The NCCHPS May 2012 Dinner Meeting

Thursday, May 17, 2012 – Yoshi’s, Oakland

6 pm Social  
7 pm Dinner  
8 pm Presentation:

Opportunities in the Field of Physics  
and Health Physics

Fran Dickens, NCCHPS President-Elect

Summary: The Faculty and Professor and Chair of the Department of Physics at East Carolina University (ECU) located in Greenville, NC invited Fran Dickens to speak at the commencement department ceremony on May 4, 2012 to the graduating Physics students. Fran will offer a preview of the Commencement Address, explaining and provide inspiration to the new graduates of physics on the various aspects and future opportunities in the field of Physics and Health Physics based on her experience and education.

ECU has had a MS program in Medical Physics for about 20 years and a PhD program in Biomedical Physics for over 10 years. ECU is in the process of starting a Health Physics track in their MS program, where Fran's background is particularly appropriate. ECU recently acquired a new 2 MeV electrostatic accelerator and has expanded their faculty with expertise in the area of radiation physics over the past decade, so there is great interest in radiation physics and related areas within the ECU Physics Department.

About the Speaker: Fran Dickens attended ECU from 1982 to 1986 and majored in Medical Physics and received a BS in Applied Physics in May 1986. Fran continued her education and received a Public Health Fellowship to attend the School of Public Health at the University of North Carolina in Chapel Hill from 1986-1988 majoring in Radiological Hygiene (Health Physics), receiving her MS in 1988. Fran worked as a radiation safety technician at a nuclear power plant, a medical hospital, and at the National Institute of Environmental Health Sciences while attending college. Fran has over 24 years of professional experience in radiation safety/health physics in areas supporting waste management, environmental compliance, nuclear weapons testing at the Nevada National Security Site (Formerly the Nevada Test Site), decommissioning and demolition of buildings in Oak Ridge supporting the Manhattan Project, nuclear pharmacy construction, radioactive materials application and licensing for Positron Emission Isotope production and distribution, cyclotron operations and registration, research laboratories, heart centers, hospitals, and medical schools. Fran is also currently the President-Elect of the Northern California Chapter of the Health Physics Society and works at Lawrence Livermore Laboratory supporting the Radiation Protection Functional Area.
News with historical perspective  
from the Burton Moyer Fellowship Fund Committee

The Burton J. Moyer Memorial Fellowship was established by the Northern California Chapter of the HPS to memorialize the late 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.

The Burton J. Moyer fellowship was first awarded in 1985. Moyer was Professor of Physics at the University of California, a noted researcher in high energy physics and is generally acknowledged to be “the father of accelerator health physics”. Original funding for the fellowship came from his family, his colleagues at UC Berkeley and at Lawrence Berkeley Lab and from our chapter. Several years later it became apparent that it would be mutually beneficial to coordinate the fellowship with the national Health Physics Society. Wade Patterson was the guiding light during the early days of the fellowship and he was able to negotiate an agreement that the HPS would take responsibility for screening and ranking the candidates (through the Academic and Education Committee) and HPS would provide matching funds to our chapter’s financial support of the fellowship. Our chapter would retain a voice in selecting the Moyer Fellow. Today, the HPS provides seven fellowships giving financial support to graduate students in Health Physics. The Moyer award is the most prestigious and lucrative of the HPS fellowships. Many chapter members have contributed their time, talent and money to the success of the Burton Moyer Fellowship award since its inception over 25 years ago. Special recognition must be given to the late Wade Patterson who was probably the most involved individual in creating this project.

NCCHPS Burton Moyer Fellowship Committee is comprised of a Committee Chair and two members who are tasked to manage the fund and its investments, to solicit donations and to represent NCCHPS in the selection process of the Moyer Fellowship award. Dr. Charles Schmidt has been the Chair of the Moyer Fellowship Committee since 2002 until this year and Bill Vermeere and Radoslav Radev has been members of the committee. For the past ten years, Charles has acted as our chapter representative to the HPS Academic and Education Committee for their selection of those student applicants who will be awarded HPS fellowships, with the highest ranking student receiving the Moyer Fellowship. He has been instrumental in managing and wisely investing Moyer funds and steering the investments through the turmoil of the current recession (2008-2012, is it over?). The assets of the Moyer Fund were moved from Morgan Stanley to Fidelity Investments in 2004 and several mutual funds were selected to hold and potentially grow these monies. Since that time, we have used $30K to support fellows, received $14K in chapter donations and realized $35K in net investment gains to reach our present account value of $88,537 as of 4/23/12.
Several years ago, Charles 'encouraged' his daughter, Linda, to prepare a biography of Professor Moyer and the history of the Moyer Fellowship. That document is found at the Moyer Scholarship link on our chapter web page. A copy of that brochure is sent to each new Moyer Fellow, and to their academic faculty advisor, to promote the personal and professional ideals held by Burton Moyer.

After Charles announced at the end of last year his decision to resign from the Committee after more than 10 years, I have accepted to step up and continue managing NCCHPS Moyer Fellowship and its investments. It is very big shoes to fit in and I am looking forward to this challenge. We are looking also for a willing volunteer to serve as a member of the NCCHPS Burton Moyer Fellowship Committee.

This spring I served as the NCCHPS representative to the HPS Academic and Education Committee (AEC) in the selection process of the candidates. I reviewed and ranked the top candidates as per the established criteria for the Moyer Graduate Fellowship. The NCCHPS recommendation for the top candidate was accepted by the HPS AEC and the Moyer Fellowship Award will be offered to this candidate. The name of the 2012 Moyer Fellowship recipient will be announced at the 57th Annual HPS meeting in Sacramento, CA.

DONATIONS: Over the past six years the average annual donation total has been $2000. During the last two chapter years, however, the totals have been $1425 and $1200. We have received some larger and likely non-recurring gifts in the past, and it was encouraging to receive an unsolicited donation from the Sierra-Nevada Chapter. It would be nice if a larger number of individual chapter members could make at least a ‘small’ contribution. This might indicate that our chapter as a whole continues to support graduate study and education in health physics. In 2004, our chapter annual 50% contribution to the fellowship was $3000. With a higher donation rate from our members and good market performance, we were able to increase that amount twice to first $3500 and then to the current $4000. 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 to the Moyer Fellowship Award.

So, please consider even a small donation ($10 is also OK) for the Moyer Fund. Checks payable to NCCHPS may be sent to our treasurer, with the notation “Moyer Fund” included.

Radoslav Radev, Chair, Burton Moyer Fellowship Committee
57th Annual Meeting of the Health Physics Society, Sacramento, California, Sunday 22 July - Thursday 26 July 2012;

Updated May 2012....
HPS Meeting Site: 57th Annual Meeting

The primary conference hotel is the Hyatt Regency Sacramento.
The back-up conference hotel is the Sheraton Grand Hotel.

Sacramento 365 - The Year-Round Source for Sacramento Transportation Information: SuperShuttle is offering discounted transportation from the airport to downtown hotels. $4 off the round-trip price.

Volunteers for Sacramento National HPS Meeting

The Sierra Nevada Chapter is the host for the annual meeting. The Local Arrangements Committee's work at the meeting extends Saturday July 21 through Thursday, July 26. If you plan to attend the meeting and want to help, send us an email and tell me what activity you are interested in. I will contact you after the preliminary program is released to see what sessions you want to attend and when you are available.

Bag Stuffing: Saturday July 21, 11 am to 1 pm. Lunch provided. Convention Center

PEP Proctor: Check off members who have enrolled and collect evaluations. Stay for the whole class. No handouts to pass out, they are provided electronically. 3 sets of 8 classes on Sunday 8am-4 pm. 5 each day: Mon-Wed, 12-2 pm. Need one proctor per class. The students run the AV for the classes.

CEL Proctor: Give out handouts and collect evaluations. Starts early, 7 am! Again, students run the AV.

t shirt and hat sales: Good at addition, subtraction and handling money$. Outgoing and sales personality helpful. Sun-Thurs

Run & Walk: Wed. 6 am – 8:30am. Set up, clean up and 2 people to keep an eye on the timer. Capitol Park across from Hyatt.

LAC Room: Holding Down the Fort. Mostly hang out and answer questions or contact Floor managers or Secretariat to troubleshoot any problems. 4 hr shifts: AM and PM, Sun-Thurs

Marcia Hartman, Co-Chair diamondhartman@sbcglobal.net
Jim Case, Co-Chair james.case@ucdmc.ucdavis.edu
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- Ordela Inc – alpha scintillation detector and alpha spectrometers
- TSA Systems – SNM monitors and mobile GPS survey systems.
- Bladewerx – alpha spectra, continuous air particulate monitors
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For additional details, visit our website.
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Thermo Fisher Scientific is continuing to advance the technology involved in the measurement of radiation, the monitoring of personnel, and in the areas of environmental and personal Dosimetry. The RadEye platform of portable, hand-held survey meters takes advantage of today’s low-power, miniaturized components. Our most recent release, the RadEye-X, is a replacement for the older “shoe-box” style Survey Meter (including our own E600!). The RadEye-X series is compatible with all conventional probes of any manufacturer, from neutron REM-balls to the smallest of GM probes. This meter can be carried, worn on the wrist, or used with a lanyard. It offers data storage, a large digital display, an auto-ranging feature, multiple energy windows with dual displays, and many, many more features. Thermo also offers the very latest technology in Contamination Monitoring, recently having introduced the replacement for the PCM-2 – the new iPCM-12. This system is the culmination of features and benefits that the HPS has been asking for many years. A unique Rn-rejection algorithm, extremely large area of body coverage, and a contoured array of detectors are just a few of the advancements in the iPCM-12.

For additional information for any of your monitoring needs, please contact:

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**Dave Frlan**  
Industrial and 1st Responder Accounts Mgr.  
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### Upcoming NCCHPS Meetings...

17 May 2012

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4435 N. First Street #141  
Livermore, CA 94550

ncchps@gmail.com

http://hpschapters.org/ncchps/

Direct input for our next newsletter to:

Warren TenBrook  
warren@tenbrook.org  
925-423-1470

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### The Next NCCHPS Meeting!

May 17, 2012  
Yoshi's Oakland  
510 Embarcadero West  
Jack London Square  
Oakland, CA 94607  
Phone: 510.238.9200

Menu:

1st Course - Sendai Miso Soup: tofu, wakame seaweed, negi and nameko mushroom; served individually & Kale & Sauteed Little Gem ‘Caesar’  
1st Course - Kale & Sauteed Little Gem ‘Caesar’  
Kaiware, tamari oil, saikyo-miso caesar dressing

2nd Course - Kakiage: tempura fritter with shrimp, onion, carrots, enoki mushrooms, kaiware radish & Smoked Wagyu Beef Carpaccio seared rare, grated daikon radish, sesame ponzu

3rd Course - Miso-Marinated Wild Alaskan Salmon grilled salmon with housemade teriyaki & Grilled Mary’s Farm Organic Chicken crushed herbs, spicy miso; housemade teriyaki

Cost:

- NCCHPS members: $30 ($35 @ door)
- NCCHPS member spouses: $35
- Students: $10
- Non-members: $40

**Deadline:**

Please register by May 12, 2012  
*Note that cancellations may not be made after the RSVP deadline.*

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

Only online registrations will be accepted.  
Contact Ibrahim Ozcan ONLY if you encounter problems with online registration:

IOzcan@lbl.gov

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