



THE *BILLET* STC NEWSLETTER

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OFFICIAL NEWSLETTER of the SOUTH TEXAS CHAPTER of the HEALTH PHYSICS SOCIETY

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TSTC-EHS Students Attend HPS National Meeting

Ken Krieger and Linda Morris

Two faculty members and six students from the Environmental Health and Safety Department of Texas State Technical College (TSTC) attended the winter meeting of the National Health Physics Society (HPS) in Albuquerque, New Mexico during the week of January 23–27, 2010. The drive took about 13 hours. On the way back, the highway was closed 12 hours after we left, so we just made it through before the highway was closed.

As with other technical and often misunderstood subjects, the ability to effectively communicate with the general public is essential — especially in times of emergencies or accidents. Some of the main presentations covered such topics as techniques for communication, lessons learned from local emergencies, and some new ways to think about how people perceive risk.

The students had an opportunity to listen to the technical presentations, meet vendors to find out about the latest equipment and instruments, talk to representatives from Department of Energy



Photo by Ken Krieger

Back row left to right: Etoy Gossett, Linda Morris, CJ Garrette, Desiree Colgate, John Lejeune

Front row: Danette French, Jimmy Smith, Richard Charles



Photo by Ken Krieger

Back row left to right: Linda Morris, Richard Charles, Desiree Colgate, Etoy Gossett

Front row: Danette French, Jimmy Smith, CJ Garrette

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★★★ See pages 12–16 for upcoming meeting information. ★★★

News Release
from the

American College of Radiology

Statement on Airport Full-Body Scanners and Radiation

January 2010 — Amid concerns regarding terrorists targeting airliners using weapons less detectable by traditional means, the Transportation Security Administration (TSA) is ramping up deployment of whole body scanners at security checkpoints in U.S. airports. These systems produce anatomically accurate images of the body and can detect objects and substances concealed by clothing.

To date, TSA has deployed two types of scanning systems:

- **Millimeter wave technology** uses low-level radio waves in the millimeter wave spectrum. Two rotating antennae cover the passenger from head to toe with low-level RF energy.
- **Backscatter technology** uses extremely weak X-rays delivering less than 10 microRem of radiation per scan — the radiation equivalent one receives inside an aircraft flying for two minutes at 30,000 feet.



An airline passenger flying cross-country is exposed to more radiation from the flight than from screening by one of these devices. The

National Council on Radiation Protection and Measurement (NCRP) has reported that a traveler would need to experience 100 backscatter scans per year to reach what they classify as a Negligible Individual Dose. The American College of Radiology (ACR) agrees with this conclusion. By these measurements, a traveler would require more than 1,000 such scans in a year to reach the effective dose equal to one standard chest x-ray.

The ACR is not aware of any evidence that either of the scanning technologies that the TSA is considering would present significant biological effects for passengers screened.

The ACR encourages those interested in learning more regarding radiation associated with imaging and radiation oncology procedures as well as radiation naturally occurring in the Earth's atmosphere to visit www.radiologyinfo.org. 🇺🇸

STCNEWS

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STC Affiliates make our scholarships possible!

The South Texas Chapter of the Health Physics Society (STC-HPS) is a professional society that was organized and chartered in 1964. Its objectives are to:

- **Develop scientific knowledge** in the study of radiation
- Devise practical means to **protect people and their environment** from harmful effects of radiation
- Provide and support meetings to **discuss scientific endeavors**
- Encourage **scientific research and education** dedicated to the science of radiation protection
- Aid in **research and education opportunities** in health physics and radiation protection for college and university students



Scholarship Fund

Karen Myers
 Pete Myers
 Bob Cherry
 Bud Norton
 Ron Scheele
 Ed Bailey
 John Hageman
 Bruce Schoenbucher
 John Salsman
 John White
 Kathy James
 Susan Jablonski
 David Fogle
 Nathaniel Fogle
 Otu Inyang
 Francis Towey
 Mike Charlton
 Carmine Plott
 Sylvia Revell
 David Crowder
 Debra Ratliff
 Richard Ratliff
 Hans Weger



Science Teacher Workshop Fund


Bob Cherry
 Ed Bailey
 John Hageman
 Bruce Schoenbucher
 John White
 Kathy James
 Susan Jablonski
 David Fogle
 Nathaniel Fogle
 Francis Towey
 Robert Perry
 Carmine Plott
 Sylvia Revell
 Debra Ratliff
 Richard Ratliff
 Hans Weger

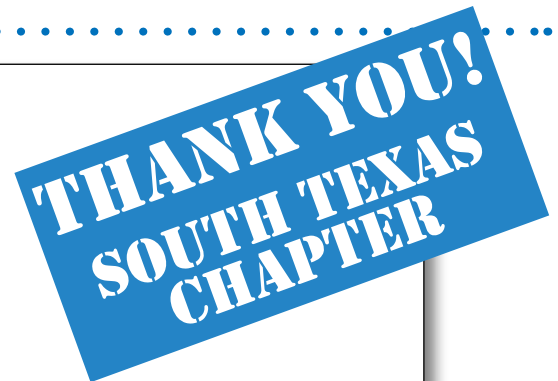
Generous Thanks for All Donations to the Chapter's Educational Funds

by David Fogle

The Executive Council of the South Texas Chapter of the Health Physics Society wishes to thank and laud the following persons who donated to the Chapter's

educational funds during the 2010 membership renewal process. These tax-deductible donations were received from November 1, 2009 through February 2, 2010, and directly support

the Chapter's educational mission. Affiliate members are welcome to donate to these funds as well. Look for *your name, or your company's name*, in the next issue of *The Billet!* 



To: Michael A. Charlton
 University of Texas
 Health Science Center
 at San Antonio

John M. Salsman
 Texas A & M University

Dear Michael and John,

On behalf of the HPS, I wanted to express to you the Society's sincere appreciation for your efforts during the 2009 Midyear Meeting. The meeting was quite successful, due in major part to the activities of the South Texas Chapter under your expert guidance.

Along with our expressions of appreciation, it is also my pleasure to forward you a check in the amount of \$2,000, representing the Society's Award to the Chapter for serving as host.

You are all to be congratulated for hosting a most successful meeting. Thank you, and best personal wishes from the Secretariat staff.

Sincerely,
 Richard J. Burk, Jr.
 Executive Secretary
 November 20, 2009

SAVE TIME & MONEY

Get your issue of *The Billet STC Newsletter* the E-WAY!

UPDATE your contact information on the STC-HPS Web site.

SOUTH TEXAS CHAPTER *of the* HEALTH PHYSICS SOCIETY, INC.

Minutes of the Executive Council Meeting

January 8, 2010

Jennifer Watson, Secretary

Persons in Attendance

Executive Council (EC) Members:

Stan Bravenec.....President
 Karen BlanchardPresident-Elect/
 Programs Chair
 Jay Poston.....Past-President
 Jennifer WatsonSecretary
 Douglas Johnson.....EC Member
 John WhiteEC Member
 Sam DanielEC Member
 Pete Myers.....Treasurer-Elect/
 Membership Chair

Committee Chairpersons:

Karen MyersAdmissions Chair/
 Publications Chair
 John Hageman.....*The Billet* Editor
 Al EvansScience Teacher
 Workshop

Chapter Members & Guests:

Ken Krieger.....STC Member & Guest
 Michael A. Charlton....STC Member & Guest
 Edward F. MayerHPS National
 President-Elect

Agenda Item	Discussion	Action
Call to Order 5:20 p.m.	Quorum established	N/A
Agenda Approval	Move to approve as written	<i>Committee Vote:</i> Approved
September 2009 STC-HPS Executive Meeting	Motion to approve the minutes from the September 2009 meeting Motion: Doug Johnson Second: Jay Poston	<i>Committee Vote:</i> Approved
Member Request by Mike Charlton	Mike Charlton presented a request to endow a Professorship/Chair position for the UT Health Science Center at San Antonio. This Chair would be in charge of Medical Health Physics and is needed due to the lack of professors.	
	Questions arose regarding the following: 1. How many students are in the program versus the number of professors? 2. Can we compare this project to other national/previous societies, etc.? Mike Charlton answered the questions, noting that currently we have three Health Physics students and two unpaid professors but we are looking toward a PhD program. This would be similar to the student scholarship at Texas A&M University. Possibly the STC could provide matching funds to the Health Science Center to put into an account which would grow, and the name might draw attention or assistance.	
	John White noted his support of the project and asked Mike Charlton to come up with a proposal.	
	Motion that the Executive Council consider and study the request from Mike Charlton to either fund a Chair or support the Health Science Center at San Antonio with consideration in the form of a faculty member or student support as outlined in a proposal to be submitted by Mike within a ten month time frame, and with emphasis on Medical Health Physics. Motion: John White Second: Karen Blanchard	

Agenda Item	Discussion	Action
Member Request by Mike Charlton <i>continued</i>	<p>Discussion of motion:</p> <ol style="list-style-type: none"> 1. Is it legal under Bylaws to possibly have a string attached that the Chair would be obligated to submit students each year acceptable with context? Response: It might be difficult to extend or add a string. 2. Perspective on the money available: We are extended to the Neff Poston Award; two education grants of \$1,000; the student paper research meeting of \$1,000; and the annuity of \$30,000. There should be approximately \$10,000 in the scholarship fund this time next year. 3. We could donate a lump sum and have the University manage the money instead of the STC-HPS — similar to the interaction with TAMU. 4. Nine months should give us enough financial knowledge to discuss this and the fund issues at the time the proposal is submitted. 5. Possibly look at endowing a Chair and/or a scholarship for a student. 6. The STC-HPS could interview the endowed Chair and set up congeniality to assist in student membership. 	<p><i>Committee Vote:</i> Approved</p>
	<p>A subcommittee was created to review this proposal and give feedback to the STC. The Chair is Doug Johnson with Pete Myers and John White as members.</p>	<p><i>Action Item:</i> Michael Charlton must come up with a proposal within 10 months for EC review along with research by the Subcommittee on previous examples.</p>
President's Report	<p>Thanks to Pete and Karen Myers for the first electronic membership drive.</p>	
	<p>The South Texas Chapter wrote a support letter for Educational Grants for the Texas State Technical College. The feedback was that this was very supportive and will help maintain grants.</p>	
	<p>We will continue to work toward and implement electronic dues payment in 2010.</p>	
	<p>Stan Bravenec appointed William Pate as STC-HPS Webmaster and he will be responsible for setting up electronic fund payment at the National Chapter. The requests are to work on meeting registration, renewal of membership, and voting totally electronically through the Web site.</p>	
	<p>Stan Bravenec also appointed Amanda Sullivan as the Nominations Chair.</p>	
President-Elect's Report	<p>The Regulatory Conference 2010 Committee work continued since the last STC-HPS meeting and advanced notice emails were sent out with a link to the Department of State Health Services (DSHS) Web site. The survey is still open on the DSHS Web site for comments. The results of the survey were compiled by David Fogle and distributed to the Committee members. Pete Myers submitted a summary of the last regulatory conference's evaluations and those were distributed at the meeting. The Committee will use these</p>	

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Agenda Item	Discussion	Action
President-Elect's Report <i>continued</i>	sources of feedback in the conference planning. With the holiday season, the Committee has not met as a group, but meetings should resume in the near future.	
	<p>Positive comments were made about the Po-210 speaker at the last conference and about trying to come up with an interesting speaker. If you have any ideas, please send an email to Pete Myers or Karen Blanchard.</p> <p>Possible speakers/topics suggested at the Executive Council Meeting:</p> <ol style="list-style-type: none"> 1. NRC talk on new power plants (Dale Klein) 2. Rick Jacobi (Chair of TRAB) 3. Statistical analysis of events (Bob Emery) 4. Iodine in breast to find lesions (John White) <p>The speakers should cover the banquet. The rest of the conference is up to DSHS. However, the request was that the topic be of interest to spouses, as they do attend the banquet.</p>	
Treasurer's Report	No report at this time, but will send out the report by email for approval by the Executive Council. The Treasurer-Elect Pete Myers will be requesting budget items for next year.	<i>Action Item:</i> Pete Myers will send out an email requesting budget items for 2010 from Committee Chairs and EC.
Secretary's Report	<p>The HPS Chapter Report needs to be submitted to Ed Bailey by January 10, 2010. A discussion arose regarding ways the National HPS might help the Chapter. The following suggestions were made:</p> <ol style="list-style-type: none"> 1. Provide Web support/training for paying dues online and for online registration for meetings 2. Online setup has been slow. Ed Mayer suggested that the National HPS is working on WebEx training for officer duties and help. 	<i>Action Item:</i> Jennifer Watson needs to submit the STC-HPS Chapter Report to Ed Bailey by January 10, 2010.
	The MidYear Meeting check for \$2,000 was sent to David Fogle in December for depositing.	
	<p>Email discussions since the last EC meeting:</p> <ol style="list-style-type: none"> 1. Pete Myers' discussion of the 2010 Membership Drive to email out letters on January 1st instead of December 1st and only mail out those where the emails do not work: The EC was in agreement of this decision. 2. STC Support Letter discussion for TSTC regarding a NRC application for continued support of scholarships: The EC was in agreement of Stan Bravenec signing the letter. 	
	Ballots will be electronic and possibly online in early March, with the help of the National HPS, to allow 30 days prior to the April 9th meeting.	<i>Action Item:</i> Ballots will be emailed out for voting by early March.
Membership Report	<p>Current STC membership is at 257 members, up 25 from last year. The goal to strive for is the 2006 total of 280 members. Voted on new members.</p> <p>Motion to accept members: Karen Blanchard Second: Jay Poston</p>	

Agenda Item	Discussion	Action
<p>WELCOME NEW STC MEMBERS!</p>	<p>New Members: Darla Goodman – Texas Tech Univ. Health Science Cntr. Jack Kraus – WCS Christopher Dunn – TSTC Steven McCauley – TSTC David Rueda – TSTC Christopher Garrett – TSTC John Haygood – Consultant Melina Kinsey – SW Foundation for Biomedical Research Kriztina Nemeti – UTHSC-Houston David Smith – UTMB Charles Stence Sr. – DOD HP (Ret.)</p>	<p><i>Committee Vote:</i> Approval of new STC members. Congratulations!</p>
	<p>On January 1, 2010, emails were sent out inviting the following to become 2010 STC members:</p> <ol style="list-style-type: none"> 1. Two hundred sixty-seven 2008 and 2009 individual STC members 2. Five 2008 and twenty 2009 Affiliate STC members 3. One hundred fourteen HPS members who were not STC members 	
	<p>On January 4, 2010, emails were sent out to one-hundred thirty four members of the Gulf Coast Chapter of the American Society of Safety Engineers inviting them to become STC members.</p>	
	<p>Saved \$300 by sending out emails instead of mailing out notices.</p>	
	<p>A discussion arose regarding sending emails to the Fort Worth/Dallas individuals asking them to become members of the STC-HPS. John White requested that we wait until the next EC meeting in April 2010 to allow for discussions with Oklahoma about forming a joint Chapter with the North Texas Chapter.</p>	<p><i>Action Item:</i> John White needs to discuss a joint Chapter or possibility of ending the North Texas Chapter.</p>
<p>Program Committee</p>	<p>The Affiliate’s Fair in September 2009 was a huge success and we had amazing representation from the STC affiliates. A special thanks goes out to them — great booths, better-than-ever presentations, and cool door prizes! The members present were heard making comments like, “This was the best affiliates’ fair we’ve had!” Thanks to everyone who was there and who made it possible.</p>	
	<p>The Proton Therapy and HPS President-Elect presentation meeting has 45 people pre-registered and more possible onsite registrations. We would like to express our appreciation to the presenters and staff from MD Anderson Proton Therapy Center for their participation and for hosting the tour of the facility. Thanks to Jay Poston for his work in getting the program together for us and to Stan Bravenec for his work in the hotel arrangements. We graciously welcome HPS President-Elect Ed Maher to our chapter meeting and look forward to his presentation and participation.</p>	
	<p>Contact will be made with our members at TAMU to try to secure a room on campus for student paper presentations and for our annual business meeting. We will also make arrangements to reserve a block of hotel rooms. We will send out “save the date” emails to our membership once we get the location and hotel determined. Information regarding monetary awards for student</p>	

★ ★ ★ **WELCOME NEW STC MEMBERS, listed above.** ★ ★ ★

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Agenda Item	Discussion	Action
Program Committee <i>continued</i>	presentations and requests for promotion of participation will be sent to our members and other key personnel at participating institutions. Our goal is to see a record number of students participating this year, possibly at the Zachary Building. The meeting is April 9–10, 2010.	
	The Regulatory Conference is scheduled for September 1–4, 2010, and we will be supporting the DSHS regulatory conference in many ways. As our specific needs are determined during the conference planning, we may be calling for volunteers from our membership and student Chapters.	
Legislative Committee Report	No report at this time.	
Affiliate Committee Report	No report at this time.	
Publications Committee Report	Pete and Karen Myers are trying to encourage submission of articles for <i>The Billet</i> . Please keep the submission technically current and interesting.	
Nominations Committee Report	Nominations will be taken for President-Elect, Secretary, and Board Member. Amanda Sullivan will send out an email regarding nominations later this month.	<i>Action Item:</i> Amanda Sullivan will request nominations for the Chapter officers.
<i>The Billet</i>	The meeting dates have been finalized and the Texas Regulatory Conference will be September 1–3, 2010. Future Meeting Dates: January 2011 on LLRW Waste Site Status, April 2011 Student Presentation & Annual Business Meeting in Waco, Texas.	
Science Teacher Workshop	The CAST-9 Convention of Science Teachers Association of Texas was held November 5–7, 2009, in Galveston and over 500 brochures were distributed to interested people. Thirty people signed up for future contact and nine students took the workshop conducted by Al Evans, Ken Krieger, John Poston Sr., and Sam Daniel. Jim and Sharon Sharp worked the exhibit booth and were assisted by Al Evans and Sam Daniel.	
	Al Evans emailed each of those who signed up for more information, thanking them for their interest and offering to give workshops at their institutions. A reply was received by Catherine Ryan from Alvin High School, Co-Chair of CAST-10 Convention in Houston, November 11–13, 2010. She suggested a 75-minute presentation on how to apply the material in the classroom instead of giving a whole-day presentation.	
	An email was received asking us to reserve the booth for CAST-10 as soon as possible. A commitment of \$700 or \$800 will need to be made.	
	A discussion arose regarding our commitment to the CAST program and if the funding has actually resulted in success. It was mentioned that we should not measure success the same way we do for conferences. We could possibly do a 2–3 hour abbreviated highlights with a full science teacher workshop to follow. Al Evan suggested that we review the lesson places and make a section to replace the waste disposal information.	

STCMinutes

Agenda Item	Discussion	Action
Science Teacher Workshop <i>continued</i>	Motion made to pay for the CAST-10 workshop and reimburse Al Evans for additional CAST-9 expenses. Motion: Karen Blanchard Second: John White	<i>Committee Vote:</i> Approved
	An abstract was submitted and accepted to give a joint APS-AAPT meeting in San Marcos in October. However, only two people signed up for the workshop, so it was cancelled. There is going to be a joint Spring Meeting of the Texas Chapters of APS and AAPT in Austin in March. Tom Okuma of Lee College is coordinator of this meeting. Tom suggested that we might have better luck at the spring meetings, since the fall meetings compete with CAST conventions for teacher attendance. This meeting will be in Austin on March 18–21, 2010.	
	Thanks to Carl Kee, the STC has enough instruments for the Science Teachers to meet the Chapter's immediate needs.	
	Alicia Courville, took the CAST-9 workshop preparatory for starting up a STW program in her area at McNeese State University in Lake Charles. She will possibly ask for our help.	
	Thanks to Ken Krieger and John Poston Sr., for updating our teaching materials (notebooks and CDs) before CAST-9.	
Student Assistance Committee	Ken Krieger announced that we need volunteers for the 2010 Science Fairs and an email should to be sent to the STC membership requesting volunteers. Sam Daniel volunteered to assist with the ExxonMobil Texas Science & Engineering Fair.	<i>Action Item:</i> An email request for volunteers for the 2010 Science Fairs needs to be sent.
	The dates are as follows: Central Texas Science & Engineering Fair (Waco) February 23–24, 2010 (Linda Morris) Austin Energy Regional Science Festival February 24–27, 2010 (Need volunteers) Science & Engineering Fair of Houston March 11–13, 2010 (Stan Bravenec and Jay Poston) Alamo Regional Science & Engineering Fair March 12–14, 2010 (Need volunteers) ExxonMobil Texas Science & Engineering Fair April 9–12, 2010 (Need volunteers)	
Adjournment	7:52 p.m. Motion: Karen Blanchard Second: John White	

As a courtesy to our membership, the STC-HPS offers a list of the Health Physics-related positions available in South Texas on our Web site.

> www.stc-hps.org/hpjob.htm



NEXT

Nationwide Evaluation of X-Ray Trends

(reprinted with permission from <http://www.crcpd.org/NEXT.aspx>)

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The Nationwide Evaluation of X-ray Trends (NEXT)

program is a partnership between the Conference of Radiation Control Program Directors, Inc. (CRCPD) and the Food and Drug Administration (FDA) Center for Devices and Radiological Health (CDRH), with financial support from the American College of Radiology (ACR) since 1998, to characterize the radiation doses patients receive during diagnostic x-ray examinations.

The NEXT survey program selects a particular radiological examination for study and captures radiation exposure data from a nationally representative sample of U.S. clinical facilities. Volunteer state radiation control personnel conduct the surveys using reference phantoms most of which are clinically validated to represent the radiation attenuation presented by an average-size patient. Surveys are repeated periodically to track trends as technology and clinical practices change.

The NEXT trifold brochures contain a summary of significant technical findings of a particular survey, and are intended

to provide a brief snapshot of the state-of-practice to both the radiation protection specialist and to the practicing radiological community. Clinical facilities can compare findings at their site for patient exposure and clinical quality indicators with statistical findings representing the U.S. practicing community. The companion brochure 'Thirty Years of NEXT' briefly summarizes selected technical parameters of most of the past surveys.

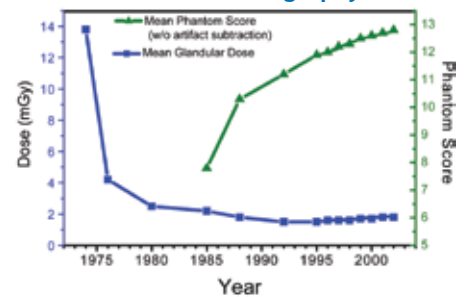
NEXT protocols provide procedures for capturing technical data associated with the practice of the surveyed diagnostic x-ray procedure, including patient skin-entrance air kerma, image quality, clinical technique factors, quality of film processing, and general QA/QC procedures. NEXT protocols must be used in conjunction with the associated NEXT phantom in order to compare acquired exposure data with existing NEXT survey results.

Some selected data/trends from the CRCPD 'Thirty Years of NEXT' trifold are provided here:

1999/1993 – Dental Interoral Exam

	1999	1993
Entrance Air Kerma (mGy)	1.6	1.9
Clinical kVp	71	72
Percent Manual Film Processing	10.0	29.0
Phantom Film Optical Density	1.49	1.48
Percent Using D-speed Film	85	90

2005 – Mammography



2002/1995 – Abdomen and Lumbosacral Spine

	2002 Abdomen	1995 Abdomen	2002 LS Spine	1995 LS Spine
Entrance Air Kerma (mGy)	2.7	2.8	3.4	3.2
Clinical kVp	75	76	78	78
Exposure Time (ms)	121	145	217	247
Percent Using Grids	95	97	96	96
Weekly Workload	42	70	24	51

2003/1996 – Fluoroscopy (Upper GI & Special Topics)

	2003 Upper GI	1996 Upper GI	1996 C-Arm Units	1996 Cardiac Cath Labs
Entrance Air Kerma (mGy/min)	41	45	22	38
Fluoroscopic kVp	95	99	78	82
Fluoroscopic Tube Current (mA)	2.2	2.3	3.0	5.1
Air Kerma Rate w/Contrast (mGy/min)	68	67	41	71
Maximum Air Kerma Rate (mGy/min)	71	70	44	74

First Quarter 2010 Program Reports to the Texas Radiation Advisory Board

February 6, 2010

Department of State Health Services (DSHS)

General Program Information

Beginning January 20, 2010, the Department implemented a hiring freeze. This includes all current vacancies in the radiation control program as well as new vacancies created by the Exceptional Item and the Laser Hair Removal Bill.

The U.S. Nuclear Regulatory Commission will be conducting its periodic audit of the radioactive materials program during the week of February 22. The audit, formally called the Integrated Materials Performance Evaluation Program (IMPEP), reviews five common performance indicators (technical staffing and training; status of materials inspection program; technical quality of inspections; technical quality of licensing actions; and technical quality of incident and allegation activities) as well as two non-common performance indicators (compatibility requirements and sealed source and device evaluation program).

Radiation Safety Licensing Branch

Radioactive Material Licensing Group

- Licensing Group is preparing to implement a new policy to be used for authorizing industrial radiographer trainers. The new process will make for more efficient use of internal resources and has been received positively by licensees.
- Licensing Group is planning for future changes to the way certain Generally Licensed Devices are licensed. The exact impact is not known at this time but, we are confident that this change will bring an increase in licensing workload.
- National Source Tracking System has been in use since January 31, 2009. The group is in the process of completing the first source database reconciliation.
- Licensing Group continues to prepare for the February 2010 IMPEP program review.
- Licensing Group currently has a Medical and Academic Licensing Program license reviewer position vacant.

Radiation Machine Source Group

- The Radiation Machine Source Group staff continues to prepare for the implementation of the Laser Hair Removal (LHR) Registration Program. Currently, the department is in the rulemaking process and anticipates the adoption of these rules by June 2010.
- Environmental specialist III position for the LHR program is still in the auditing process. This position is one of five reviewer positions allocated the LHR program. The administrative assistant for the LHR position has been filled. This position will assist with developing policy and procedures, documents, letters, and will perform various other functions for the program.

Radiation Policy, Standards, and Quality Assurance Group (PSQA)

- PSQA has filled the new health physicist I position that will have responsibilities associated with the new LHR program.
- PSQA staff members continue to be heavily involved in the department's efforts to implement HB449 concerning laser hair removal. It is anticipated that the proposed rule will be published for a 30-day comment period on February 26, 2010.
- PSQA staff members have directing efforts towards the compilations of data and materials for the IMPEP review to be conducted February 22–26, 2010. Chris Myers compiled the information from all radiation control program units and prepared the report.
- PSQA staff members are currently drafting rules to implement new fluoro and CT initiatives in current rule and to develop new rules for electronic brachytherapy.

Radiation Inspection Branch

Radioactive Materials (RAM) Inspections Group

- An inspector has been hired for Region 5, Beaumont. She is currently in training and is expected to become an independent inspector by early summer. She will be completing U.S. Nuclear Regulatory Commission (NRC) sponsored training as well as on-the-job training. On-the-job training consists mainly of accompanying and observing senior inspectors and then being observed by senior inspectors as she performs radioactive materials inspections.
- The RAM inspector responsible for statewide inspection support gained authorization as an independent inspector January 1. This authorization leaves the program with only one position in training, the Beaumont inspector noted previously. Currently there are no vacant RAM inspector positions.
- NRC inspection frequencies are being met for licensee inspections. Data is being gathered to assist the NRC in the review of the Texas program which is scheduled for the end of February. Inspection data indicates that the inspection program is meeting the review criteria at this time.

X-ray Inspections Group

- **Staffing and Training:** The X-Ray Inspections Group is now fully staffed after filling a vacancy for an x-ray inspector in Austin on February 1, 2010. Presently, we have one inspector working out of the Houston office who is still in training.

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SOUTH TEXAS CHAPTER *of the* HEALTH PHYSICS SOCIETY, INC.

Spring Meeting & Student Paper Presentations

Saturday, April 10, 2010
College Station, Texas


*CEUs
Awarded
for LMPs
& MRTs**

*Number of CEUs awarded will be determined at a later date, dependent upon actual hours of presentations

One of the basic missions of the Health Physics Society (HPS) is to help the next generation gain an interest in Health Physics. To

accomplish this, the South

from 8:00 a.m.–5:00 p.m. During this Spring Meeting of the STC-HPS, students from colleges in San Antonio, Austin, Houston, College Station, Waco, and the surrounding areas will present their projects and practice their presentation skills in a professional and positive feedback environment. Students will compete for monetary awards for the best paper. The awards are \$250 and \$100 for the top two presentations in each of the undergraduate, graduate, and associate degree categories.

The meeting and luncheon will take place at the Zachry Engineering Building on the Texas A&M campus. A block of rooms has been reserved for Friday night at the Hawthorn® Suites by Wyndham, 1010 University Drive East, College Station, Texas 77840. For your hotel reservations, call **800-527-1133**. The rate for all rooms is \$93 plus tax, with a reservation deadline of March 19, 2010. The block of rooms is being held under the Chapter's name and the code is: **STXH.** 

...students will present their projects and practice their presentation skills in a professional and positive feedback environment.

Hotel registration deadline is **March 19, 2010**

STC Meeting pre-registration deadline is March 29, 2010

Texas Chapter (STC) will host the Spring Student Paper Presentation meeting in College Station, Texas, Saturday, April 10, 2010,

Go to www.stc-hps.org/billet.htm to view this newsletter **IN COLOR!**

To be among the first to know when *The Billet STC Newsletter* is online, log on to the Membership Directory in the Members Only section of the STC-HPS Web site. Not only will you be among the first, you'll also save the cost of printing and postage.

Executive Council Meeting & Spring Meeting & Student Paper Presentations

Agenda

April 9–10, 2010

Friday, April 9, 2010

5:30–7:30 p.m.	Executive Council Meeting: TAMU Environmental Health and Safety (EHS) Building, Room 244, 111 Research Pkwy (on campus)
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Saturday, April 10, 2010

8:00–8:30 a.m.	Registration: Zachry Engineering Center (on campus), Room 102
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8:30 a.m.	Welcome: Karen Blanchard, STC President-Elect
-----------	--

8:30–9:00 a.m.	STC Briefing & Business Meeting: Stan Bravenec, STC President
----------------	--

9:00–10:00 a.m.	Student Presentations
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10:00–10:15 a.m.	Break: Refreshments and Professional Networking
------------------	--

10:15–12:00 p.m.	Student Presentations
------------------	------------------------------

12:00–1:15 p.m.	Lunch: Foyer area of Zachry Engineering Center, BBQ and all the trimmings
-----------------	--

1:15–3:00 p.m.	Student Presentations
----------------	------------------------------

3:00–3:15 p.m.	Break: Refreshments and Professional Networking
----------------	--

3:15–5:00 p.m.	Student Presentations
----------------	------------------------------

5:00 p.m.	Adjourn
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Note: Program length will be determined by number of student presentations.

Applications for Student Assistance Education Grants for 2010–2011
must be sent to Linda Morris by May 24, 2010.

The forms can be found on pages 18 and 19, and at www.stc-hps.org/student.htm

Spring Meeting & Student Paper Presentations Registration

April 10, 2010

Hawthorn® Suites by Wyndham • 1010 University Drive East
College Station, TX 77840 • Phone: 800-527-1133

Hotel registration deadline is **March 19, 2010**

STC Meeting pre-registration deadline is March 29, 2010

Registration form (Please complete a registration form for each member or guest attending the meeting.)

Name _____ Email address _____

Address _____ City _____

State _____ Zip _____ Company name _____

- STC member pre-registration fee (technical sessions and lunch) = \$40
- STC member pre-registration fee (technical sessions ONLY) = \$25
- NON-STC member pre-registration fee (technical sessions and lunch) = \$50*
- NON-STC member pre-registration fee (technical sessions ONLY) = \$35*
- NON-STC member (e.g., spouse/guest) pre-registration fee (lunch ONLY) = \$20*
** Non-STC members are welcome to apply for STC-HPS membership at the meeting and enjoying privileges of membership at future Chapter events.*
- Student presenters = FREE**
- Student not presenting (technical sessions and lunch) = \$10
- Registration** by mail after **March 29, 2010**** or onsite, pending space and/or lunch availability = please add \$10 to the applicable fee above.
*** Meeting space is limited. If contemplating attendance and the purchase of on-site meals, space and meal availability cannot be guaranteed on the day of the meeting.*
- Need a receipt for this meeting
- Need CEU certificate

How to pre-register before March 29, 2010

Please complete the **registration form** and mail the form along with check or money order (payable to STC-HPS) to arrive before March 29, 2010, to: STC-HPS Treasurer • David Fogle • PO Box 201723 • Austin, TX 78720-1723

To pay by major credit card (VISA®/MasterCard®/American Express®/Discover®), transmit your credit card number, expiration date, and payment authorization to the STC-HPS treasurer to arrive before March 29, 2010, using one of the following methods:

- Email it to David.Fogle@dshs.state.tx.us
- Telephone it to David Fogle at 512-834-6688 x2203
- Include it on the meeting registration form (below)

Number _____ Expiration date _____ Signature _____

How to register after March 29, 2010

You may register after March 29, 2010 and up to the morning of the event, space permitting. Please complete the **registration form** and bring the form, with payment, to the meeting.

Refund policy

Pre-registration closes March 29, 2010. If you pre-register but cannot attend, please call 512-834-6688 x2203 and cancel your reservation **PRIOR TO MARCH 29, 2010** to receive a full refund. Any reservation not cancelled by March 29, 2010 will be regarded as a confirmed reservation and no refund will be given. **Registration fees collected after March 29, 2010 or at the door, space permitting, will be \$10 extra.**

Executive Council Meeting & Spring Meeting & Student Paper Presentations

Directions & Accommodations

Hawthorn® Suites by Wyndham • 1010 University Drive East
College Station, TX 77840 • Phone: 800-527-1133

The block of rooms is being held under the Chapter's name and the code is: STXH

The Hawthorn Suites by Wyndham is located at 1010 University Drive East, College Station, Texas 77840. The hotel includes a complimentary *hot breakfast of eggs, sausage, potatoes, and biscuits*. The rooms also have separated living room and bedroom areas to give guests a little privacy. There is an onsite workout facility, as well as a beautiful outdoor pool. There is a new e-room where guests can use complimentary computers. Other features include:

- Sleeper sofa bed in each room
- Adjoining rooms available
- Microwave and mini-fridge available
- Complimentary wireless Internet available

The facility is located one mile from Texas A&M University, and is centrally located and within walking distance of several restaurants. For reservations call: **800-527-1133**. The rate for all rooms is \$93 plus tax, with a reservation deadline of March 19, 2010. The block of rooms is being held under the Chapter's name and the code is: **STXH**.



From North

Traveling south on TX Highway 6, exit University Drive/FM 60 East. Turn right onto University Drive. The hotel is directly behind McAlisters Deli on the left-hand side of the road.

From South

Traveling north on TX Highway 6, exit University Drive/FM 60 East. Turn left onto University Drive. The hotel is directly behind McAlisters Deli on the left-hand side of the road.

From East

Traveling west on Highway 30, turn right onto TX Highway 6 North, exit University Drive/FM 60 East. Turn right onto University Drive. The hotel is directly behind McAlisters Deli on the left-hand side of the road.

From West

Traveling east on Highway 21, turn right onto FM 2818, Harvey Mitchell Parkway, exit left onto University Drive/FM 60 East. Travel 3 miles east to McAlisters Deli. The hotel is directly behind McAlisters.

From Airport

From Airport, take a right onto Raymond Stotzer Parkway/FM 60, which becomes University Drive. Travel 3.5 miles east to McAlisters Deli. The hotel is directly behind McAlisters.

Directions to Texas A&M College Station, the TAMU Environmental Health and Safety (HHS) Building, and the Zachry Engineering Center may be obtained by going to the following Texas A&M University Web sites:

- Maps/Directions to Texas A&M University: tamu.edu/home/aboutam/directions/
- Campus Maps Center: maps.tamu.edu/
- Campus Maps: campusmaps.tamu.edu/?mi=113&mi=185&zoom=15&view=hybrid
- Visitor Map to the Zachry Engineering Center: essap.tamu.edu/zach/docs/visitor-map-zach.pdf

Spring Meeting & Student Paper Presentations

Student Presentations Awards Increased This Year

One of the basic missions of the Health Physics Society

is to help the next generation gain an interest in Health Physics. The objectives of the South Texas Chapter are:


- Developing scientific knowledge in the study of radiation
- Devising practical means to protect people and their environment from harmful effects of radiation

- Providing and supporting meetings to discuss scientific endeavors
- Encouraging scientific research and education dedicated to the science of radiation protection
- Aiding in research/education opportunities in Health Physics and radiation protection for college and university students

As one of the many efforts to accomplish these

objectives, the South Texas Chapter annually devotes its spring meeting to student paper presentations. Students from colleges in San Antonio, Austin, Houston, College Station, Waco, and the surrounding areas may present their projects and practice their presentation skills in a professional and positive feedback environment. Students compete for monetary awards for the best paper. The STC-

HPS Executive Council has announced that the awards to be given this year have been increased to \$250 and \$100 for the top two presentations in each of the undergraduate, graduate, and associate degree categories.


Besides competing for awards, all students presenting papers at this meeting will have their registration fees waived and their lunch will be provided, compliments of the Chapter. 



Student Presenter Registration Information

Students presenting papers at the Spring Meeting are requested to register by submitting the following information via email to klmblanchard@earthlink.net:

- Your name
- Name of school attending
- Title of presentation
- Length of presentation

Each student must register individually. Send registration email as early as possible. Registration deadline is March 29, 2010. 

TRAB *continued from page 11*

- **Laser Hair Removal:** Since passage of House Bill 449 and the drafting of laser rules, the Group is taking steps to implement a routine program for the inspection of laser hair removal facilities. We have hired our first inspector for the program and will begin training the inspector during February. The Group manager and trainer recently attended formal training on lasers.
- **Equipment:** New radiation detection equipment for the x-ray and mammography inspectors is on order. The new Unfors Xi units will replace the existing MDH 1015's and the RadCal 9010s, some of which have been in use by the Department since 1983. Funding for this equipment was appropriated by the Legislature in the Department's Regulatory Services exceptional item.

- **Computed Tomography (CT) Mailout:** The X-Ray Group coordinated a mass mailout to all of our CT registrants, licensed medical physicists, and interested parties. Working with our Registration, Remote Inspections, and PSQA groups, an informational memo advising of the significant health concern associated with CT brain perfusion studies was prepared and sent out during December. Included with the memo was a position statement issued by the Conference of Radiation Control Program Directors, Inc., (CRCPD) emphasizing the use of safe and effective CT protocols. The information was placed on our Web site at <http://www.dshs.state.tx.us/radiation/ct.shtm>

continued on page 17

The mailout was to ensure that all CT facilities in the state of Texas are aware of the issue and are taking steps to ensure their patients are receiving quality exams at the lowest possible radiation exposure. The U.S. Food and Drug Administration (FDA) is conducting an ongoing investigation into cases of excess radiation during CT brain perfusion scans. The current investigation has revealed over 250 cases at two separate facilities, involving two different manufactures of CT equipment in the state of California. The FDA has also received reports of possible excess radiation from CT scans conducted in other states. At this time, none have been reported in Texas.

Environmental Monitoring Group

• **Incident Investigation:**

-- On September 25, 2009, the Agency received a phone call from an individual who stated that she was being exposed to radiation and excessive heat directed at her house by two individuals in her neighborhood. She stated that two girls were responsible for directing radiation at her which would cause her appearance to disappear. She stated that the wiring in her home's attic has been altered and is now unsafe, as reported to her by an electrician. She stated that the electrician told her that her house was wired to burn. She said that the girls had opened her attic from the outside and installed two devices that they could remotely turn on and off a radiation field whenever they wanted.

She also stated that a nuclear blast had occurred a few blocks from her home at 4:00 a.m. a few weeks ago which dissolved her jaw, face, and neck. She stated that her jaw was reduced to less than 1 inch. She also stated that she lost four inches in height shortly (within minutes) after being exposed to radiation directed at her. She also stated that the military had a secret base in her area and was pointing a laser at her home and exposing her to the radiation.

On October 2, 2009, the individual was provided a thermoluminescent dosimeter for a period of 48 days. The dosimeter reading after the 48 days was 8.4 millirem. The individual was informed that the level of exposure recorded on the badge did not pose any radiological risk to her. She asked if she could be provided with a radon test kit. The kit was ordered and delivered to her house. The case has been closed.

TRAB's

*First Quarter 2010 Program Reports
to the Texas Radiation Advisory Board
full article from February 6, 2010
can be found at:*

www.stc-hps.org

The
SOUTH TEXAS CHAPTER
of the
HEALTH PHYSICS SOCIETY, INC.
welcomes our
NEW MEMBERS



Darla Goodman
*Texas Tech University
Health Science Center*

Jack Kraus
WCS

Christopher Dunn
TSTC

Steven McCauley
TSTC

David Rueda
TSTC

Christopher (CJ) Garrett
TSTC

John Haygood
Consultant

Melina Kinsey
*Southwest Foundation for
Biomedical Research*

Kriztina Nemeti
UTHSC-Houston

David Smith
UTMB

Charles Stence Sr.
DOD HP (Ret.)



We wish them well in all their endeavors and especially hope that their association with the South Texas Chapter will be long and mutually rewarding!

SOUTH TEXAS CHAPTER *of the* HEALTH PHYSICS SOCIETY, INC.

Student Education Grant Application

Associate/*/Graduate Degree

Academic Year: 2010–2011

Form available online at www.stc-hps.org

The South Texas Chapter of the Health Physics Society (STC-HPS) announces the availability of its Education Grants. The applicant must plan to begin or be currently performing full-time work toward an associate or graduate degree in Health Physics or a related field offered by a *bona fide* program at a Texas institution of higher education. All applicants must have finished one session by September 2009. **Applicant must be a student member in good standing of the STC-HPS.** Deadline for the receipt of applications and all supporting materials is **May 24, 2010.** Award winners will be announced at the subsequent Chapter meeting. The STC-HPS Education Grant is \$750, and two awards will be made; one at each degree level.

This application and all other supporting materials should be mailed to: Student Assistance Committee, STC-HPS • Linda Morris, Chair • TSTC Waco, Health Physics/EHS • 3801 Campus Drive • Waco, TX 76705

Degree Program: Associate Graduate

Please Print

Name _____

Address _____

Phone _____

Email _____

Optional

Undergraduate Institution _____

GPA _____

Submit copies of all current transcripts including the Fall 2009 semester.

SAT, ACT, GRE (circle one) Scores

Enclose a copy of your SAT, ACT, or GRE scores.

Math: _____ Verbal: _____

Composite (ACT): _____ GRE: _____

Statement of Financial Information

On the **STC-HPS Student Education Grant Application: Financial Information** form (page 2), provide a detailed account of all sources of income and expenses for the period of support September 2009–August 2010. Insufficient data may result in delays in processing your application.

Statement of Personal Goals

Provide a separate one-page statement about your personal career goals including a statement about your intent to enter the field of Health Physics.

Letters of Recommendation

Names of two persons whom you will ask to write letters attesting to your potential for study in Health Physics.

1. _____ 2. _____

*NOTE: Bachelor students enrolled in the Radiological Health Engineering Program in the Nuclear Engineering (NE) Department of TAMU can apply for the NEFF-POSTON Scholarship by contacting Dr. Karen Vierow of the NE Department or Linda Morris at Linda.Morris@tstc.edu. This scholarship is sponsored by the South Texas Chapter of the Health Physics Society.

SOUTH TEXAS CHAPTER *of the* HEALTH PHYSICS SOCIETY, INC.

Student Education Grant Application

Financial Information – September 2009–August 2010

Form available online at www.stc-hps.org

Please print

Name _____

Where do you live? On-campus housing Off-campus housing

With whom do you live? Alone Spouse Children. Number _____ Parents/relatives Unrelated roommates

Degree Program: Associate Graduate

Tuition Residency: In-state Out-of-state

Income	\$/month	Expenses	\$/month
Spouse working		Housing & utilities	
Summer job/school job		Automobile (payments, gas, insurance, etc.)	
From parents/relatives/guardians		Food	
Child support		Child support payments	
Savings/investments		Other (list):	
Scholarships/grants (list):			
Social Security benefits			
VA benefits (educational and/or disability)		Expenses Total	
TRC or JTPA		Additional comments/extenuating circumstances [attach additional page(s) if needed]:	
Other (list):			
Income Total			
Loans (list):			
Loans Total			

SOUTH TEXAS CHAPTER of the HEALTH PHYSICS SOCIETY, INC.

Member Renewal/Application

Form available online at www.stc-hps.org

Please print – Information is used for mailing labels and directory listing.

Name (First Middle or Initial-Optional Last) Title (PhD, MS, CHP, NRRPT, etc.)

RENEWALS: Check and update your CONTACT information in the STC online directory at www.hpschapters.org/stc/login.php3. Then submit this form with just your name, payment, and other choices below and sign here: New members, please complete the entire form.

Business name Business dept. Provide business name and check if address given is Bus. or Home

Street Apt./PO Box#

City State Zip code Omit address from Directory

Phone Type of phone Bus. Home Mobile Omit from Directory

Fax Type of fax Bus. Home Omit from Directory

Email Omit from Directory

Alternate Email Not for Directory, only to be used by STC if primary email fails

- Yes, I am a National HPS member.
Yes, I am a certified health physicist.
Yes, I am a registered radiation protection technologist.
Other
I only want The Billet STC Newsletter electronically THIS INFORMATION CAN BE UPDATED ONLINE

Please check the STC-HPS committee(s) on which you would like to actively serve.

- Nominating Meeting Program Admissions (Membership) Publications
Legislation Public Relations Affiliate Other/Ad Hoc
Student Assistance Science Teacher Workshop

Enclosed is my check # made payable to the STC-HPS for the following:

STC-HPS dues for the year:

Table with 3 columns: Membership type, Rate, Total. Rows include Regular membership, Student membership, Student Scholarship Fund Donation, Science Teachers Workshop Donation, and Total Enclosed.

Please complete and mail this form with your check or money order (payable to STC-HPS) to:

STC-HPS Treasurer • David Fogle • PO Box 201723 • Austin, TX 78720-1723

To pay by major credit card (VISA®/MasterCard®/American Express®/Discover®), transmit your credit card number, expiration date, and payment authorization to the STC-HPS treasurer, using one of the following methods:

- Email it to David.Fogle@dshs.state.tx.us
Telephone it to David Fogle at 512-834-6688 x2203
Include it on the Member Renewal/Application form (below)

Number Expiration date Signature

SOUTH TEXAS CHAPTER *of the* HEALTH PHYSICS SOCIETY, INC.

Affiliate Renewal/Application

Form available online at www.stc-hps.org

Affiliate contact person (*one free individual membership*)

Please print – Information is used for mailing labels and directory listing, and will appear in the STC Newsletter and on the chapter Web site at www.stc-hps.org

Company name _____

Contact person's name _____

Company mailing address _____

Street address _____

City _____ State _____ Zip code _____

Work phone _____ Fax _____

Email _____

Company Web site _____

Alternate contact person (*optional*)

Company name _____

Alternate contact person's name _____

Company mailing address _____

Street address _____

City _____ State _____ Zip code _____

Work phone _____ Fax _____

Email _____

Membership & dues information

Chapter President Stan Bravenec extends a personal invitation to you to become (or remain) a chapter Affiliate and participate in the Annual Affiliates Fair as well as all activities of the chapter throughout the year.

Affiliate membership includes an advertisement in the STC-HPS Membership Directory, exhibit space at the Affiliates Fair, one individual chapter membership, a company Web site link from the STC-HPS Web site, and a listing on the Affiliate Membership Roster printed in all issues of *The Billet STC Newsletter* (an STC-HPS quarterly newsletter).

Affiliate Annual Membership Dues \$150.00

Please complete and mail this form with your check or money order (payable to STC-HPS) to:

STC-HPS Treasurer • David Fogle • PO Box 201723 • Austin, TX 78720-1723

To pay by major credit card (VISA®/MasterCard®/American Express®/Discover®), transmit your credit card number, expiration date, and payment authorization to the STC-HPS treasurer, using one of the following methods:

- Email it to David.Fogle@dshs.state.tx.us
- Telephone it to David Fogle at 512-834-6688 x2203
- Include it on the Affiliate Renewal/Application form (below)

Number _____ Expiration date _____ Signature _____

Contact information for Affiliate-related questions, comments, or address corrections

STC-HPS Affiliates Committee Chair • Andrew Pitts • Alpha Neutronics, Inc. • 11534 Trickey Road • Houston, TX 77067-3406 • E: admin@alphaneutronics.com • T: 281-872-0075

SOUTH TEXAS CHAPTER *of the* HEALTH PHYSICS SOCIETY, INC.



The Affiliates of the South Texas Chapter (STC) are listed below. Our Affiliates help support our Chapter functions, and we should support them. They contribute substantially to the STC, and each should be thanked by our considering their products or services first. Also, tell them we sent you.

Affiliates: Please review your listing below and email any corrections to admin@alphaneutronics.com

ADCO Services
Len Warbiany

17650 Duvan Drive
Tinley Park, IL 60477
WEB: www.adcoservices.com
E: lenw@adcoservices.com
T: 708-429-1660
F: 708-429-9759

**Advanced Measurement
Technology, Inc. (Ortec)**
Barry Wilson

7820 Enchanted Hills Blvd
Suite A269
Rio Rancho, NM 87144
WEB: www.ortec-online.com
E: barry.wilson@ametek.com
T/F: 505-867-7665

Alpha Neutronics, Inc.
Andrew Pitts

11534 Trickey Road
Houston, TX 77067-3406
WEB: www.alphaneutronics.com
E: admin@alphaneutronics.com
T: 281-872-0075
F: 281-872-0075

Ameriphysics, LLC
Tom Hansen

11634 Turkey Creek Road
Knoxville, TN 37934
WEB: www.ameriphysics.com
E: tom@ameriphysics.com
T: 865-228-1997 (Tom)
T: 865-654-9200 (Office)
F: 865-531-0092

**Atomic Energy Industrial
Laboratories (AEIL)
of the Southwest, Inc.**
Steven H. Allen

9261 Kirby Drive
Houston, TX 77054-2514
WEB: www.aeil.com
E: shallen@aeil.com
T: 877-866-AEIL (toll-free)
T: 713-790-9719
F: 713-790-0542

Bionomics, Inc.
John McCormick

Post Office Box 817
Kingston, TN 37763
WEB: www.bionomics-inc.com
E: bionomicsjohn@comcast.net
T: 865-220-8501
F: 865-220-8532

Canberra Industries, Inc.
John Lejeune

4428 Stone Mountain Drive
Fort Worth, TX 76123
WEB: www.canberra.com
E: jlejeune@canberra.com
T: 817-423-9633
C: 817-584-0323

Chase Environmental Group
Scott J. Winters

19110 Canyon Vista Court
Tomball, TX 77377-7889
WEB: www.chaseenv.com
E: swinters@chaseenv.com
T: 877-389-2124
F: 866-850-5726

Dade Moeller & Associates
Jodi Jenkins

3445 Executive Center Drive Suite 100
Austin, TX 78731
WEB: www.moellerinc.com
E: jodi.jenkins@moellerinc.com
T: 512-653-9705
F: 512-340-0902

Earth Tech | AECOM
Carl Forbes

8005 Outer Circle Road
Brooks City-Base, TX 78235
WEB: www.aecom.com
E: carl.forbes@earthtech.com
T: 210-271-0925
F: 210-271-3061

F&J Specialty Products, Inc.
Frank Gavila

404 Cypress Road
Ocala, FL 34472
WEB: www.fjspecialty.com
E: fandj@fjspecialty.com
T: 352-680-1177
F: 352-680-1454

ISO-TEX Diagnostics, Inc.
Tom Maloney

Post Office Box 909
Friendswood, TX 77546
WEB: www.isotexdiagnostics.com
E: isotex@aol.com
T: 281-482-1231
F: 281-482-1070

Ludlum Measurements, Inc.
George Espinosa

Post Office Box 810
501 Oak Street
Sweetwater, TX 79556
WEB: www.ludlums.com
E: georgeespinosa1@yahoo.com
T: 505-920-6338
F: 325-235-4672

Microtec Services, Inc.
Quintin Stokley

110 Charles Street
Pasadena, TX 77506
WEB: www.microtecservices.com
E: qstokley@sbcglobal.net
T: 713-475-2274
F: 713-475-2362

Owens Scientific, Inc.
Betty Hail

23230 Sandsage Lane
Katy, TX 77494-4207
WEB: www.owensscientific.com
E: sales@OwensScientific.com
T: 281-394-2311
F: 281-394-2522
ANS: 713-784-8443

2010 Affiliate Roster

<p>Philotechnics, LTD Alvin Smith 201 Renovare Blvd Oak Ridge, TN 37830 WEB: www.philotechnics.com E: arsmith@philotechnics.com T: 412-527-3591 F: 865-220-0686</p>	<p>Quantum Technical Services, Inc. Chuck Winfield Post Office Box 7950 Pasadena, TX 77508 WEB: www.quantumtec.net E: C.winfield@quantumtec.net T: 877-461-7200 F: 281-461-7209</p>	<p>Radiation Technology, Inc. Doris Bryan Post Office Box 27637 Austin, TX 78755 WEB: www.radiationprograms.com E: doris@radiationprograms.com T: 512-346-7608 F: 512-795-8718</p>
<p>Southwest Research Institute John Hageman Honorary Affiliate 6220 Culebra Road San Antonio, TX 78238-5166 WEB: www.swri.org E: jhageman@swri.org T: 210-522-2633</p>	<p>Suntrac Services, Inc. Rob O'Donel 1818 East Main Street League City, TX 77573 WEB: www.suntrac.com E: rob@suntrac.com T: 281-338-2133 F: 281-338-2136</p>	<p>Texas Southern University Carlos Hardy Honorary Affiliate 3100 Cleburne Street Houston, TX 77004 WEB: http://physics.tsu.edu/Academics/BSRadiation.php E: hardyc@tsu.edu T: 713-313-1850 F: 713-313-7851</p> 
<p>Texas State Technical College Linda Morris Honorary Affiliate 3801 Campus Drive Waco, TX 76705 WEB: www.tstc.edu E: Linda.Morris@tstc.edu T: 254-867-2952</p>	<p>Thermo Fisher Scientific (Instrument Sales) Denny Cannon Post Office Box 621059 Littleton, CO 80128 WEB: www.thermo.com E: denny.cannon@thermofisher.com T: 303-948-5001 C: 303-907-0324 For service/repair/calibrations: depotservice.rmsi@thermofisher.com</p>	<p>Thermo Fisher Scientific (Training, Source Disposal, Leak Testing) (Industrial Gauge Installation/Repair) Michael Fontenot 1410 Gillingham Lane Sugar Land, TX 77478 WEB: www.thermo.com E: michael.fontenot@thermofisher.com T: 713-272-4568 F: 713-272-2273</p>
<p>Waste Control Specialists LLC Tim Greene 9998 Hwy 176 West Post Office Box 1129 Andrews, TX 79714 WEB: www.wcstexas.com E: TGreene@wcstexas.com T: 888-789-2783 or 575-394-4300</p>	<p>William B. Johnson & Associates, Inc. Charles (Dick) Landfried Post Office Box 472 200 A.E.I. Drive Lewisburg, WV 24901 WEB: www.johnsonnuclear.com T: 304-645-6568 F: 304-645-2182</p>	<p>CHANGING YOUR ADDRESS? CHANGING office? Home? Phone? NOTIFY Pete Myers at Pete.Myers6@sbcglobal.net</p>

Go to www.stc-hps.org for an article entitled *Building Support through Advocacy Groups: The Case of Advocates for Responsible Disposal in Texas (ARDT)*.

TSTC-EHS Students *continued from page 1*

laboratories, and meet some of the people who are involved in the field of radiation safety at the national level.

But it was not all work and no play. Students visited Old Town in Albu-

querque, ate New Mexico-style Mexican food, and rode a tram to the top of snowy Sandia Peak. On the way out of town, we stopped at the National Museum of Nuclear Science and History. This museum

was originally located at Kirkland Air Force Base and was called the National Atomic Energy Museum. It has only been open for 5 months at its new location, which has much more room. While there, the

group toured some of the history of radiation and weapon production, and saw replicas of "Fatman," "Little Boy," B-29, B-52, and many other historical artifacts and pieces of equipment.





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Check www.stc-hps.org for a color copy of *The Billet STC Newsletter*.

FUTURE *Meetings & Deadlines*

Date	Location	Topic	Newsletter Deadline
April 9–10, 2010	College Station, TX	Student Presentations & Annual Business Meeting	NA
June 27–July 1, 2010 Tuesday, June 29, 2010 7:00 a.m.	Salt Lake City, UT	National HPS 55 th Annual Meeting Annual STC Breakfast	NA
September 1–3, 2010	Austin, TX	Texas Radiation Regulatory Conference	June 24, 2010
January 2011	TBD	LLRW Waste Site (Tentative)	November 5, 2010
February 6–9, 2011	Charleston, SC	2011 Midyear	NA
April 2011	Waco, TX	Student Presentations & Annual Business Meeting	February 4, 2011
June 12–16, 2011	Palm Beach, FL	National HPS 56 th Annual Meeting	NA

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