMotor, the OGT representative from DOE HQ, stated that the objective should

## FRMAC Assessment Work Group meeting

(continued)

be consensus-based operational guidelines that can be incorporated into federal and state planning. The meeting began a process of comparing methodologies and assessing differences, a big task. The result from merging these two parallel initiatives should be guidance that covers accidental and terrorist-related radiological scenarios, from early phase through late phase, with detailed considerations applicable to a wide range of situations. Refer to the September 2, 2005, FR posting and comment on any issues.

There are several other promising initiatives coming through the Assessment Workgroup. The Assessment manuals are being computerized (Turbo FRMAC). A FRMAC drill was conducted at the Remote Sensing Laboratory on August 4th and the Assessment Group began to use Turbo FRMAC as a primary assessment tool. It has come a long way toward being functional as a very efficient alternative to the manual's flowing formulas (and developed spreadsheets). Even so, it is not yet intuitive enough for the occasional assessor to use without careful crosschecks to ensure result validity. The assessment team did receive glowing comments after the drill. Innovative design improvements are already conceptualized that will lead to Turbo FRMAC version 2.0.

Another initiative addresses data flow enhancements. If data being entered into the FRMAC Emergency Response Data System is in a format that can be automatically imported into Global Information System (GIS) and NARAC (National Atmospheric Release Advisory Center) databases or Turbo FRMAC, results like dose projections and detailed maps can be produced more quickly. We began to recognize possibilities for FRMAC resources to provide support to states from their remote locations. This is exciting. The FRMAC Home Team concept, gaining momentum and wide support, is to activate core personnel from several national laboratories that can coordinate with states early on, and potentially during the plume phase.

During the meeting other assessment considerations were discussed and many items were captured in an action plan. Is it time to adopt International Council on Radiation Protection (ICRP) 60 or more recent guidance for dose projections? Are the original bases and assumptions built into the FRMAC tables the best available? Can margins of uncertainty be communicated on FRMAC maps? Is EPA dose guidance cumulative through all phases? Are the Food and Drug Administration (FDA) Derived Intervention Levels (DILs) appropriate and clear as we progress from initial soil and grass sampling to the sampling of produce and milk? What weathering factor(s) are appropriate for long-term projections?

## FRMAC Assessment Work Group meeting

(continued)

The Workgroup reviewed a detailed pre-assessed Radiological Dispersion Device (RDD) Scenario, covering most RDD possibilities, for inclusion into Volume Three of the manuals. A pre-assessed Improvised Nuclear Device Scenario is being planned for near-term development.

Colleen O’Laughlin has extended an invitation for state radiological assessment scientists to participate in the FRMAC Assessment Scientist Training in the past. Although this training must focus on ensuring core federal assessment competency for the early phases of response, state personnel who can find a way to participate will benefit. This training strengthens the interface between the state and federal resources, familiarizes states with overall FRMAC capabilities and limitations, and builds more assessment proficiency in each participant. States appreciate the opportunities and efforts that are leading to response improvements and recognize the longstanding support that the FRMAC has provided over the years.

## E-34 Committee on Unwanted Radioactive Materials

By Thom Kerr, Executive Director, CRCPD

The Conference of Radiation Control Program Director’s (CRCPD) E-34 Committee on Unwanted Radioactive Materials met at the Nuclear Regulatory Commission’s offices in Rockville, Maryland on August 30, 2005. Committee members Jim Yusko (PA) and Debbie Gilley (FL) were in attendance and Terry Devine (CRCPD resource staff) was there as well. I moderated in the absence of the E-34 chair, Joe Klinger (IL), who has been deployed on active military duty for several months.

Other attendees included representatives from the Nuclear Regulatory Commission, Department of Energy/National Nuclear Security Administration, DOE Office of Environmental Management (DOE-EM), DOE Office of Environmental Safety and Health, Environmental Protection Agency, and Los Alamos National Laboratory’s Off Site Source Recovery Program (OSRP). Representatives of the Department of Homeland Security and the Federal Emergency Management Agency were also invited, but were unable to attend.

Since most of the attendees were relatively new to the activities of the committee, it was appropriate to go into some detail about the process. We covered common terms and definitions used by various agencies in different regulations and guidance documents. It was interesting to compare and contrast shades of meanings for the different terms and it was important that we all “speak the same

### E-34 Committee on Unwanted Radioactive Materials

(continued)

language” as we move forward.

Each of the agency representatives briefly discussed his/her agency’s roles and responsibilities in dealing with unwanted radioactive materials (commonly called “orphan sources”). We also discussed the state/CRCPD agreements that we put in place to facilitate the disposition of such materials through the CRCPD National Orphan Source Program.

The second part of the morning session was my overview presentation (with great assistance from Terry Devine) on the specifics of the CRCPD National Orphan Source Program. Topics included identification and notification, the “adoption” of unwanted materials, possible acceptance of unwanted materials by manufacturers and federal agencies, disposal options, criteria for CRCPD funding of disposition, disposition options, and some case studies.

In the afternoon, George Dixon and Jamie Joyce, DOE-EM, made a presentation on DOE’s kickoff of a revised inventory and Environmental Impact Study for Greater-Than-Class C low-level radioactive materials. Lee and Shelby Leonard, OSRP, then gave a presentation on the great progress that OSRP has made in identifying and collecting large sources over the last several years.

The last topics included a discussion about Cesium-137 brachytherapy sources that may be mostly unused and in storage at medical facilities and possible future committee initiatives to help disposition those and other unwanted radioactive materials.

Many of the attendees expressed their thoughts that the meeting was a very good overview and background for them. I know from a personal perspective that the meeting helped me to see the bigger picture and the complex interrelationships among the various parties that are working in this important area. A lot of very good work is being done to prevent radioactive materials from becoming “unwanted” and to safely and cost effectively disposition truly “unwanted” or “orphan” materials. The E-34 committee’s work will positively contribute to the effective coordination of these efforts.

The E-34 committee would like to thank the Nuclear Regulatory Commission for its financial support of the National Orphan Source Program and for providing the meeting space and equipment. The committee would also like to thank the agency representatives for their attendance and excellent presentations.



## 15th National Radon Meeting

By Curt Hopkins (OED)

The 15th National Radon Meeting was held in San Diego, California, September 25-28, 2005, at the Shelter Pointe Hotel and Marina. The meeting was held concurrently with the American Association of Radon Scientists and Technologists (AARST). The plenary sessions and activities were together on the first day, with the second and third day separate. Attendees were permitted to attend either session they chose.

Ninety-nine (99) persons registered for the CRCPD meeting. The meeting proceedings will be made available soon on CD and will be sent to each attendee; they will also be posted to the CRCPD web site [www.crcpd.org/radon.asp](http://www.crcpd.org/radon.asp).

The featured speakers were R. William Field, Ph.D., Associate Professor, University of Iowa, and Dr. B. Martyn R. Green, Principal Scientist, Radon Studies Group, Radiation Protection Division, Health Protection Agency, United Kingdom. Dr. Field's presentation was entitled *Current National and International Scientific Radon-Related Activities and Educational Initiatives*; Dr. Green spoke on the radon programs in the United Kingdom.

### Jeana Fleitz honored

Jeana Fleitz, former radon coordinator for the Commonwealth of Kentucky, was honored for her initiative in the formation of the All States Conference, which became the National Radon Meeting. The text of the certificate read:



Thom Kerr, Executive Director, OED, presents a plaque of appreciation to Jeana Fleitz

“Following the enactment of the Radon Abatement Act, the U. S. Environmental Protection Agency (EPA) and the states recognized a need for a communications forum to better understand their respective roles in carrying out the requirements of the Act.

Through her leadership as Chairperson of the Radon Public Awareness Committee of the Conference of Radiation Control Program Directors, Inc. (CRCPD), Jeana Fleitz was instrumental in establishing this forum.

As a direct result of her leadership and the work of her committee, the All States Radon Conference was established in 1991 to enhance a better working relationship between EPA and state radon programs.

## 15th National Radon Meeting

(continued)

This conference, now called the National Radon Meeting, continues to be the premier forum for many organizations to communicate with each other on radon issues. Its continued success is due in large part to the early efforts of Ms. Fleitz.”

### Club Radonosaur



Those state radon coordinators who have worked in the field of radon for 15 years or more were honored at the 15th National Radon Meeting in San Diego recently. Each received a certificate and a cap with the radonosaur logo embroidered on the front.

**Honorary Fossils**, non-radon coordinators, included:

- ❖ Phil Anthes (MA)
- ❖ Jeana Fleitz (KY-Retired)
- ❖ Curt Hopkins (OED)
- ❖ Larry Lloyd (MT-Retired)
- ❖ Susie Shimek (EPA)
- ❖ Lou Witt (EPA)

**Fossils** (15-19 years)

- ❖ Silas Anderson (MS)
- ❖ Bernie Bevill (AR)
- ❖ David Chase (NH)
- ❖ Sue Hendershott (MI)
- ❖ Gary Smith (TX)
- ❖ John Stewart (AZ)
- ❖ Bob Stilwell (ME)
- ❖ Russell Takata (HI)

**Seasoned Fossils** (20-24 Years)

- ❖ Bill Bell (MA)
- ❖ Don Flater (IA)
- ❖ Adrian Howe (NV)
- ❖ Mike Pyles (PA)
- ❖ Richard Seifert (AK)

**Really Fossilized** (25-29 Years)

- ❖ Felix Fong (NC)
- ❖ Jim McNeese (AL)
- ❖ Conrad Weiffenbach (WI)

**The GRAND Fossil**

(31+Years)

- ❖ Mike Gilley (The Great State of Florida!)



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Articles should be sent to CRCPD, Attn: Curt Hopkins, 205 Capital Avenue, Frankfort, KY 40601 (fax: 502/227-4928; e-mail: <[chopkins@crcpd.org](mailto:chopkins@crcpd.org)>). The deadline for contributions is the fifteenth of the month before an issue is to be published.

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