



NCHPS NEWSLETTER

JANUARY 2006

Message from the President

Gerald Wicks

At the beginning of each year, it is customary to evaluate goals and determine if any modifications are necessary. With that in mind, here my thoughts about how the NCHPS is doing:

- Our chapter is active and stable. Membership levels have been stable, and chapter meetings are well attended. Registration fees and vendor membership and participation have been beneficial in conducting the meetings while maintaining a sound financial status. Coordination of events with other professional organizations having similar interest has been attempted, but logistics and timing have been difficult.
- Support of education remains active. For the past several years, the chapter's Science Teacher Workshop committee has been involved with the NC Science Teacher's Association annual convention. Additionally, the NCHPS encourages college students to participate in our meetings and the HPS annual meeting via student papers. Also, continuing education courses have been offered with recent chapter meetings. Hopefully this practice will continue and be of value to our members.
- Our chapter is financially sound. Our treasury is stable and sufficient enough for us to invite outside speakers to our meetings and support our educational efforts.
- Other chapter activities include support of the Team of Radiological Emergency Volunteers (TOREV). Also, our chapter had expressed interest in the "Radiation Safety Without Borders" program initiated by the HPS a few years ago. HPS President-elect Brian Dodd indicated at our special winter meeting that this program may be revived. If so, I would encourage our members to

Overall, the chapter is stable and doing well. We are well prepared for providing continued benefits to our members and the public through our future activities.

A Call for Student Papers

Felix Fong

The 2005-2006 student paper competition sponsored by our Society is calling for papers from any students (undergraduate, graduate or post-doctorate) who are enrolling in an accredited institution of higher learning and researching. The competition is an oral presentation on any subject applicable to the field of health physics, radiological health or bio-radiological health. The student may report on completed original research or work in progress.

HOW TO ENTER:

1. Submit an abstract of a paper (not more than 150 words) before **March 1, 2006** to:
S. W. (Felix) Fong, Ph.D.
N. C. Radiation Protection Section
3825 Barrett Drive
Raleigh, N. C. 27609-7221
2. If the number of papers presented is less than five, students will be asked to make an oral presentation of their abstract during the Chapter's spring meeting.
3. Each student's presentation will be limited to 20 minutes. The competition winner will be announced on the same evening.

REWARD:

1. A cash award (\$150 for first, \$100 for second, \$50 for third) and a certificate of participation will be given to each winner. If there are less than three participants, the committee reserves the right to award only one or no winners, depending upon the work and quality of the presentation.
2. The first place winner will be reimbursed 100% of reasonable out-of-pocket expenses to participate in the NCHPS Chapter's Spring Meeting (March 23-24, 2006) Crown Plaza Resort, Asheville, NC.
3. Reimbursement of expenses, up to \$750, if the first place student is selected to present their paper at the 2006 National Health Physics Society meeting to be held in Providence, RI from June 25-29, 2006.



Bionomics provides turnkey services for the Removal and Disposal of Radioactive and Mixed Wastes. This can include the packaging, brokerage, transportation, processing and disposal. We handle all types of Radioactive and Mixed Wastes including but not limited to the following common waste streams: Lab Trash, Sealed Sources, Scintillation Vials, Animal Carcasses, Irradiators, Radium, Aqueous Liquids and Mixed Waste. Other related services are also offered.

Bionomics has stringent requirements when dealing with processing and disposal companies and deal only with those facilities that have demonstrated financial stability and regulatory compliance. We utilize processing and disposal options that are economical and offer a reduction of long-term liabilities. Timely disposal is assured and Disposal Certificates are issued documenting final disposal.

Our facility is located in Oak Ridge, Tennessee and from here we service a large portion of the country on a regular basis. Service to Texas generators is on a quarterly basis. Bionomics maintains complete control of clients waste by using our own trucks and driver/technicians in the transportation of hazardous and radioactive wastes.

Our resources and personnel are dedicated to providing services to the satisfaction of our clients. If you have any questions or would like any information, please call us at 865-220-8501.

Contact: John McCormick
BionomicsJohn@comcast.net
865-220-8501



ENVIROCARE OF UTAH, LLC
SAFE AND SECURE

In October 2005, Envirocare of Utah, LLC completed the acquisition of the Decontamination and Decommissioning (D&D) Division of Scientech, LLC. The Scientech D&D Division managed and performed decommissioning projects nationwide for government agencies, academia, and commercial clients.

"We are pleased with the acquisition of Scientech's D&D Division," said Steve Creamer, President and CEO of Envirocare. "This acquisition will greatly enhance Envirocare's project management capabilities. We are particularly pleased with the high quality of individuals who will be joining the Envirocare team. The D&D Division enhances our high standard of services we provide to all of our customers."

The new Envirocare Field Services (EFS) Division offers a variety of services ranging from initial consultation to project management and execution of facility decontamination and decommissioning projects. The acquisition also included the transfer of Scientech's NRC-issued mobile license to Envirocare. This license allows the EFS Division to conduct decontamination and decommissioning services nationwide.

"We are very pleased with this acquisition," said Kevin Taylor, a former Scientech and now current EFS health physicist and NC HPS member. "The acquisition allows us to provide true "cradle-to-grave" services. We now have the technical resources to assist clients with tasks ranging from obtaining a new radioactive materials license to managing the disposal of radioactive waste and we can support every step in between."

The EFS Division will continue to be headquartered in New Milford, Connecticut with an office in Greenville, South Carolina.

Science Teacher Workshop

Talytha Moore

The workshop was a great success. Several hundred teachers stopped at the booth and picked up radon and radiation information. They were very excited about us giving out 5 "goodie" bags on Friday morning (the last day of the conference). A drawing was held and 5 names were selected. Several visitors to the booth remembered us from the 2005 Summer Workshop at the School of Science and Math in Durham. I was also asked to participate in the 2006 workshop that may be held in the western part of the state.



Hopefully a presentation slot can be reserved. Next year it would be a good idea to have a presentation slot as well as a booth at the November workshop. There was a lot of interest both for the classroom as well as for the teachers personal homes. Special thanks to Roger Sit for participating on Thursday November 10th. It was a very busy day and I appreciate his assistance.

Other News:

Dr. Yoshizumi was invited to become a member of the Scientific Committee 6-2 by Dr. Thomas Tenforde, President, NCRP. The committee will prepare a new NCRP report on "Ionizing Radiation Exposure of the United States Population." Dr. Yoshizumi is an expert in modern MDCT dosimetry.

DOT/IATA Refresher Training Course offered at the Upcoming Spring Meeting

John McLamb (NIEHS) and Ben Edwards (Duke University) will teach a four hour refresher course on shipping radioactive material using both DOT and IATA regulations. The course will be held in conjunction with the NCHPS Spring Meeting in Asheville, NC. The course will be held on Thursday, March 23rd from 8AM - 12 noon and is geared toward medical and research facilities shipping needs. This training has been approved for eight continuing education credits by the AAHP. There is a \$50/attendee charge for the course. All students must pre-register by March 10th. This is a great opportunity to obtain refresher training at a very reasonable cost.

TOREV

Gary Parker

We are continuing to update our participation with the College of Veterinary Medicine. The database will enhance public health preparedness in providing officials with a list of radiation safety specialists. Questions or concerns should be directed to: Gary Parker (gdparker@nc.rr.com) or Dale Dusenbury (Dale.Dusenbury@ncmail.net).

TALSO

Ben Edwards

The Triangle Area Laser Safety Officers (TALSO) group met the afternoon of January 19, 2006. The meeting was graciously hosted by Allen Nowak at Dupont's RTP facility. The meeting featured excellent presentations by Central Carolina Community College (CCCC) Photonics program students Darren Hart, Alfonso Arvizu, Matthew Daniel, Michelle Redish, and Max Hoel on the safe alignment of Nd:YAG and Argon lasers. Ben Edwards also gave a sneak preview of his 2006 HPS MidYear Meeting presentation on an automatic health care laser activation indicator system recently implemented at the Duke University Medical Center. The next TALSO meeting is tentatively scheduled for April 20, 2006. See the TALSO page on your NCHPS website (www.nchps.org) for further details.

Fall and Annual Business Meeting

John McLamb

The Fall 2005 meeting of the North Carolina Chapter of the Health Physics Society was held at the Courtyard by Marriott on November 3rd and 4th. With sunny skies and seventy degree temperatures, it was a testament to the strength of the presentations that few, if any, of the 53 members attending skipped out to the beach.

The first session started off with a discussion by Todd Baker on calibration of portable survey instruments for use in 125I thyroid bioassay monitoring. Gerry Wicks followed with an interesting synopsis of work being performed at the NCSU Neutron Imaging Facility. Ben Edwards discussed some of the hazards associated with magnetic fields created in MRI Facilities. Bradford Taylor discussed treatment of liver cancer using microsphere brachytherapy. Wendy Tingle finished the day with a discussion of waste issues affecting North Carolina Radiation Users.



Friday morning began with Kevin Taylor recounting his efforts to characterize a room full of “forgotten” radioactive sources at the University of Illinois. Bill Fitzgerald followed with a discussion of recent trends in rad usage at the National Institute of Environmental Health Sciences. Mark Waterman and Andrew Tompkins from Los Alamos National Labs finished the session with a talk about their efforts in the US Sealed Source Recovery

Program. Derik Jokisch gave a presentation about his experience dealing with an Esquire magazine reporter. The reporter was researching the story of an atomic bomb accidentally dropped in South Carolina in 1958. Two significant points from Derik’s talk were: 1. make sure you know what you are grabbing if you pull yourself up onto an atomic bomb, and 2. germanium detectors look like beer kegs to the general public. Gerry Wicks followed with a less entertaining description of his dealings with the ABC news on their story about security at university reactors. Netiti Moori gave the final talk of the meeting on aircraft laser safety issues.



On January 6, 2006 the annual business meeting was held at Café Luna in downtown Raleigh. After an incredible lunch, HPS President Elect Brian Dodd gave an interesting talk on his work with the IAEA and its efforts in control of radioactive sources. Dr. Dodd then encouraged the chapter to reactivate its Radiation Without Borders program and partner with a country that does not have an active health physics related professional society. NCHPS president Gerry Wicks then gave a state of the chapter address and Treasurer James Albright reviewed the 2005 budget and introduced the 2006 budget.

Our next meeting will be in Asheville, NC on March 23 and 24. We are still looking for speakers. If you have a talk that would be of interest to the chapter, please contact me at mclamb1@niehs.nih.gov.

Science Summer Programs available in North Carolina For Grade School through High School

Young Investigators' @ NCSU: Summer Program In Nuclear Technology (Lisa Marshall)
<http://www.ne.ncsu.edu/outreach/index.html>

North Carolina Maritime Museum: Summer Science School for Children
http://www.ncmm-friends.org/onthewater/summer_science.htm

NC Museum of Natural Science: Summer Camp for Children
http://www.naturalsciences.org/calendar/summer_camps.html

Camp Invention:
<http://www.invent.org/>

The Science House@ NCSU:
<http://www.science-house.org/student/imhotep/index.html>

NCSU-Middle and High School Engineer Summer Programs
<http://www.engr.ncsu.edu/summerprograms>

Duke Youth Programs
<http://www.learnmore.duke.edu/Youth/>

Academic Treks by Broad Reach: Academic and Services Adventure Program
<http://www.academitreks.com/>

**Contemporary Science Center:
Entrepreneurs and Science**
<http://www.contemporarysciencecenter.org/pages/3/index.htm>

List of Programs for NC:
<http://www.raleigh-moms.com/GuideCamps.html>

For College students:

NIEHS Summer of Discovery Program
<http://www.niehs.nih.gov/summers/home.htm>

Carolina Summer Fellowship Program: Research Opportunities in Pharmacology (Kathy Justice)
<http://www.med.unc.edu/pharm/csfp.htm>

UNC Summer Research Experience for Undergraduate (Due date: Mar. 1, 2006)
<http://www.med.unc.edu/pmbb/sure/index.htm>

NCSU Programs:
<http://www.ncsu.edu/undergrad-research/Studentsa/summer-research-programs.php>

Listed Programs for Undergraduates:
<http://www.igert.org/reus.asp>

List of Other programs in the US:
<http://www.eecs.berkeley.edu/Programs/summerK12.htm>
<http://cty.jhu.edu/imagine/linkA4.htm>
<http://www.columbia.edu/cu/biology/ug/intern.html>

IN THIS ISSUE:

President Message	Page 1
Student Paper Competition	Page 1
Bionomics	Page 2
Envirocare	Page 2
Science Teacher Workshop	Page 3
TALSO	Page 3
TOREV	Page 3
DOT/IATA Course being offered	Page 3
Fall and Annual Business Meeting	Page 4
Summer Programs	Page 5
Executive Council/ Affiliates	Insert
Spring Meeting Announcement	Insert

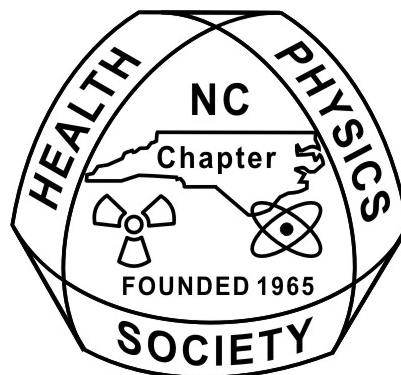
Newsletter Staff:

If you have note-worthy information you would like to share about health physics and the North Carolina Chapter members, please contact:

Giao Nguyen(nguye019@mc.duke.edu)
919-668-3185

THE NEWSLETTER

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Chapter of the Health Physic Society



www.nchps.org

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Executive Council – 2005/2006 Session

I. Elected Officials

Office	Name	Telephone	Mailing Address	E-mail Address	Elected
Past President	Bill Fitzgerald	919/541-0325 (W) 919/544-4323 (H)	NIEHS/Rad Safety Office (F070) 111 T.W. Alexander Dr. RTP, NC 27709	fitzger5@niehs.nih.gov	2003
President	Gerald Wicks	919/515-4601 (W) 919/515-5115 (Fax)	NC State University 2119 Burlington Lab, Box 7909 Raleigh, NC 27695	wicks@eos.ncsu.edu	2004
President-elect	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
Secretary	Ritchie Buschow	919/484-7524(H)	7 Kandes Ct. Durham, NC 27713	rdb2952@aol.com	2004
Treasurer	James Albright	919/571-4141(W)	Div. of Rad. Protection 3825 Barrett Dr. Raleigh, NC 27609	james.albright@ncmail.net	2005
Council person	Amy Orders	919/515-5208 (W) 919/513-2690 (fax)	NC State University 1150 Varsity Drive, Box 8007 Raleigh, NC 27695-8007	amy_orders@ncsu.edu	2003
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	Roger Sit	919/962-5711	212 Finley Golf Course rd Chapel Hill, NC 27514	rsit@unc.edu	2004

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	Giao Nguyen	919/434-3766 (H) 919/668-3185 (W)	2951-24 Springsweet Ln Raleigh, NC 27612	nguye019@mc.duke.edu
Membership	Brian Cripe	803/831-3425 (W) 803/831-3555 (fax) 704/867-3695 (H)	709 Woodhaven Lane Gastonia, NC 28056	brian@ncradcom.com
Public Issues	David Lee	(919) 846-6321	8033 Wavendon Ct. Raleigh, NC 27615	David.Lee@ncmail.net.
TOREV	Gary Parker	919/772-5673		gdparker@nc.rr.com
Student Paper	Felix Fong	919/571-4141 (W) 919/571-4148 (fax) 919/870-6868 (H)	Div. of Rad. Protection 3825 Barrett Dr. Raleigh, NC 27609	Felix.Fong@ncmail.net

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) 919/217-0989 (H)	Div. of Rad. Protection 3825 Barrett Dr. Raleigh, NC 27609	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. Research Triangle Park, NC 27709	fitzger5@niehs.nih.gov
HPS/Chapter Liaison	Joseph Alvarez			jalvarez@auxier.com
Webmaster	Ben Edwards	919/668-3157 (W) 919/668-2783 (fax) 919/929-5718 (H)	1302 Willow Dr. Chapel Hill, NC 27514	edwar086@mc.duke.edu
Historian	Ritchie Buschow	919/484-7524(H)	7 Kandes Ct. Durham, NC 27713	rdb2952@aol.com

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