

NCCCHPS

The Newsletter of the Northern California Chapter of the Health Physics Society
May 2010



NCCCHPS Dinner Meeting and Affiliate's Night

Thursday, May 20, 2009
Hs Lordship's Restaurant, Berkeley

6:00 - 7:00 PM	Social hour
7:00 - 8:00 PM	Dinner
8:00 - 9:30 PM	Speaker's Presentation and Affiliate Presentations



Speaker: Carolyn Jean Mac Kenzie, Lawrence Livermore National Laboratory

"Assisting Countries in Africa with Radioactive Source Control"

The NNSA/NA-21 Global Threat Reduction Program effort in Africa will be described and efforts to assist African countries with locating and securing dangerous radioactive sources will be highlighted. The methodology for locating sources of interest, assisting with obtaining a verified inventory of sources, and securing or removing the most dangerous sources will be described. Lessons learned on how to provide sustainable support to developing countries will be addressed.

Affiliate's Night also returns where our Affiliate representatives will demonstrate their products and present their many services. Check this issue of the Newsletter to find out more.

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President's Message

Dear NCCHPS members,

At the last board meeting in Pleasanton the board members had an excellent discussion with Ed Maher and Ken Kase regarding the challenges of enrolling new members to our national health physics society. Part of gaining new membership is gaining new health physicists. In answer to that question on how to grow as a society you may have seen that "Hollywood" is coming to Salt Lake City for the annual meeting to make a video which will provide information about the profession in a style appealing to the younger generation. If you are enthusiastic about your piece of the pie and will be at the annual meeting contact the New Jersey chapter and see if you pass the audition. Maybe they will give you your own trailer ... But enough about national and a little bit about us: Did you know that NCCHPS has 207 members? Of that total about 12% are new members in the last two years and 25% are lifetime members. While we are a strong professional chapter, with the Bay Area as diverse in our field as it is we have room to grow. As I lovingly said to the board at our March meeting "lets have an adopt an HP campaign!" Is there an HP in your office a little too lonely on NCCHPS meeting nights? Is someone in the cubicle around the corner thinking about the health physics field but not sure? Bring them along. I am of the belief that the next generation of health physicists starts with individual leadership. That means you and you and you.

If you printed out this newsletter and held it in your hands you might notice that it's a little thicker this time. Yes, this IS the issue that we celebrate our affiliates and their support but there is something new. Kathy Dinnel-Jones had the brilliant idea to encourage George Anastas to write an article for NCCHPS about his experiences down under with the Australian Radiation Protection Society. The board thought this was so much fun that we want more! If you have projects you are proud of, have something new in your back pocket useful to us HPs, or an interesting bit of history that is perfect to share with the chapter please shape it into an article and email it to the board. We are delighted to add this feature to our newsletter.

Let me conclude by saying I applaud our Affiliates for their dedicated support. We can't do it with out you.

All the best,

Dawn Banghart

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The 55th Annual Meeting of the Health Physics Society 27 June - 1 July 2010, Salt Lake City, UT

The Health Physics Society and Campus Radiation Safety Officers (CRSO) invite members of the Society and CRSO organization, other scientists, and students to participate in the 55th Annual Meeting of the Health Physics Society and the 22nd Biennial CRSO meeting to be held in Salt Lake City, Utah, 27 June-1 July 2010.

Salt Lake City is a beautiful city set in the northeast corner of the Salt Lake Valley with the steep Wasatch mountains on its eastern border, the Oquirrh mountain ranges its western side and the Great Salt Lake on the northwest. The state capital of Utah, it is located within the larger urban area known as the Wasatch which has a population of well over 2 million people. The city was founded in 1847 as Great Salt Lake City by a group of Mormon Pioneers. The area was put into farms initially and experienced mining booms and busts; with the coming of the first transcontinental railroad it was also known as the Crossroads of the West. Today it is a friendly community with a strong outdoor recreation industry that displayed its capabilities to the world when it welcomed the 2002 Winter Olympics to its community.

Visit the national meeting website for more information and registration:

<http://hps.org/meetings/meeting23.html>

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Report from the Australian Radiation Protection Society

By George Anastas



In January 2010 at the Mid-Year Meeting in Albuquerque, Kathleen Dinnel-Jones asked if I would write a short note for the Northern California Newsletter about the Australasian Radiation Protection Society and some items (that may or may not be of interest to the Chapter members). Well with tennis and other things going on, I finally got around to it.

Since about 1992 I have been attending the Annual Meetings of the Australasian Radiation Protection Society (ARPS) and doing some consulting in 'stralia.

“The Australian Radiation Protection Society was founded in 1975 and has more than 250 members engaged in radiation protection activities. Members are engaged in a variety of activities designed to ensure the safe use of both ionizing and non-ionizing radiation for a wide variety of applications, in medicine, pure and applied science, industry and mining. The Society was renamed the Australasian Radiation Protection Society in 1997 to reflect the increasing involvement of members from outside of Australia, particularly

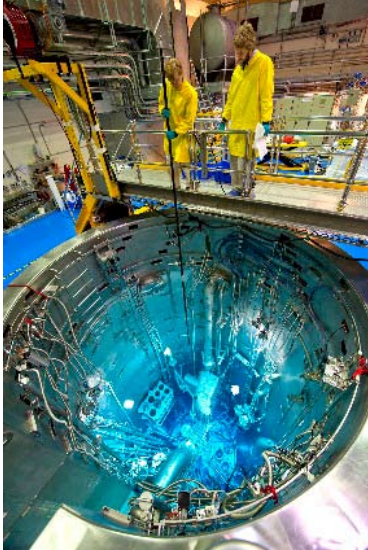
from New Zealand. “(From the ARPS Web Site: <http://www.arps.org.au/>)

ARPS has several Branches, local Chapters in our parlance: New South Wales, Queensland, South Australia, Victoria and Western Australia. Australia has a population slightly less than 22 million with a land area of about 3 million square miles. The US has a population of about 307 million and a land area about 3.8 million square miles.

I have attended and participated in ARPS Meetings in Sydney, Brisbane, Adelaide, Fremantle, Melbourne, ... and have enjoyed every one. I have spoken at a meeting of the New South Wales Branch. The next ARPS Annual Meeting is in Adelaide in October (with a trip to Olympic Dam, a multi-mineral ore body. It is the world's fourth largest remaining copper deposit, fifth largest gold deposit and the largest uranium deposit. It also contains significant quantities of silver. Olympic Dam is located about 600 kilometers north of Adelaide). The ARPS members are wonderful, cordial have a great outstanding sense of humor and tuned into what is happening all around the world. If you have a few minutes, access the ARPS Web Site. You will see that there are about 5,000 hits from Australia and the United States is second with 3,000 hits (so it is not me making all the hits!!). Efforts in uranium mining radiation safety and medical radiation protection are very large in Australia and are broadly discussed at the ARPS Meetings.

“The Australian Nuclear Science and Technology Organization (ANSTO) is a public research organisation responsible for delivering specialised advice, scientific services and products to government, industry, academia and other research organisations. It does so through the development of new knowledge, delivery of quality services and support for business opportunities.

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There is a pool type reactor at ANSTO located at Lucas Heights outside of Sydney. The Open Pool Australian Lightwater (OPAL) reactor is a state-of-the-art 20 Mega-watt reactor that uses low enriched uranium fuel, heavy water moderator and cooled by water has been operating for a number of years and is used for:

- Irradiation of target materials to produce radioisotopes for medical and industrial applications
- Research in the field of materials science using neutron beams and associated instruments
- Analysis of minerals and samples using neutron activation techniques - and delayed neutron activation techniques
- Irradiation of silicon ingots (termed Neutron Transmission Doping or NTP) for use in the manufacture of electronic semiconductor devices.” (<http://www.ansto.gov.au/home>)

I had an opportunity to tour ANSTO and particularly enjoyed viewing OPAL and talking with operators and scientists at ANSTO.

“The Australian Radiation and Nuclear Safety Agency (ARPANSA), as part of the Health and Ageing Portfolio, is a Federal Government agency charged with responsibility for protecting the health and safety of people, and the environment, from the harmful effects of ionising and non ionising radiation.” (<http://www.arpansa.gov.au/>) ARPANSA is located in Melbourne (really located in a suburb of Melbourne called Yallambie) and I have been there many times, ARPANSA has accelerators and comprehensive programs in environmental monitoring, medical radiation, radiation standards, ...

Soooo, I would suggest taking a look at the Web Sites I indicated. And if you get a chance to visit our colleagues in ‘stralia, say hello for me.



That’s me on the right (?) asking directions. The ‘Roo is more interested in the food in the left hand of the young girl.

Best Regards to Everyone in the NCCHPS,

George Anastas, President HPS 2001-2002

PS: In 2008 I was honoured by the ARPS Executive Committee electing me a Fellow of the Australasian Radiation Protection Society.

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Plan on attending the Canberra User Group Meeting at the Hyatt Harborside in Boston, Massachusetts on July 12-16, 2010 for one of the premier annual events in the nuclear industry. Also, be sure to meet Canberra representatives at Affiliate's Night and see the latest Canberra developments.



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For additional details, visit our website.

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<http://hpschapters.org/nccchps/>

Direct input for our next
newsletter to:

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NCCCHPS members	\$30 (\$35 @ door)
NCCCHPS member's Spouses	\$35
Students	\$10
Non members	\$40

Deadline: Please register by May 15th, 2010!

Menu:

California Salad with Vinaigrette

Entree Selections:

- Grilled Halibut -Served with Lemon Pepper Beurre Blanc, Parsley Potatoes and Fresh Vegetable Medley.
- Chicken Breast Jerusalem - Served with Artichoke Hearts and Mushrooms in a Chardonnay Cream Sauce, Parsley Potatoes and Fresh Vegetable Medley.
- Portobello Mushroom Ravioli (vegetarian)

Dessert: Cheesecake with Strawberry Sauce

All Meals served with Rolls and Butter, Coffee and Tea.

<http://hpschapters.org/nccchps/dinner.php3>

Only online registrations will be accepted. Contact Jesse Hendricks ONLY if you encounter problems with online registration: jhendricks@berkeley.edu

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