



2013 WINTER NEWSLETTER

From the Committee

First, we would like to express our thanks to Dan Mantooth for organizing the 2013 Vendor's Meeting. Bringing this event together can sometimes feel like herding cats.

Second, ELECTIONS for new officers (President-Elect, Secretary-Elect, 1st-Year Councilmember) are on-going. Paper ballots are available through the website. One ballot per customer, please. Electronic voting will be available on the website soon.

Third, please take a moment and log in to the chapter website to review your membership profile. Some members have reported problems receiving e-mails from the chapter. Ensuring your information is correct (mailing and e-mail addresses) will help us sort this out.

Finally, it is that time of year again. While the cost of everything else continues to go up, plenary membership in the ETCHPS remains a bargain at \$15. You can pay using the PayPal link on the website or mail a check to: ETCHPS, PO Box 7006, Oak Ridge, TN 37831.

Third James E. Turner Memorial Symposium - Advances in Radiological Physics - Accepting Abstracts

By Gary Kephart

The Third James E. Turner Memorial Symposium, "Advances in Radiological Physics," will be hosted by the East Tennessee Chapter of the Health Physics Society 21–22 May 2014. The symposium honors the legacy of James E. (Jim) Turner, his contributions to the field of microdosimetry, and his lifelong emphasis on providing a strong radiological physics foundation to young health physics professionals and students.

The symposium will be held in the Pollard Auditorium at Oak Ridge Associated Universities

(ORAU), Oak Ridge, Tennessee. James S. Bogard is the Program Committee chair.

The chapter invites members of the Society, students, and other scientists to participate.

Preference will be given to high-quality submissions by students and beginning professionals, but Health Physics Society members and other science professionals are also encouraged to submit abstracts online at hpschapters.org/etchps/2014Turner. Abstracts are due by 18 April 2014.

Prizes will be awarded for the best presentations. Some travel support may be available for students.

NRRPT Prep Course

By Elizabeth Gillenwalters

A big thanks from the Chapter goes out to members Mike Littleton, Scott Byers, Jim Bogard, James East, Tom Rucker, Phil Gianutsos, Art Palmer, and Gary Kephart for volunteering to lead sessions of the ongoing NRRPT preparation course being held at Roane State Community College campus in Oak Ridge. The Chapter has submitted application for ABHP Continuing Education Credits for these course instructors. The NRRPT examination will occur on February 22, 2014.

PROGRAM MEETINGS

September 2013 On September 17th, the chapter met at the Fox Den Country Club in Knoxville. Gordon Petersen, president of the Student Branch, ETCHPS, introduced fellow students from the University of Tennessee – Knoxville, and gave a presentation on efforts to revive the section. He announced that Doctor Townsend is their faculty advisor.

Dr. Scott Brooks of Oak Ridge National Laboratory provided a PowerPoint presentation entitled “Mercury Use at ORNL and Its Environmental Legacy – What we knew, what we (think we) know now, what we are learning, and what we have to learn.” His talk included basic mercury chemistry, its historical use in Oak Ridge during the Cold War, and challenges faced during remediation of former usage sites. Anybody interested in information can google “Hg SFA at ORNL.”

October 2013 On Tuesday, 22 October 2013, the East Tennessee Chapter, Health Physics Society convened its monthly meeting at the Gondolier restaurant in Oak Ridge. Twenty-nine members and guests were in attendance.

Jeff Chapman, president-elect, opened the meeting with announcements of upcoming meetings.

The guest speaker, Dr. Nolan Hertel, gave a presentation entitled “What is New in External Radiation Dosimetry? An ICRP/ICRU View.” Dr. Hertel is a Professor of Nuclear and Radiological Engineering at Georgia Institute of Technology. He currently holds a Joint Faculty Appointment at Oak Ridge National Laboratory as the acting director of the Center for Radiation Protection Knowledge.

November 2013 On Wednesday, 20 November 2013, the American Nuclear Society, Oak Ridge/Knoxville Section, and East Tennessee Chapter, Health Physics Society convened a joint meeting at the Gettysvue Country Club in Knoxville. Approximately 60 members and guests were in attendance.

Jeff Chapman, ETCHPS president-elect, opened the meeting with announcements of interest to the local HP chapter.

The guest speaker was D. Ray Smith, Y-12 historian. His presentation centered around the history of Oak Ridge, the Manhattan Project, and the Y-12 site. Of particular interest was the story of a Mr. Hendrix, dubbed the “Prophet of Oak Ridge.” Other stories included the development of the uranium separation process at Y-12, K-25, and S-50. Mr. Smith painted a very stern picture of Major General Groves, and related two very different stories of how this valley was chosen as the site for the Manhattan Project.

In a dramatic change of form, there was a quiz at the end of Mr. Smith’s presentation. Happily, the first people to correctly answer the questions were rewarded with a collection of DVDs containing the documentary history of Oak Ridge and Y-12.

December 2013

As Dan Mantooth (3rd Year Councilmember) reports, we had another successful Vendor’s meeting with around 150 folks attending. Rothchild’s once again turned out to be an exceptional venue and excellent dinner. The door prizes provided by the vendors were well received and everyone had an enjoyable evening. The Children's Museum of Oak Ridge, which is celebrating their 40 year anniversary, was the invited charity.

The event coordinator did receive some comments expressing displeasure with the organization of the raffle, preferring that participants be limited to one ticket per vendor. If anyone has input along these lines, I’m sure next year’s coordinator, Elizabeth Gillenwalters, would appreciate it. You can send your suggestions to elizabeth@ameriphysics.com.

FROM THE WEB

The latest on the stolen Co-60 teletherapy source in Mexico is posted on the IAEA website

<http://www.iaea.org/newscenter/news/2013/mexicoradsourc4.html>

The American Physical Society issued a report that gives credit for clean energy to a gradually smaller nuclear power plant population

<http://www.aps.org/policy/reports/popa-reports/upload/nuclear-power.pdf>

CHAPTER ACTIVITIES

Upcoming Events

STUDENT SECTION, ETCHPS

Our President-Elect, in cooperation with the University of Tennessee, is attempting to revive a Student Section of the chapter (see note on the September 2013 program meeting).

FROM OUR AFFILIATES

Active Electronic Extremity Dosimetry

Extremity dosimetry is an important part of a complete ALARA program, especially when there are high doses or high dose gradients. Passive extremity dosimeters do a good job in monitoring the extremities, but do not provide realtime feedback in high dose / dose gradient environments or as a tool for training purposes.

The ED-3 (Extremity Dosimeter 3) was designed for the purposes of measuring extremity doses as well as use during training for the purposes of dose reduction.



For more information, please contact us using the information below.

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