



NCHPS

Summer 2008

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.

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Spring at Sunny Carolina Beach! by Amy Orders, President

Spring in Atlantic Beach turned out to be a great venue for the latest North Carolina Health Physics Society meeting. Our chapter returned to the Courtyard by Marriott for its semi-annual conference in March, with a novel continuing education session, a litany of great speakers and student presentations, as well as a wide gamut of vendor sponsors. The conference was well attended by all, with 72 attendees, 6 students and 11 vendors!

Thursday morning kicked off the conference with a novel continuing education session, provided by Department of Energy Global Radiological Threat Reduction, entitled "Understanding, Assessing, Enhancing Radioactive Material Security in the Post NRC Increased Security Control World". This CE course garnered twenty attendees for four hours of learning.

The Thursday afternoon session offered a cadre of radiation speakers, beginning with the Health Physics Society President Elect, Dr. Dick Toohey, offered insight into "Why no one believes us: Cognitive Neuroscience and Radiation Risk". Greg Mann with Sicel Technologies presented on MOSFET radiation dosimeters in radiation therapy applications; Andrew Woodward of UNC Chapel Hill, discussed ALARA and digital

radiography. Marion Eaddy, NC RPS, presented highlights to the nuclear medicine regulations. Todd Baker of EPA, discussed safety benchmarking at the Raleigh EPA Campus; Finally, Bonnie Kanoy of NC RPS, provided a regulatory update on radiation producing devices.

Thursday evening events kicked off with a social event, sponsored by Chapter Affiliates and vendors, followed by dinner that offered a sampling of seafood delicacies, pasta, salads, fruits with a chocolate fountain and Congratulatory Cake for Dr. Yoshizumi as dessert.

The Thursday evening dinner included a presentation by Dr. Dan Sprau, on the events associated with the SL-1 nuclear power reactor Accident in 1961; Dr. Sprau's oration provided a great historical perspective in health physics.



The evening festivities boasted a tropical theme, from table decorations to personal attire. Mr. Lee Cox,

Manager of the North Carolina Radiation Protection Section, Radioactive Materials Branch, won the Best Dressed award for the evening.

Friday's presentations led off with Dr. Terry Yoshizumi speaking on current issues related to CT dosimetry; Richard Eble provided a presentation on the MOX Fuel Fabrication Facility project; John O'Neil, with Chase Environmental, updated the members on the Industry's state of low level radiation waste disposal in the US; Amy Lynn, with Innovative Emergency management, provided an update on TOREV.

The final four presentations on Friday were given by students who participated in the student paper competition sponsored each year by the Chapter. The student presenters were Danielle Kusserow, David Wagoner, Samantha Penland (all of Francis Marion University) and Sam Brady (Duke University). David Wagoner was named the winner and will also present his research at the upcoming National Convention in Pittsburgh this July.

Warm thanks go to our vendors, without their continued support these meetings could not continue. I would also like to thank everyone who helped make this conference such a successful event for our chapter!

David Wagoner-NC HPS Student Paper Competition Winner

David Wagoner, of Francis Marion University, presented his research paper during the Spring Meeting, along with three other students from Francis Marion and Duke Univ. His presentation centered on Calibration of Low-Energy Photon Emitting Irradiator Systems, research that was performed last summer while working at

the Savannah River Site. This summer, David will be back at the Savannah River Site to do another project Involving the response of portable instruments to low-energy photons emitted from these irradiators.

David recently graduated from Francis Marion University and will continue his education at Texas A&M University in pursuit of a MS

in health physics. After obtaining his masters degree, David would like to work for the Department of Energy or a nuclear power utility. Congratulations to David and all the paper finalists!



David Wagoner,
far left

North Carolinian Elected to Health Physics Society, Board of Directors

Dr. Terry Yoshizumi, of Duke University, has been elected to the Health Physics Society Board of Directors for 2008-2009. The directors serve as the primary conduit of information between the Board and the chapters and section and should, whenever possible, attend a chapter meeting during the year and the section meeting. All directors should ensure that the members of their assigned chapters and section know who the directors are and that they are the persons to be contacted with any questions or issues regarding Society operations. Directors are also expected to ensure that their chapters and section submit their reports to the Board in a timely manner, keep their Web pages updated, and contribute to the achievement of the Society's goals.



In this role, Dr. Yoshizumi will act as HPS liaison to Southeast chapters: Bluegrass, East Tennessee, Four Rivers (inactive), North Carolina, Savannah River, Virginia, as well as manage the performance of the Medical Health Physics Section of the national society.

2008 NC HPS Budget Update

Income

Spring Meeting			
	Members	\$1,260.00	
	Non-members	\$305.00	
	Students	\$30.00	
	Guest Dinner	\$75.00	
	Training Course	\$750.00	
	Vendors	\$2,250.00	
	Total		\$4,670.00
Membership Renewals			\$1,435.00
	Total	\$6,105.00	

Expenses

Spring Meeting	\$5,325.41
Newsletter	\$116.10
Plaques	\$228.93
PO Box Fees	\$92.00
Ballots	\$39.24
New Member	\$27.86
Science Teacher	\$5.66
Renewal Mailings	\$16.40
High School Student	\$325.00
College Student	\$150.00
Total	\$6,326.60

North Carolina Science Teacher Wins National Health Physics Award

The North Carolina Chapter nominated Brian Whitson of Salisbury High School for the National HPS Outstanding Science Teacher Award. Mr. Whitson will be recognized at the National Meeting in July, as well as our Chapter Fall Meeting in Charlotte. Our Congratulations to Mr. Whitson.



HEALTH PHYSICS SOCIETY

Specialists in Radiation Safety

Brian Dodd, Ph.D.
Chair, Awards Committee
10313 Cogswell Ave.,
Las Vegas, NV 89134-5209
Telephone: 702-219-9021
Fax: 702-254-2346
Email: BDC.mail@cox.net

BRIAN A. WHITSON
Salisbury High School,
500 Lincolnton Road
Salisbury, NC 28144

Mr. Whitson:

It is with great pleasure that I am able to inform you, on behalf of the Health Physics Society Awards Committee, that you have been chosen to be a recipient of the Society's Geoffrey G. Eichholz Outstanding Science Teacher Award for the year 2008. This award is given to honor teachers who have made significant contributions to educating students in topics related to the field of radiation safety.

The award consists of a \$750 presentation to your school, a citation and plaque, which we will present at the Awards Dinner in conjunction with the Annual Meeting of the Health Physics Society, which will be held in Pittsburgh, 13-17 July 2008 at the David Lawrence Convention Center, with the Westin Hotel, Pittsburgh as the headquarters hotel. You and a guest will also receive complimentary ticket to the Awards Dinner. The Awards Dinner will be held in conjunction with Annual Meeting, on Tuesday, July 15, 2008, at 7:00 p.m. in the Convention Center.

An award citation will be prepared by an HPS member from the North Carolina Chapter of HPS, which nominated you for the award. As Awards Committee Chair, I will provide your brief introduction and present your award. Following the presentation you may wish to address the audience. As ceremony moderator I request that you carefully limit your remarks to no more than 5 minutes.

Please accept my personal congratulations on being named a 2008 recipient of the Health Physics Society's Geoffrey G. Eichholz Outstanding Science Teacher Award.

Sincerely,

Brian Dodd, Ph.D.

cc:Richard J. Burk, Jr., Executive Secretary
Kevin Nelson, President, HPS
Genevieve S. Roessler, Editor-in-Chief, HPNews
Ritchie D. Buschow, President, North Carolina Chapter HPS

NCHPS Elects New Board Members for 2008-2009



PRESIDENT ELECT -Laura Pring

Mrs. Pring is a Radiation Safety Specialist for Carolinas HealthCare System. In her current position she works directly with the RSO to implement a large radiation safety program. Laura has 28 years of combined experience in radiation safety and radiology, including 9 years at Duke Energy's McGuire Nuclear Power Station as a Radiation Protection Specialist. She has been a member of the National Health Physics Society and North Carolina Health Physics Society since 2003 and has served on the NCHPS Program Committee and more recently on the NCHPS Executive Council as Secretary. In 2007 she was appointed to a 3-year term on the HPS Program Committee and will be the 2009 HPS annual meeting Task Force Chair in Minneapolis. Laura is a Registered Radiation Protection Technologist and a Registered Radiologic Technologist.



SECRETARY/HISTORIAN-Marion Eaddy

Mr. Eaddy is a consultant with Prophysics, Inc. Previously, Mr. Eaddy was a health physicist with the North Carolina Radiation Protection Section, Radioactive Material Branch. He is a long-standing member of our chapter and has served in numerous other roles on the Executive Council. Mr. Eaddy is the North Carolina Health Physics Society Secretary and Historian for 2008-2011.



COUNCIL PERSON- Bill Byrum

Mr. Byrum is employed with Duke Energy and is a long standing North Carolina Chapter of the Health Physics Society chapter. Mr. Byrum is a certified health physicist and will serve as a Council Person for 2008-2009.

NCHPS 2008 Fall Meeting Registration Form
November 6-7, 2008 at Holiday Inn Charlotte-Center City
230 N College St, Charlotte, NC, 28202

- A block of rooms has been reserved for November 6th and 7th at the government per diem rate of \$88 per night excluding taxes. Room reservation cut-off date is October 6, 2008.

Reservations (code NCH): 800/287-0037, or on line from the www.nchps.org Meetings link

Featuring Presentations by:

- Howard Dickson, CHP, HPS President-elect
- John Till, PhD, President, Radiological Assessments Corp
- Perry Sprawls, PhD, CE (FACR, FAAPM, DABR, DABMP, CCE), Emory School of Medicine
- William Rhodes III, CHP, Sandia National Laboratories
- Christopher Martel M.S., CHP, Boston University/Boston Medical Center
- Beth Franklin, M.S. DABR, Carolinas Medical Center
- Matt Norton CIH, CSP, Vice President, Philotechnics Ltd.
- Allen Mabry, M.S., CHP, General Electric Company Nuclear Fuels
- Jay Tarzia M.S., CHP, Radiation Safety and Control Services
- Larry Haynes, CHP, Duke Energy

Professional Enrichment Program: "Fundamentals of Digital Radiography", presented by Andrew Woodward MA, R.T.(R)(QM)(CT)(ARRT), Clinical Professor, UNC School of Medicine

Name for badge: (First) _____ (Last) _____

Affiliation (for badge): _____

Address and Contact Information

City: _____ State: _____ Zip/Postal Code: _____

Business Phone: _____ FAX: _____

Email: _____

Preregistration Deadline is October 30, 2008

<i>Meeting Registration Fees</i>	Preregistration (before Oct. 30)	Registration (after Oct. 30)
? HPS, NCHPS, or other HPS Chapter member	\$55	\$60
? Non-NCHPS or HPS member	\$60	\$65
? Student	\$15	\$15
? Guest Thursday Night Buffet (per person)	\$25	\$30
Registration Total:		
? PEP Course: Digital Radiography	\$50	\$55
Total Enclosed: _____		

Make checks (Our apologies: the Chapter cannot accept PO or Credit Card) payable to:
 North Carolina Health Physics Society (NCHPS)

Mail Registration Form to:
 Todd Becker
 North Carolina State University
 2620 Wolf Village Way, CB 8007
 Raleigh, NC 27695-8007

Office	Name	Telephone	Mailing Address	E-mail Address	Elected
Past-President	Ritchie Buschow	919/484-7524	7 Kandes Ct. Durham, NC 27713	buschow.ritchie@epa.gov	2006
President	Amy Orders	919/515-5208	NC State University 2620 Wolf Village Way (8007) Raleigh, NC 27695-8007	amy_orders@ncsu.edu	2007
President-elect	Laura Pring	704/355-5376	Carolinas Medical Center 1000 Blythe Blvd. Charlotte, NC 28203	Laura.pring@ carolinashealthcare.org	2008
Secretary	J. Marion Eaddy III	800/835-3615	Prophysics 400 Dominion Drive Suite 109 Morrisville, NC 27560		2008
Treasurer	Todd Becker	919/515-2895	2620 Wolf Village Way (8007) Raleigh, NC 27695-8007	Todd_becker@ncsu.edu	2007
Council person	Roger Sit	919/962-5711	1120 Estes Drive Extension Campus Box 1650 Chapel Hill, NC 27599-1650	rsit@unc.edu	2004
Council person	Bill Byrum	704/875-5811	6879 Lowesville Lane Stanley, NC 28164	bbyrumchp@charter.net	2008
Council person	Jonathan Moore	919/ 962-5713	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 919/571-4148	Radiation Protection Section 3825 Barrett Dr. Raleigh 27609	Dale.dusenbury@ncmail.net
Nominating	Past President			
Newsletter Editor	Lauren T Daigle	919/513-0988	NC State University 2620 Wolf Village Way (8007) Raleigh, NC 27695-8007	lauren_daigle@ncsu.edu
Membership				
Public Issues	David Lee	919/791-4203	8033 Wavendon Ct. Raleigh, NC 27615	David.Lee@ncmail.net
TOREV	Dawn Burke	919/571/4141	Div. of Rad. Protection 3825 Barrett Dr.	Dawn.burke@ncmail.net
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	Radiation Protection Section	Dale.dusenbury@ncmail.net
Survey Meter Custodian	Bill Fitzgerald	919/541-3383	NIEHS/Rad Safety Office (F070) 111 T.W. Alexander Dr. RTP, NC 27709	fitzger5@niehs.nih.gov
HPS/Chapter Liaison	Terry Yoshizumi			
Historian	Marion Eaddy	800/835-3615	Prophysics	

**2008 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 1-800-525-8339</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 502-267-1455</p>	<p>MHF Logistical Solutions, Inc.</p> <p>Erik Vogeley 800 Cranberry Woods Drive, Suite 450 Cranberry Township, PA 16066 1-724-772-9800</p>	<p align="center">Our sincere appreciation for all our affiliate and vendor support!</p>	

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)