



NCCHPS



Mark Your Calendars!

The 2005-2006 NCCHPS technical meeting dates are listed below!

November 17, 2005

Francesco's in Oakland

January 19, 2006

Francesco's in Oakland

March 16,

2006

Francesco's in Oakland

March 17,

2006

J. Newell Stannard
Lecture Series
Sacramento, CA

May 18, 2006

Hs. Lordships in Berkeley



Thursday March 16, 2006

@ Francesco's in Oakland

6 pm-Social Hour
7 pm-Dinner
8 pm-Presentation

Speaker: Dr. Brian Dodd, BDCConsulting

Originally from the U.K., where he worked at Imperial College and the Royal Naval College in Greenwich, Brian Dodd and his family moved to the USA in 1978, taking up citizenship in 1993. Until February 2004, Dr. Dodd was Head of the International Atomic Energy Agency's Radiation Source Safety and Security Unit, managing the IAEA's efforts in dealing with orphan sources and the potential use of radioactive sources for radiological terrorism. He is currently 'retired' from the managerial burdens of work, but is still pursuing the technical aspects as BDCConsulting in Las Vegas. Prior to joining the IAEA he was at Oregon State University for 20 years, most recently as the Director of its Radiation Center as well as a Professor of Health Physics and Nuclear Engineering. Dr. Dodd has been involved with the Health Physics Society for many years, including terms of office on the Board of Directors and as Treasurer. He is currently also Treasurer of IRPA. His fields of expertise include safety and security of radioactive sources, transportation of radioactive material, emergency response, training and research reactors.



Title: "The IAEA and the Control of Radioactive Sources"

Abstract: This presentation briefly reviews the International Atomic Energy Agency (IAEA) and particularly its role in the safety and security of radioactive sources. It then traces the rise of international concern with respect to sources, beginning with orphan source accidents and more recently with regard to the possible acquisition of sources for malicious purposes. International efforts to remediate past problems and prevent future ones are outlined as well as the role of the USA in this effort. The impact on the USA of recent international developments to increase control over sources is discussed. Finally, possible roles for the Health Physics Society and its members in helping the international community are proposed.



NCCHPS



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President's Column

Thanks to the valiant efforts of our President-Elect, Radoslav Radev, the January joint meeting with ANS Nor Cal was a smashing success! The speaker at our March meeting will be none other than the National HPS President-Elect, Brian Dodd. I do hope that we can show our Chapters support of the national HPS by a strong turnout. Our May meeting will be a joint event with the AAPM

Our Past-President John Ahlquist continues to spearhead the efforts for the 2008 Mid-Year Meeting hosted by the Chapter. The Accelerator Section has appointed our very own Linnea Wahl as a liaison between the Accelerator Section and the NCCHPS as we prepare for the 2008 Mid Year Meeting.

In other news, I have appointed an Internal Audit Committee chaired by Julia Ryan and ably assisted by Radoslav Radev and John Pasinosky to audit the Chapter's finances on an annual basis. As a corporation, we are required to perform audits.

As the National HPS celebrates 50 years of existence, all Chapters have been requested to provide a poster documenting the Chapter's history for the annual meeting in Providence. David Myers has graciously consented to take the lead role in producing the poster. If anyone has NCCHPS historical facts, memories, information, pictures, etc. that Dave could use in the poster please contact him directly.

I have appointed a Nominating Committee comprised of Kathleen Dinnel-Jones (Chair), Bev DeOcampo, and Michael Grissom. Please contact any member of the Nominating Committee or the Board of Directors if you are interested in serving on the NCCHPS Board of Directors.

Finally, as always your financial support of the Moyer Fellowship is deeply appreciated.

See you all at the next meeting.

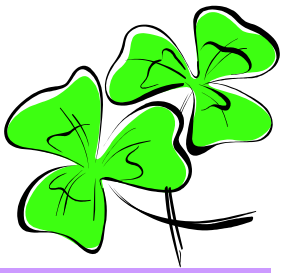
Nisy E. Ipe
President, NCCHPS

The NCCHPS March 2006 Meeting!!

Date: Thursday March 16, 2006
Location: Francesco's
Speaker: Dr. Brian Dodd, BD Consulting
Title: "The IAEA and the Control of Radioactive Sources"

Would you like to take an active role in NCCHPS? We're currently looking for volunteers to take on exciting tasks providing backup support for the Newsletter Editor, Website Administrator, and other functional positions within NCCHPS! If you're interested please contact our Members-At-Large Todd Sundsmo or Jim Tripodes.





NCCCHPS



14 Annual J. Newell Stannard Lecture Series

Once again, the Sierra Nevada and Northern California Chapters of the Health Physics Society are joining forces to hold the Fourteenth Annual J. Newell Stannard Lecture Series. We will be holding the meeting at the Courtyard by Marriott in Sacramento, CA on March 17, 2006.

In light of continued budgetary constraints, the Executive Board and Program Committee have made the meeting as reasonably priced as possible (\$25 includes continental breakfast, lunch and breaks). In addition, we've kept the meeting in Sacramento to avoid the issue of overnight travel.

To top it off, there will be 4 AAHP CEC credits awarded for this Technical Meeting. Where else can a CHP get 4 credits for \$25?

Send in your registration form and fees by March 8, 2006. It is our hope that by making the fee as low as it is, we will encourage as many members as possible to participate in this technical meeting.

Contact Marcia Hartman at (916) 734-7310 or Linda Kroger at (916) 734-7325 for additional information and registration forms.

Expanding Your Horizons in Math & Science for Middle and High School Girls, Saturday, Feb. 25 in San Ramon

The 2006 Expanding Your Horizons Conference will be held at the SBC Administrative Center in San Ramon on Saturday, February 25, 2006. This Tri-Valley conference serves some 600 young women in grades 6-12, offering hands-on workshops, a career fair, and many other opportunities to investigate careers available in science and mathematics. For further information and to register, go to the web page at http://www.llnl.gov/eyh/tv_eyh.html.

Registration is a two-step process. You may register for the conference online but must print out the brochure and mail in a signed consent form with the registration fee for your registration to be complete. Once payment has been received you may then go online and register for workshops. Workshops will be assigned if you do not elect to register for ones yourself.

"Detecting Radiation in Our Radioactive World" Friday, March 24, 2006, 8:00 AM to 5:00 PM

Learn how to use Geiger counters to detect radiation from background and manmade sources. Teachers who complete the workshop receive a FREE Geiger counter, Teacher Handbook with ideas for classroom use, and instructions and information about radioactive sources that can be safely used in the classroom. Designed for grades 7-12, these materials are applicable to all areas of science instruction.

This popular workshop program includes classroom experiments and demonstrations crucial to making classroom learning come to life. Educational materials are provided free to classroom teachers. The items include booklets, supplemental handouts, posters, and other instructional tools. Materials are developed for students ranging from elementary through young adult level.

This workshop is sponsored by NCCCHPS, ANS, DOE, and the University of California, Berkeley.

Don't Miss the May Vendor Meeting! NCCCHPS Joint Meeting with AAPM, May 18, 2006

*Speaker: Dr. Jasmina Vujic, Professor and Chair
Department of Nuclear Engineering, University of California at Berkeley*

Title: "New Research in Radiation Cancer Therapy and Imaging"



MOYER FELLOWSHIP UPDATE

(Charles Schmidt, Julia Ryan and Bill Vermeere)

At the risk of being repetitive, this is another call for donations by our chapter members to the Moyer Fellowship fund. We realize that 2005 was an extraordinary year for charitable causes. The tsunami, earthquakes, Rita and Katrina created worthy causes for charity. Of course, you recently received year-end pleas for contributions from all the charities you have ever previously supported, as well as all the educational institutions you have ever attended. Still, we hope you will consider giving some financial assistance to our chapter's support of graduate studies in Health Physics. We started this fellowship in 1985, and have provided financial aide to qualified students in every year since then. Last year, we were able to increase our annual contribution to the fellowship from \$3000 to \$3500 because of the generous support of our members [National HPS contributes \$4000]. So far this chapter year, we have received \$975 for the Moyer fund. We think the chapter can do better. To make things even easier for you, we will have a separate table for Moyer donations set up during the meeting social hour on March 16. Stop by after you sign in for the dinner and write a second check to NCCHPS. We hope to see you there. If you are not attending, checks payable to NCCHPS and noted as "Moyer Fund" may be mailed to our treasurer, Rao Goriparthi.

We thank and acknowledge Elsa Nimmo, Charles Schmidt and Campbell Security Equipment Co. in memory of William Mancuso for their contributions to the Moyer fund this year.

Few of our present members knew Prof. Moyer personally, or are aware of the qualities and achievements that gained him the respect of his colleagues. The following eulogy was presented on the Berkeley campus at a memorial service for Prof. Moyer. We hope that these reflections on the life and the character of Burton Moyer will explain why his fellow faculty members, co-workers and the members of our chapter supported the creation of this memorial fellowship.

In Memoriam: Burton Jones Moyer

Burton Jones Moyer, professor of physics at Berkeley (1947-71) and Dean of the College of Liberal Arts at the University of Oregon (1971-73) died in Eugene, Oregon on April 21, 1973. He was known and respected by many members of the campus and the Lawrence Berkeley Laboratory and by high energy and health physicists the world over.

Moyer was born in 1912 in Greenville, Illinois, where his father was professor of chemistry at Greenville College, a small denominational institution. He did undergraduate work and received his A.B. at Seattle Pacific College, where his father was then Dean. He completed his Ph.D. in physics at the University of Washington in Seattle in 1939. He was greatly influenced by his parents, both deeply religious persons. The guiding motive of his life was service, service to his fellow men everywhere, in every form, as dictated by his religious and ethical principles.

After receiving his Ph.D., he returned to Greenville College as professor of physics. In June 1942 he came to Berkeley to work on the separation of uranium isotopes under Ernest Lawrence. He quickly became a group leader and spent considerable time in Oak Ridge, Tennessee, in the operation of the electromagnetic separation plant. At the close of the war he returned to the Radiation Laboratory in Berkeley, first to nuclear physics, then to high energy physics. Simultaneously he started teaching in the physics department as lecturer, was appointed associate professor in 1950 and professor in 1954. By this time a series of papers had established him as one of the world's leading high energy physicists. Perhaps the best known paper, written with Bjorklund, Crandall, and H. F. York, appeared in 1950 under the modest title, "High Energy Photons from Proton Nucleon Collisions," announcing the discovery of the neutral pi meson. This was a milestone in particle physics.

Others of great interest were "Nucleon Momentum Distribution in D and C Inferred from Proton Scattering" and "Comparison of the Reactions $p + d \rightarrow H^3 + \pi^+$, $p + d \rightarrow He^3 + \pi^0$, as a Test of Charge Independence," a classic paper. In these Moyer's style was clearly discernable; it was characterized by precision, thoroughness, and expert analysis. In addition to his work in nuclear and particle physics, he directed the health physics activities at the Laboratory from 1947 to 1970. His leadership and wisdom led in large measure to present understanding of radiation protection problems associated with particle accelerators.

He enjoyed teaching, particularly mechanics; and his lectures were models of clarity. More outstanding was his direction of the thesis research of sixty-two students. Together they generated a steady and important stream of high energy physics papers. Moyer attended numerous conferences and was a rapporteur on several occasions. In 1962, at the urging of his colleagues, he accepted the chairmanship of the physics department at Berkeley. He became a trusted and admired chairman, able to meet with understanding and success the troubling problems of student unrest beginning in 1964.

In spite of his heavy commitment at the Laboratory, he was active on committees on the campus, in Letters and Science (Courses 55-57, Physical Sciences Council 68-69, and Chairman, Committee on Academic Programs 69-70) and in the Berkeley Division (Welfare 55-57, Representative Assembly 61-63, Budget and Interdepartmental Relations 70-71) as well as on the Statewide University Radiological Safety Committee 59-60.

Both before and after World War II, Moyer had wanted to spend time in missionary work in China. Events had prevented this, but in 1965 he accepted an opportunity for a different kind of service, a position at the India Institute of Technology at Kanpur. He spent the year teaching physics, aiding the research program, and helping to create a viable technical school. He left a lasting impression there. In 1968 Moyer retired from the chairmanship and returned to his research group and to teaching as well as to work with NSF and AEC. He undertook the revision of Vol. I Mechanics of the Berkeley Physics Course with A. C. Helmholz. He felt then that research in high energy physics should pass to younger physicists. In view of this and his desire to serve, it was not surprising that he accepted the position of Dean of the College of Liberal Arts at the University of Oregon.

During his two years and three months of service as Dean, he suffered through the worst budgetary crisis known at the College and University. However, he exhibited the highest degree of fortitude, spirit, and good humor, quickly gaining the faculty's respect for his sound academic judgment, fair-mindedness, and firmness. Moyer combined the best of scientific and humanistic traditions by using his scientific training and clear thinking for humane ends. He was loved and admired by students and colleagues alike as a man of generous and serene goodwill and absolute integrity.

E. Segre, E. D. Commins, A. C. Helmholz





NCCHPS



Attention NCCHPS Members!!!!

Time is fast approaching!!! We are looking for volunteers for the 2006/2007 NCCHPS elections to carry on our excellent record of being a strong local chapter, excellent input into the National Society, and providing outreach to our own communities. Three positions are up for election this year and the nominees need to be submitted to the NCCHPS Board by the beginning of March for balloting with the results to be announced at the May NCCHPS Affiliates' night meeting.

If you are interested in running for office, the following officer slots are up for nominations:

- o President-elect - Essentially a 3-year commitment (President-elect June 2006 - June 2007, President June 2007 - June 2008, and Past-president June 2008 - June 2009)
- o Treasurer - A 2-year commitment (June 2006 - June 2008)
- o Member-at-large - A 2-year commitment (June 2006 - June 2008)

The descriptions of the duties of these officers may be viewed on the NCCHPS' Web site at: http://hpschapters.org/ncchps/NCCHPS_Bylaws_Revision-2.doc

Please contact any one of your Board members, or Bev DeOcampo (deocampo1@llnl.gov), Mike Grissom (mikeg@slac.stanford.edu), or Kathleen Dinnel-Jones (dinneljones1@llnl.gov) by e-mail or phone before February 22nd if you are interested in running for office or recommending a fine chapter member. Please take the time to make sure the person you are recommending is interested in running for office before recommending them to the Nominating Committee. If we do not get many volunteers, we will be contacting you. There is a definite time commitment but it is an important contribution to the greater HP profession/community. We are looking forward to continuing on with a fine tradition of excellent Board members.

Thanks,

Kathleen Dinnel-Jones
Past-President, NCCHPS

A Special Thanks to Our March 2006 Dinner Meeting Sponsor!

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NCCHPS

[HTTP://HPSCHAPTERS.ORG/NCCHPS/](http://hpschapters.org/ncchps/)

Mailing Label

You can register for dinner ONLINE at <http://hpschapters.org/ncchps/meetings.php3!!>

The Menu:

- 1) Fresh fillet of Pacific Red Snapper
 - 2) Pot Roast of Beef
 - 3) Eggplant Parmegiana
- Fresh Vegetables, Rolls & Butter

Schedule:

- 6 pm-Social Hour
No Host Bar
7 pm-Dinner
8 pm-Speaker

The Next Meeting!!

Date: Thursday, March 16, 2006

Location: Francesco's
8520 Pardee Drive at
Hegenberger Road,
Oakland CA 94621

Speaker: Dr. Brian Dodd

Title: "The IAEA and the
Control of Radioactive
Sources"

Registration Deadline:
Monday March 10, 2006
\$25 Pre-registration
\$30 At The Door

Try Online Registration OR
please contact:
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Next Newsletter Input
Deadline: April 7, 2006

Send comments and
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