NCCHPS

Northern California Chapter-Health Physics Society
May 2013



The NCCHPS May 2013 Dinner Meeting

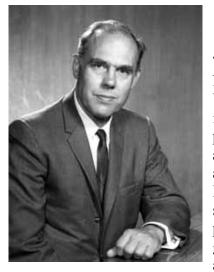
Thursday, May 16, 2013
Oakland Yacht Club
6 pm Social - 7 pm Dinner - 8 pm Affiliates Presentations



Our next Northern California Chapter dinner meeting will feature our annual Affiliates Night.

We could not practice health physics without the essential products and services our Affiliates provide. Affiliates Night provides a prime opportunity to learn about their businesses, get to know their representatives, and thank them for their vital role to the Chapter and to our profession.

We look forward to seeing you at Affiliates Night.



Moyer Fellowship Report

The Burton J. Moyer Memorial Fellowship was established by the Northern California Chapter of the HPS to memorialize the late UC Berkeley professor Burton J. Moyer and to encourage his ideals in the study of the safe use of radiation for the benefit of all people. The award consists of a stipend of \$8,000 and is accompanied by an \$800 travel grant to be used to attend the HPS annual meeting in the year awarded. The Burton J. Moyer Memorial Fellowship supports a full-time entering or continuing student enrolled in bona fide U.S. graduate programs in health physics or a closely related field. This is the most prestigious and generous fellowship in health physics. NCCHPS contributes annually \$4,000 and the rest is matched by the HPS. The Burton J.

Moyer Memorial Fellowship has been continuously awarded since 1985 for 28 years.

The current market value of the Moyer Memorial Fellowship Fund is \$101,165 as of April 22nd, 2013. The Moyer Fellowship Fund assets have increased by 15% for the 6 months since October 22nd, 2012 thanks to the contributions by NCCHPS members, Sierra Nevada Chapter of HPS and Vanguard Charitable Endowment Program and the Fund's investments portfolio performance. Moyer Fellowship Fund money is invested into 7 Fidelity mutual funds and one money market account. The latter is used for disbursement of the NCCHPS annual cash contribution (\$4,000) to the Moyer Fellowship Award independent of the market swings. The Moyer Fellowship Fund assets allocation is 62% in domestic stocks, 21% in foreign stocks, 4% in US bonds and 12% in short term investments.

DONATIONS: Thank you very much to the seven NCCHPS members who contributed a total of \$450 in 2013 to the Burton Moyer Fellowship Fund. We also received a generous donation of \$4,000 from the Sierra Nevada Chapter and a second donation of \$500 from the Vanguard Charitable Endowment Program. It looks we have a very good start in 2013. Let us keep the momentum going.

A larger number of individual donors even with a 'small' contribution would indicate that our chapter as a whole continues to support graduate study and education in health physics. Given the continuing economic uncertainty, it would not be prudent to expect that the annual growth of our funds will cover the NCCHPS yearly contribution of \$4,000 to the Moyer Fellowship Award.

So, please consider even a small donation (\$10-20 is also OK) for the Moyer Fund. Checks payable to NCCHPS may be sent to our treasurer, with the notation "For the Moyer Fund". You may indicate if you wish your donation to remain anonymous.

Radoslav Radev Chair, NCCHPS Burton Moyer Fellowship Committee



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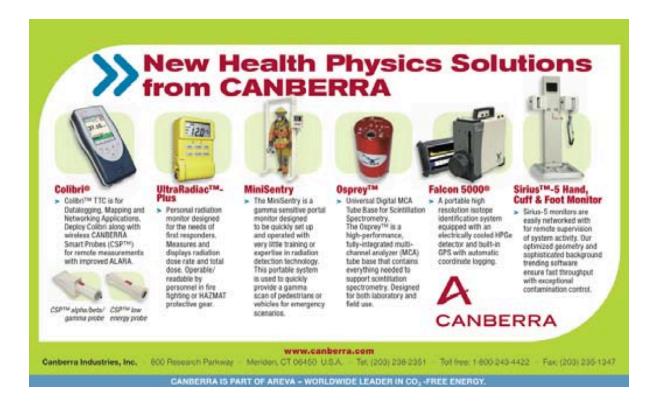




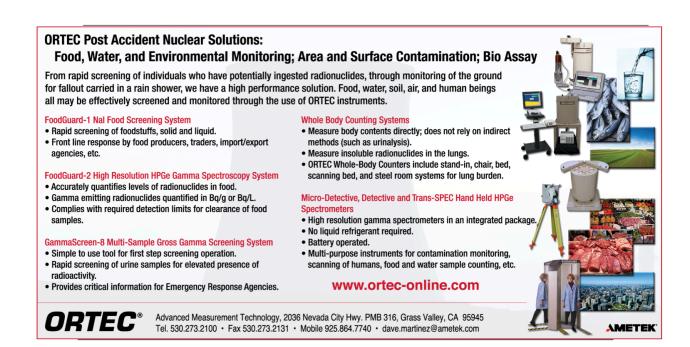
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Plan on attending the Canberra User Group Meeting at the Little America Hotel in Salt Lake City, UT (June 24-28, 2013) for one of the premier annual events in the nuclear industry. Also, be sure to meet Canberra representatives at Affiliate's Night and see the latest Canberra developments.



NCCHPS Members Conduct Science Teacher Workshop

Once again this year, the UC Berkeley Radiation Science Teacher workshop for Thirty teachers from schools high school science teachers was a success. throughout Northern California participated in the one-day event of lectures and hands-on activities March 15, 2013. The Workshop opened with an overview by the chair of the Nuclear Engineering Department Prof. Karl Van Bibber, as it has in the past with former chairs Prof. Per Peterson and Prof. Jasmina Vujic. Throughout the day, the basic background of radioactivity, health physics and nuclear science was presented, along with topical subjects such as Fukushima and material designs for next-generation reactor concepts. Experiments with cloud chambers and Geiger counters provided practical (and fun) methods to bring the knowledge into the classroom. Teachers took home a wealth of information, new contacts with other teachers, and tools for educating their students on radiation science. The Workshop is hosted by the University of California Berkeley Nuclear Engineering Department, and graciously sponsored by the Northern California Chapter of the Health Physics Society (NCCHPS) and the Northern California Section of the American Nuclear Society. Volunteers included faculty from the Nuclear Engineering department, Prof. Eric Norman and Prof. Peter Hoseman, as well as a number of students. Many volunteers from NCCHPS also participated, notably Brooke Buddemeier (LLNL) and Soheil Damavandi (Stanford Univ.). If you are interested in participating next year, please contact the workshop coordinator Jo Ressler, at ressler2@llnl.gov.



Figure 1. Volunteer Brooke Buddemeier (LLNL) describing sources of radiation encountered in common objects. A teacher from Yreka, CA, holds a Fiestaware plate while Brooke demonstrates a Geiger counter.

Science Teacher Workshop (continued)



Figure 2. Teachers watch and wait for tracks to appear from a cloud chamber experiment.



Figure 3. Teachers listen for the click of radiation from the Geiger counters provided to them. Volunteer Tim Aucott, a graduate student at UC Berkeley, was ready to assist with any issues.



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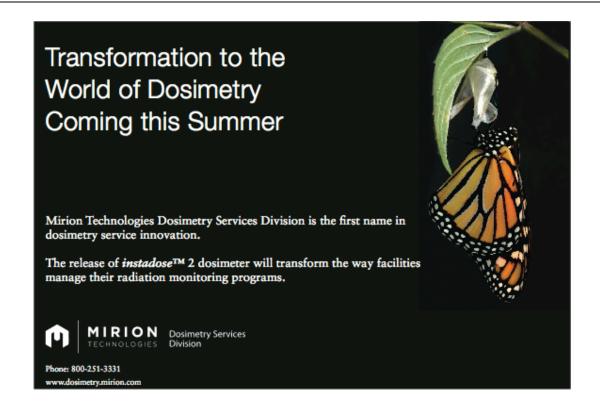
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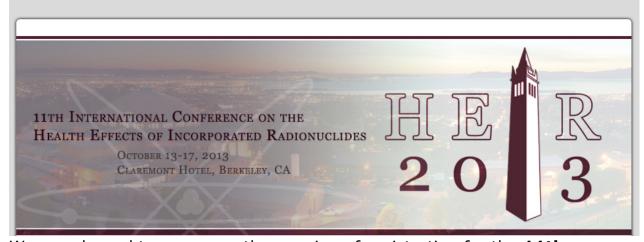
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We are pleased to announce the opening of registration for the **11th** International Conference on the Health Effects of Incorporated Radionuclides (HEIR 2013). Online registration:

http://actinide.lbl.gov/HEIR2013

We look forward to an exciting meeting in Berkeley in October 2013!

Upcoming NCCHPS Meetings...

May 16, 2013 Affiliate Night

September 19, 2013

November 21, 2013

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Website:

http://hpschapters.org/ncchps/

Newsletter Editor: Warren TenBrook warren@tenbrook.org 925-423-1470

Affiliate Liason: Nelson Chiu ncchpsaffiliatecontact@gmail.com (414) 559-5586

The Next NCCHPS Meeting!

Thursday, May 16, 2013
Oakland Yacht Club
www.oaklandyachtclub.net
1101 Pacific Marina Alameda, CA 94501
(510) 522-6868

Dinner Menu: Entree choice of Chicken Caesar Salad, Roasted Spaghetti Squash, or Roasted Chicken. All entrees are served with bread and butter, hot tea or coffee, and ice cream, and the Roasted Spaghetti Squash and Roasted Chicken are served with a salad and side.

As a special bonus, the Chapter and its Affiliates will offer a complimentary drink ticket (a beer or glass of wine) for each attendee.

Cost:

NCCHPS members \$30 (\$35 @ door)

NCCHPS guests \$35 Students \$10 Non-members \$40

<u>Deadline:</u> Please register by Thursday, May 9:

http://hpschapters.org/ncchps/dinner.php3

Cancellations are not accepted after the RSVP deadline.

Only online registrations will be accepted. If you have previously RSVP'd and were not able to specify entrée choice in the Comments field of the NCCHPS website, please either re-RSVP or e-mail thompson130@llnl.gov

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