



NCHPS

Spring 2008

President's Message by Ritchie Buschow

The North Carolina Chapter of the Health Physics Society (NCHPS) is a professional organization dedicated to the development, dissemination and application of the scientific knowledge of and practical means for radiation protection.

Inside this issue:

| | |
|----------------------------|---|
| President's Message | 1 |
| Spring Meeting | 2 |
| Science Teacher's Workshop | 3 |
| TOREV | 3 |
| Affiliates of the Chapter | 4 |
| New Members | 4 |
| Council Members | 5 |

This past year, it has been an honor serving the chapter as President. Not only does serving in this position allow one to grow professionally, it also provides a sense of self-gratification knowing that you are helping to represent the growing number of Health Physicists and Radiation Safety Professionals who strive to promote the safe uses of radioactive material and radiation producing equipment used in the academic, industrial and medical fields.

This year the chapter sponsored two meetings. The spring meeting in Charlotte focused on a variety of topics related to the medical field and the power industry. Although this meeting may have produced somewhat of a financial loss, the main focus was to bring back our colleagues in the power industry, especially since their workload is not as great during the month of February. The fall 2007 meeting in Winston-Salem was hosted by Amy Orders and included a variety of persons well known in the health physics community including Dr. Andy Karem from the University of Rochester. Both meetings produced record highs in attendance for both participants and vendors.

Again this year, the chapter sponsored another very successful Science Teachers Workshop thanks to the great efforts of Dale Dusenbury. The workshop was sponsored jointly with the NC State University chapter of

the ANS. Between 60-70 science teachers from around the state of North Carolina attended the workshop. In addition, a high school science student competition was sponsored. Many high school students entered the competition by submitting an essay on the topic, "What is Radiation". Essays from the top thirty contestants were displayed during the spring meeting and members were asked to vote for their favorite essay. The winner and their sponsor received a monetary award of \$100 and a civil defense meter. I would like to thank Amy Orders and John McClamb for their effort at making this competition a huge success.

Also during the spring meeting, three undergraduate/graduate students presented papers to the chapter pertaining to their specific research interests. The award went to Samuel Brady of Duke University.

This past year, the chapter nominated Dr. Terry Yoshizumi (Director of the Radiation Safety Program at Duke University) as a candidate for the HPS Board of Directors. As a result, Dr. Yoshizumi was elected to the Board and will assume his office duties this July.

The chapter is moving into using a web-based membership database system which should assist us in providing timely member renewal notices and streamline updates in membership demographics. Until June 2008, the database will be

accessible to only Executive Council personnel who will help provide a beta test analysis of the database. One any wrinkles detected in the database are ironed out, the goal is to allow all chapter members to access the database in order to update individual demographic information. Many thanks go to Brian Cripe (current Membership Chair) for developing this database system.

I am currently initiating a membership drive through the aid of the radioactive material licensee database provided by the State of North Carolina Radiation Protection Section. Information regarding chapter activities, etc. will be mailed to each individual listed in the database (i.e., to individuals not currently chapter members) in an effort to recruit additional members to our chapter. Thanks to Marion Eaddy of the RPS for providing us with this database.

Finally, thanks go out to the Executive Council for making my duties as President easier to accomplish. Again, as I have said before, I encourage all chapter members to participate in chapter activities by working with a committee, serving as an officer on the council or attending meetings and/or giving presentations.

Thanks again to all for the pleasure to have served the chapter in my current position.

North Carolina Chapter of the Health Physics Society

Spring Meeting

March 6 & 7, 2008

Courtyard by Marriott
Carolina Beach, NC



A block of rooms is reserved for the chapter until February 12, with a room rate of \$89 per night. <http://www.courtyardcarolinabeach.com/> (group number NCHNCHA);

The chapter welcomes two Executives of the National Society to the meeting: Dr. Richard Toohey, President-Elect, as well as Dr. Terry Yoshizumi, a newly elected Health Physics Society Director. Both individuals will be presenting during the meeting. The docket of additional speakers offers a diverse array of topics for all attendees:

- Richard Toohey - Overview of National Health Physics Society
- Terry Yoshizumi - Radiation Exposure in Computed Tomography
- John O'Neil (Chase Environmental) Low Level Waste Options in the Industry
- Andrew Woodward (UNC-CH) Advances in Computed and Digital Radiography
- Robert Eble - MOX Process and Radiation Protection Design
- Todd Baker - EPA RTP Compliance Assessment
- Dan Sprau- Historical Making of Health Physics
- NC Radiation Protection Section - Updates on Nuclear Medicine Regulations, X-ray Regulations and Upcoming Security Requirements
- Undergraduate/Graduate Student Paper Competition

This meeting will offer a PEP course on Thursday morning from 8-12, on medical radiation safety topics (X-rays, shielding, testing, QC programs, regulatory requirements). Registration for the PEP course is \$50 per person and CE information will be provided. At the conclusion of the meeting, the chapter will host its annual business meeting for all members to attend.

The NCHPS chapter is sponsoring the Second Annual High School Science Student Paper Competition. The call for papers was sent to over 100 teachers in North Carolina, in cooperation with NC Science Teacher's Association, the NC Environmental Science Teachers Association and the North Carolina Physics Teachers Association. Final contestant submissions will be posted during the spring meetings for members to vote on, as three awards will be issued for outstanding papers.

Welcome New Chapter Members!

Jonathan Boan
Joshua Cahim
Dylan Cook
Amber Dailey
Kirk R. Freeman
Danielle Kuserow
Philip Laing

Francis Marion University
Francis Marion University
Francis Marion University
Clemson University
Clemson University
Francis Marion University
Francis Marion University

Tara Matheny
Cody McClam
Matthew W McElveen
Miles Norton
Amy Ratliff
Dan Sullivan
David Wagoner

Clemson University
Francis Marion University
Francis Marion University
Francis Marion University
Clemson University
GlaxoSmithKline, Inc.
Francis Marion University

Science Teacher's Workshop by Dale Dusenbury

The cooperation between NCSU Nuclear Engineering and the Health Physics Society Chapter in hosting the Science Teacher's Workshop has continued again this year. The Science Teachers Workshop titled "Get A Half Life". was offered on November 16, 2007 at the Professional Development Institute of the North Carolina Science Teachers Association Lisa Marshall, Director of Outreach for NC

State University's Nuclear Engineering Department, presented a talk on nuclear power and nuclear waste issues, while David Howell from Wake Forest Baptist Medical Center presented on nuclear medicine and general radiation topics. Five "goody bags" containing Geiger counters and other informational material were raffled off to the teachers that attended. Also in the exhibition hall, the Health Physics Society and the

Nuclear Engineering Department jointly staffed a booth.

The personnel attending the booth were Dale Dusenbury and Catherine Rosfjord of the Radiation Protection Section, along with Lisa Marshall of NCSU. As part of the free information on radiation topics, there were free radon test kit request forms. Twenty four free radon kits were requested as a result of the booth activities.

NC TOREV - by Dawn Burke

Our Mission: 2008

- To organize and train new and existing TOREV members for a statewide emergency response preparedness drill in July 2008.
- To renew and strengthen our team of volunteers through education, readiness drills and regular communication.
- To maintain a secured statewide database of ready, willing and able radiological volunteers.

Who can join our TOREV and Statewide team?

- Medical, Nuclear and Health Physicists
- Emergency managers: State and Local
- Hospital, Medical and Industrial experts

NC TOREV - North Carolinas Statewide Team of Radiological Volunteers

As an active TOREV Volunteer what would you be asked to do?

- Participate in an annual Radiological Drill in your region.
- Enhance our states readiness

- Share your knowledge
- Swing a meter to check for radiation levels
- Gamma Spec
- Liquid scintillation
- Logistical Planning and Processing

What can a retired, inactive or too busy active volunteer really do?

Offer your suggestions to TOREV.

Monitor our progress in TOREV. Lend any time and talents to TOREV.

2007-2008 College Essay Competition

Competition:

- A review panel will select the best four papers. These students will be invited to present at the Spring Meeting of the Health Physics Society, March 7th, in Carolina Beach, NC. The committee reserves the right to select fewer than four student papers for presentation depending upon quality and/or quantity of submissions. Each student's presentation will be limited to 20 minutes, with PowerPoint, slides and videos welcome. The competition winner will be announced at the conclusion of the meeting.

Prizes:

- Each student selected to present will receive free admission to the NCHPS meeting (one dinner, one breakfast included), one night stay at the meeting hotel and a certificate of participation.
- The best presentation, as determined by the student paper committee, will receive either %150 cash or \$750 in reimbursement to the National Health Physics Society, as explained below.
 - o If a winner is selected to present at the National Conference in Summer 2008, he/she will receive reimbursement of expenses, up to \$750 to attend the meeting.

2008 Updated Affiliates of the North Carolina Chapter of the Health Physics Society

| | | | |
|---|---|---|--|
| <p>Protean Instruments Corporation</p> <p>Darrell Scoggins 231 Sam Rayburn Pkwy Lenior City, TN 37771 865-717-3456</p> | <p>Thermo Scientific</p> <p>David Nice 303 Wingcup Way Simpsonville, SC 29680 Tel: (864)963-7996 Cell: (864)-630-9703</p> | <p>Bionomics Inc</p> <p>John McCormick PO Box 817 Kingston, TN 37763 865-220-8501</p> | <p>Laurus System Inc.</p> <p>Laura Lynch 8779 Autumn Hill Drive Ellicott City, MD 21043 (410) 465-5558</p> |
| <p>PerkinElmer Life Sciences</p> <p>Julie Ginsler 218 Parkridge Drive Clayton, NC 27520 P: 919-553-4698 C: 919-522-6741</p> | <p>Wm B. Johnson & Assoc</p> <p>Dick Landfried PO Box 472 Ronceverte, WV 24970 (304) 645-6568</p> | <p>Ortec</p> <p>Marc Menigo 801 South Illinois Ave. Oak Ridge, TN 37830 (770) 979-3957</p> | <p>Global Dosimetry Solutions</p> <p>Terry C. Moore 1924 Falling Creek Circle Mt. Pleasant, SC 29464 P: 843-849-9093 C: 843-991-5291</p> |
| <p>Canberra Industries</p> <p>Ron Vermilye 800 Research Parkway Meriden, CT 06450 800-243-3955</p> | <p>DEQ Technical Sales</p> <p>Ray McPhillips Mike Shephard 7767 Maida Vale Circle Powell, TN 37849 865-621-5123 (cell) 865-947-5123 (office)</p> | <p>Ludlum Measurements</p> <p>Dwane Stevens PO Box 810 Sweetwater, TX 79566 (325)-235-5494 (800) 622-0828</p> | <p>Philotechnics, Ltd</p> <p>Bob Pastor 201 Renovare Blvd. Oak Ridge, TN 37830 865-285-3009 direct 865-406-8106 cell</p> |
| <p>Ecology Service Inc</p> <p>Paul Marshall 102200 Old Columbia Columbia, MC 21046 (410) 381-2600</p> | <p>Radiation Safety and Control Services</p> <p>Jay Tarzia 91 Portsmouth Ave Stratham, NH 03885</p> | <p>Landauer Inc</p> <p>Laura Southard 2 Science Rd Glenwood, IL 60425 800-323-8830</p> | <p>F&J Specialty Products, Inc.</p> <p>Frank Gavila 404 Cypress Road Ocala, FL 34472 (352)680-1177 fax (352)680-1454 fandj@fjspecialty.com</p> |
| <p>Chase Environmental</p> <p>Steve Vodila 11450 Watterson Ct. Louisville, KY 40299</p> | <p>Thanks To All Our Affiliates!!</p> | | |

| Office | Name | Telephone | Mailing Address | E-mail Address | Elected |
|-----------------|---------------------|--|---|---|---------|
| Past President | John McLamb | 919/541-4235 (W) 919/541-1893 (fax) | NIEHS/Rad Safety Office (F070) 111 T.W. Alexander Dr. RTP, NC 27709 | Mclamb1@niehs.nih.gov | 2005 |
| President | Ritchie Buschow | 919/484-7524(H) | 7 Kandes Ct. Durham, NC 27713 | buschow.ritchie@epa.gov | 2006 |
| President-elect | Amy Orders | 919/515-5208 (W) 919/513-2690 (fax) | NC State University 2620 Wolf Village Way (8007) Raleigh, NC 27695-8007 | amy_orders@ncsu.edu | 2007 |
| Secretary | Laura Pring | 704/355-5376 (W) | Radiation Safety Office Carolinas Medical Center 1000 Blythe Blvd. Charlotte, NC 28203 | Laura.pring@ carolinashealthcare.org | 2007 |
| Treasurer | Todd Becker | 919/515-2895 (W) | 7641 Astoria Place Raleigh, NC 27612 | Todd_becker@ncsu.edu | 2007 |
| Council person | Roger Sit | 919/962-5711(W) | 1120 Estes Drive Extension Campus Box 1650 Chapel Hill, NC 27599-1650 | rsit@unc.edu | 2004 |
| Council person | J. Marion Eaddy III | 919/571-4141(W) | Div. of Rad. Protection 3825 Barrett Dr. Raleigh, NC 27609 | marion.eaddy@ncmail.net | 2005 |
| Council person | Jonathan Moore | 919/ 962-5713 (W) | 1120 Estes Drive Extension Campus Box 1650 Chapel Hill, NC 27599-1650 | jdmoore@ehs.unc.edu | 2006 |

II. Standing Committees/Appointees

| Committee | Chair | Telephone | Mailing address | E-mail Address |
|------------------------|--------------------------------------|--|---|---------------------------|
| Program | President elect | | | |
| Public Info/ Education | Dale Dusenbury, Jr | 919/571-4141 (W) 919/571-4148 (fax) 919/217-0989 (H) | Div. of Rad. Protection 3825 Barrett Dr. Raleigh, NC 27609 | Dale.dusenbury@ncmail.net |
| Nominating | Past President | | | |
| Newsletter Editor | Lauren T Daigle | 919/513-0988(W) | NC State University 2620 Wolf Village Way (8007) Raleigh, NC 27695-8007 | lauren_daigle@ncsu.edu |
| Membership | Brian Cripe | 704/384-3500 (W) 704/316-1348 (fax) 704/867-3695 (H) | 709 Woodhaven Lane Gastonia, NC 28056 | brian@ncradcom.com |
| Public Issues | David Lee | 919/791-4203 (W) 919/ 846-6321 (H) | 8033 Wavendon Ct. Raleigh, NC 27615 | David.Lee@ncmail.net |
| TOREV | Dale Dusenbury, Dawn Burke, Amy Lynn | | | |
| Student Paper | Amy Orders | 919/515-5208 | NC State University | amy_orders@ncsu.edu |

III. Adjunct Members/Appointees

| Program | Chair | Telephone | Mailing Address | E-mail address |
|--------------------------|--------------------|--|---|-------------------------------------|
| Science Teacher Workshop | Dale Dusenbury, Jr | 919/571-4141 (W) 919/571-4148 (fax) | Div. of Rad. Protection 3825 Barrett Dr. | Dale.dusenbury@ncmail.net |
| Survey Meter Custodian | Bill Fitzgerald | 919/541-3383 (W) 919/544-4323 (H) | NIEHS/Radiation Safety Office (F070) 111 T.W. Alexander Dr. | fitzger5@niehs.nih.gov |
| HPS/Chapter Liaison | Matt Moeller | (509) 946-0410 | | mmoeller@moellerinc.com |
| Historian | Laura Pring | 707/355-5376(W) | Carolinas Medical Center | Laura.pring@carolinashealthcare.org |

If you wish to contribute to
the Chapter newsletter,
please contact Lauren Daigle
513-0988
lauren_daigle@ncsu.edu



The newsletter is a publication of
the North Carolina Chapter of
the Health Physics Society

[http://hpschapters.org/
northcarolina/newsletter.php3](http://hpschapters.org/northcarolina/newsletter.php3)