

THE *BILLET* STC NEWSLETTER

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

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STC Alamo Regional Science Fair Senior Category Award Recipient Wesley Williams Wins National HPS \$500 Student-Science Award

Pete and Karen Myers

As previously reported in *The Billet* (Vol. 30, No. 2; April 30, 2009), Wesley Williams, a 2009 Senior at Health Careers High School, San Antonio, Texas, was presented a special South Texas Chapter (STC) award for a radiation-related project at the Alamo Regional Science Fair. His project was entitled, "Interaction of Androgen Ablation and Radiation in the Treatment of Prostate Cancer Cells."

After presenting the STC award to Wesley, the STC nominated Wesley's project for the Health Physics Society's (HPS) Student-Science Award. Much to our delight, we were notified that Wesley was one of two HPS Student-Science Award winners. Wesley and his parents have been invited to attend the next STC meeting, Saturday, September 19, in Galveston, so he can receive his award certificate and \$500 scholarship award. We hope he will bring a display of his project with him and perhaps give us a short presentation on his work. A slightly modified version of the abstract of his project follows:

"In the clinical setting, hormone and radiation therapies have often been used in combination to

treat prostate cancer. In both clinical and research settings, however, this dual modality treatment has produced conflicting results. Because prostate cancer is the most commonly found male malignancy, it is vital that the scientific community come to an understanding over the most effective combination of the two types of treatment. In this study, the effects of increasing the supply of testosterone to two cell lines of prostate cancer, LNCap and LNCap Pro V, prior to radiation was explored. The two strains were treated with 0, 10, and 20 ng testosterone and exposed to 4 gray (Gy) of gamma radiation after different time intervals. Forty-eight hours after the cells were plated, all cells were put through an MTT assay to determine the comparative cytotoxicity for different doses of testosterone and radiation. The data collected showed that on average, the cultures that had been treated with testosterone prior to radiation contained 20-60% less viable cells (e.g., metabolic cells). This result shows that the pre-radiation



testosterone treatment did have a strong effect on induced apoptosis (e.g., programmed cell death). The effect, however, was not significant enough to define a relationship between the variables; this study, therefore, failed to prove that treating these cell lines of prostate cancer with testosterone prior to treating them with radiation is the most effective sequencing for the dual-modality treatment."

Wesley will be attending the University of Texas in Austin in the fall of 2009, most likely taking a curriculum that will prepare him for a career in a related area of medicine.

New Board Members

Top left to right:
Doug Johnson,
Jennifer Watson,
Sam Daniel, Pete
Myers, David Fogle.
Bottom left to right:
Karen Blanchard,
Stan Bravenec,
Jay Poston.
Not pictured:
John White.



Renaming *The Billet*

In a possible attempt to rename *The Billet*, the newsletter of the STC, I want to invite more comments and suggestions. Please send them to me at jph@swri.org. Some of the suggestions that have already been submitted are:

From Jim Lewis of UTSA:

How about *The South Texas HP* or *The Southwest HP* or *South Texas HP News*, for a new title for *The Billet*. The name would still be a little bit mysterious to those who don't know what an "HP" is. Maybe, like the Health Physics Society, you could have a running subtitle, e.g., *The South Texas HP: Radiation Safety News in Texas and Beyond*.

From Greg Perry:

As far as renaming the *The Billet*, I suggest that it be renamed *The Bullet*. This would only require changing one letter. With the south Texas drawl/accent, the difference is slight and people will still understand what it refers to!

Please email me your suggestion. After the suggestions are collected, I will list all the suggestions, including keeping the current name, and the membership will then vote on what they want to call the newsletter of the STC. *Thanks, John P. Hageman* 

STCNEWS

President

Stan Bravenec
VA Medical Center
Houston 713-794-7188
josephs.braveneciii@med.va.gov

President-Elect

Karen Blanchard
TDSHS
Austin 512-834-6688 x2026
Karen.Blanchard@dshs.state.tx.us

Past-President

John "Jay" W. Poston, Jr.
Friendswood 713-745-6852
JayPoston@comcast.net
JPoston@mdanderson.org

Secretary

Jennifer A. Watson
UTHSCSA, Environmental
Health & Safety
San Antonio 210-567-2960
watsonj@uthscsa.edu

Treasurer

David Fogle
TDSHS
Austin 512-834-6688 x2203
David.Fogle@dshs.state.tx.us

Treasurer-Elect

Pete Myers
TDSHS
Austin 512-301-1182
Pete.Myers6@sbcglobal.net

Board Members

Douglas A. Johnson (07-10)
TAMU
College Station 979-458-4337
dougjohnson@tamu.edu

John C. White (08-11)
Univ. of Texas Sw Medical Center
Plano 214-645-8340
john.white@utsouthwestern.edu
radjcw@hotmail.com

Sam H. Daniel, PhD (09-12)
Post Office Box 500
Lane City 979-657-2375
danielcasa@academicplanet.com

Editor

John P. Hageman
Southwest Research Institute®
San Antonio 210-522-2633
STCEditor@swri.org

Managing Editor

Barb Janusheske
Southwest Research Institute
San Antonio 210-522-6556

Associate Technical Editor

Susan Jablonski
TCEQ
Austin 512-239-6731
SJABLONS@tceq.state.tx.us

Graphic Designer

Jean Fox
Southwest Research Institute
San Antonio 210-522-2839

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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

Donations to the South Texas Chapter

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 two of the Chapter's funds during 2009 membership renewals received from March 27, 2009 through May 27, 2009. These two funds directly support the Chapter's educational mission. Donations to these funds are tax-deductible. Affiliated corporations are welcome to donate to these funds just as Suntrac Services did, as noted in the last issue of *The Billet*. Look for your name, or your company's name, in the next issue!



Scholarship Fund

Southeast Compact
Commission

H. Merrick Harrison
John R. Pickett
Joshua Walkowicz



Science Teacher Workshop Fund

Southeast Compact
Commission

H. Merrick Harrison
John R. Pickett

Dale Klein Visits Texas A&M University

Kenneth Krieger and Philip Peirce

The chairman of the Nuclear Regulatory Commission, Dr. Dale Klein, addressed an audience at Texas A&M University in April. Invited as part of the Nuclear Technology and Society's Invited Speaker Series, Dr. Klein's topic was "Perspectives on the Future of Nuclear Power in a Changing Environment."

Dr. Klein discussed the number of applications for

research and time needed to review new plant designs, and the availability of large forgings needed for some of the items in the plant—the reactor vessels, for example—which are currently only made in Japan.

Dr. Klein explained that we need to work toward having a standardized design for nuclear plants. He also noted that the power industry needs to be aware of

of the countries using nuclear energy have essentially duplicated the NRC's layout because of its efficient and safe system. Also, other countries—especially China—send their operators and instructors to the NRC for training. He briefly discussed the need for about 20,000 nuclear power plant workers by the year 2015. This will be necessary to replace retiring workers and

to have sufficient manpower at newly built facilities.

Dr. Klein opened the floor for questions, and discussed topics such as the need for the Reliable Replacement Warhead, the Yucca Mountain High-Level Radioactive Waste Disposal Facility, and the future of the power



Left to right: Bill Bryant, Ken Krieger, and Dr. Dale Klein

new power plants across the U.S., noting that there were 17 applications involving 26 new units, and because most of the applications for new units are for locations where power plants already exist, these new units will be better received by these communities than they would be at locations that do not already have units in place.

Some of the factors inhibiting companies from ordering new plants are the

fact that another single accident will basically halt nuclear recovery in the U.S. In addition, he discussed that out of the 61 new power plants that are now being built in the world, 21 of them are being built in China.

Dr. Klein also mentioned that the NRC was the best government agency to work for last year and hopes it will be again this year. He further praised the NRC by mentioning that most

plant workforce.

For those of you who do not remember Dr. Klein's distinguished past, he was a professor at the University of Texas, served as vice-chancellor of Special Engineering Programs for the University of Texas System, was appointed to the position of assistant to the Secretary of Defense for Nuclear, Chemical, and Biological Warfare in 2001, and then was appointed to the NRC as chairman in 2006. 

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

Minutes of the Executive Council Meeting

May 30, 2009

Jennifer Watson, Secretary

Persons in Attendance

Executive Council (EC) Members:

Jay Poston.....President
 Stan Bravenec.....President-Elect
 Jennifer WatsonSecretary
 David FogleTreasurer/
 Nominations
 Douglas Johnson.....EC Member
 Karen BlanchardEC Member

Committee Chairpersons:

Pete & Karen Myers..Admissions Chair/
 Publications Chair
 Andrew PittsAffiliates Chair
 John Hageman.....*The Billet* Editor
 Al Evans.....Science Teacher
 Workshop

Chapter Members & Guests:

Ken Krieger.....STC Member & Guest
 Sam DanielSTC Member & Guest
 Ruth McBurney.....STC Member & Guest
 Christy ShriverSTC Member & Guest
 John Salsman.....STC Member & Guest
 Bill BryantSTC Member & Guest

| Agenda Item | Discussion | Action |
|--------------------------------------|--|---|
| Call to Order 10:21 a.m. | Quorum established and Pledge of Allegiance | N/A |
| Agenda Approval | Move to approve the agenda as written | <i>Committee Vote:</i> Approved |
| March 2009 STC-HPS Executive Meeting | Motion to approve the minutes from the January 2009 meeting Motion: David Fogle Second: Doug Johnson | <i>Committee Vote:</i> Approved |
| President's Report | President Poston thanked everyone for help in making this year easier. Thanks went to John Salsman, Mike Charlton, and Jennifer for the Midyear Meeting and thanks went to Pete Myers and David Fogle for all they do for the STC-HPS. | |
| President-Elect's Report | Ludlum Measurements has decided not to use the South Texas Chapter logo, but will have a table for the Chapter for outreach purposes. | <i>Action Item:</i> Karen Blanchard will work to get volunteers to man the table. |
| | The South Texas Chapter Breakfast will be planned with the collaboration of Karen Blanchard, John Hageman, and David Fogle, who will determine the best breakfast menu for the National Meeting. | |
| | The September 18–19, 2009 Affiliates Meeting was originally planned to be held at the Moody Gardens in Galveston where the room rate is \$149/night, but the Executive Council recommended trying to find a less expensive venue. The Executive Council discussed possible methods for subsidizing the cost for members. Ideas included finding discounted room rates or waiving the meeting registration fee. | |
| | Motion for the Chapter to subsidize member registration or reduce room rates at the next meeting in accordance with the program committee findings. Motion: David Fogle Second: Karen Blanchard Motion amended to add in at the end "at a rate not greater than \$50." This was approved by both the Motioner and Second. Pete Myers stated that we should make this a large portion of the announcement for the meeting, while others were concerned with the cost and if this was considered charitable. | <i>Committee Vote:</i> Approved <i>Action Item:</i> Program Committee will determine the cost of the room and what will be subsidized—the room or the registration fee. |

| Agenda Item | Discussion | Action |
|--|--|---|
| President-Elect's Report <i>continued</i> | The January 8-9, 2010 meeting will address Proton Therapy at the MD Anderson Proton Therapy Center in Houston, Texas. | |
| | The Texas Southern University has an undergraduate health physics program that has just started this year. The Chapter needs to reach out to them and encourage their participation. The idea discussed was possibly looking into having the Spring 2010 Meeting at TSU with the new President-Elect coordinating the planning for this meeting. | |
| | <p>The Executive Council discussed whether universities should pay Affiliate dues and in fact, whether all institutions should phase in the payment of Affiliate dues. The Council decided that institutions should probably phase in payments for dues and that the university issue would be decided by the next Executive Council Meeting.</p> <p>One option discussed was that if universities wanted to pay Affiliate dues, they could have a table at the Affiliate Meeting and the same rights as other Affiliates.</p> <p>As for Texas A&M University, when all projects are completed, Ken Krieger will liaison and bring up the Affiliate dues option.</p> | <i>Action Item:</i> Decide if universities will need to pay Affiliate dues |
| | Pete Myers has the full support of the Program Committee and the new President-Elect to organize the nationally famous 2010 Texas Regulatory Conference. The contract has been signed for the hotel and the Conference will include the Low-Level Waste Compact Commission. Pete Myers will be working with the agency to come up with a list of licensees. He will then gather their email addresses and mass-email them with Conference information about one year prior to the meeting. | <i>Action Item:</i> Pete Myers will contact the agency to get a working list of licensee emails to use to send out a mass email one year prior to the meeting. |
| | Online payments using PaymenTech has been progressing fast and furious for the past two weeks. Rudy is working with Chase® and will be testing the gateway soon. Once successfully tested, we can go live with online payments, hopefully before the National Breakfast. Online payments will help bring more people to regular conferences. | |
| | <p>Amendment to the bylaw language to allow for voting and ballots by electronic methods (<i>proposed changes are highlighted in the following sections</i>):</p> <p><i>Section 1.</i> Amendments to the Bylaws may be proposed (i) at any business meeting of the membership if accepted by a majority vote of the members present and voting, (ii) by petition bearing the signatures of at least ten (10) percent of the voting members of the Chapter, or (iii) by the Executive Council. Proposed amendments shall be reviewed by the Executive Council, or by a committee appointed by the President and approved by the Executive Council, put in proper contest, and then circulated to the membership of the Chapter by the Secretary within ninety (90) days following the proposal to amend. The proposed amendments shall be put to a vote by the members in good standing prior to the close of the first business meeting of the Chapter following the close of the ninety (90) day period set out above. Voting may be conducted by any acceptable voting method and adoption requires the approval of a majority of the voting members voting.</p> | <p><i>Committee Vote:</i> Approved</p> <p><i>Action Item:</i> Stan Brave-nec will announce this at the Annual Meeting and it will be placed in the August issue of <i>The Billet</i> for a vote in September.</p> |

continued on page 6

| Agenda Item | Discussion | Action |
|--|---|--------|
| <p>President-Elect's Report <i>continued</i></p> | <p>Proposed Amendments: ARTICLE VI ELECTION AND BALLOTING PROCEDURES</p> <p>Current Language Section 6: <i>Section 6.</i> All letter ballots shall be prepared at the direction of the Secretary and mailed to each member of the Chapter in good standing. Ballots for elective positions shall be mailed at least forty (40) days prior to the Annual Meeting, and provisions shall be made for the names of write-in candidates on the ballot. A ballot shall be closed on the thirtieth (30th) day following the mailing of the last ballot to the membership.</p> <p>Proposed Amendment Language Section 6: <i>Section 6.</i> All letter <i>or electronic</i> ballots shall be prepared at the direction of the Secretary and mailed <i>or announced by electronic means</i> to each member of the Chapter. <i>Only members in good standing are eligible to vote.</i> Ballots for elective positions shall be mailed <i>or distributed by electronic means</i> at least forty (40) days prior to the Annual Meeting and provisions shall be made for the names of write-in candidates on the ballot. A ballot shall be closed on the thirtieth (30th) day following the mailing of the last ballot to the membership.</p> <p>Current Language Section 7: <i>Section 7.</i> The member shall return his ballot by mail to the Secretary with the member's name and return address displayed upon the mailing envelope. Following the closing of the ballot, the Secretary shall convene not less than five (5) members of the Executive Council for the purpose of tabulating and certifying the vote. The Secretary shall examine the names on the envelope and certify the eligibility of the member to vote. The ballots shall be removed from the envelopes in such a manner as to preserve the vote as secret, and no ballot shall be voided if the intent as to the choice of the member is clear. The envelopes, ballots, and tally sheets shall be retained by the Secretary and sealed in a suitable container until the close of the next regular Meeting of the Chapter, after which time the envelopes, ballots, and tally sheets shall be destroyed. A majority of the membership voting for an elective position or an amendment shall be required to elect or amend. Ties shall be settled by lottery. Following certification of the results of the poll, nominees shall be notified promptly of the outcome of the election.</p> <p>Proposed Amendment Language Section 7: <i>Section 7.</i> The member shall return his or her ballot by <i>letter mail or electronic means</i> to the Secretary <i>or electronic database</i> with the member's name and return address displayed upon the mailing envelope <i>or captured by electronic means.</i> Following the closing of the ballot, the Secretary shall convene not less than five (5) members of the Executive Council for the purpose of tabulating and certifying the vote. The Secretary shall examine the names on the envelope <i>and/or the results of the electronic ballot</i> and certify the eligibility of the member to vote. The ballots shall be removed from the envelopes <i>and/or names removed from the electronic results</i> in such a manner as to preserve the vote as secret, and no ballot shall be voided if the intent as to the choice of the member is clear. The envelopes, ballots, and tally sheets shall be retained by the Secretary and sealed in a suitable container until the close of the next regular Meeting of the Chapter, after which time the envelopes, ballots, and tally sheets shall be destroyed. A majority of the membership voting for an elective position or an amendment</p> | |

| Agenda Item | Discussion | Action |
|--|--|---|
| <p>President-Elect's Report <i>continued</i></p> | <p>shall be required to elect or amend. Ties shall be settled by lottery. Following certification of the results of the poll, nominees shall be notified promptly of the outcome of the election.</p> <p>Proposed Adoption of Electronic Voting Method for Executive Council Votes: Per Bylaws: Voting may be conducted by any acceptable voting method and adoption requires the approval of a majority of the voting members voting. Proposal: <i>Voting by electronic means on Executive Council issues is acceptable if 100% of the presiding Executive Council agree on the voting issue. The issue and vote shall be recorded by the Secretary and read in the following Executive Council Meeting. If there is one disagreement or abstention, the vote must be carried out by normal parliamentary procedure in the next Executive Council Meeting.</i></p> <p>Motion to approve the amendment to the bylaws. Motion: David Fogle Second: Stan Bravenec</p> | |
| | <p>Motion to approve the President-Elect Report Motion: Karen Bravenec Second: Doug Johnson</p> | <p><i>Committee Vote:</i> Approved</p> |
| <p>Treasurer's Report</p> | <p>Thanks to the T-shirt Sales at the Midyear Meeting, we have increased our operating fund by \$508.26 and are holding steady on the money market and mutual fund account.</p> <p>The total assets of the Chapter are \$113,290.59. Motion to approve the Treasurer's Report Motion: Karen Blanchard Second: Stan Bravenec</p> | <p><i>Committee Vote:</i> Approved</p> |
| | <p>Reimbursements— Frank Giddings—\$137.04, Science Teacher Workshop expenses Jennifer Watson—\$99.09, ballot stamps and envelopes Motion: Karen Blanchard Second: Stan Bravenec</p> | <p><i>Committee Vote:</i> Approved</p> |
| | <p>There was a proposal from Pete Myers to increase money subsidizations for student presentations. The proposal was to take \$15,000 from the money market funds and \$17,000 from the operating funds for a total of \$32,000 in funds. This \$32,000 would be placed in an annuity under a 7-year contract with a 3.15% interest rate over the first three years. This should result in at least \$1,000 per year in interest that could be used for educational grants.</p> <p>The interest rate could float to above 3.15% and we would get more return if it does. The increase in interest should help increase the research payments for the cost of presentations and cover the cost of \$1,000 for the educational grants to match the average income for student assistance.</p> <p>Motion for Pete Myers to move forward on this idea in behalf of STC-HPS and the Treasurer to complete the appropriate paperwork. Motion: Karen Blanchard Second: Stan Bravenec</p> | <p><i>Committee Vote:</i> Approved</p> <p><i>Action Item:</i> Pete Myers will work with David Fogle to move forward on the Annuity.</p> |

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| Agenda Item | Discussion | Action |
|---|--|---|
| Secretary Report | Mailed out 190 ballots to eligible voters as outlined by Pete Myers on April 29, 2009. The ballot counting was scheduled for May 30, 2009 at 9:00 a.m. with a request that Doug Johnson, David Fogle, Stan Bravenec, and Jay Poston be present. | |
| | The results of the elections were as follows: President Elect: Karen Blanchard Treasurer-Elect: Pete Myers Board Member: Sam Daniel | <i>Committee Vote:</i> Congratulations to the new Officers! |
| Membership Report | Current STC membership is at 225 members. Voted on new members. Motion to accept members: Karen Blanchard Second: Stan Bravenec | <i>Committee Vote:</i> Approval of new STC members. Congratulations! |
| WELCOME NEW STC MEMBERS! | New Members: Baxendale, Kristen L. – TSTC Walkowicz, Joshua – Engelhardt & Associates Handy, Carlos – Texas Southern University Harwell, Desiree R. – TSTC Siegelman, Lori – Sustainable Solutions Luthiger, Peter, NRRPT – Mestena Uranium, LLC | <i>Committee Vote:</i> Approval of new STC members. Congratulations! |
| | 288 membership renewal letters were sent to 2008 and 2007 members on December 1, 2008. Emailed reminders to 115 delinquent 2008 and 2007 members on February 1, 2009. Emailed STC Secretary list of eligible voters for 2009 election (188) and emailed 150 HPS members (non-STC members) to invite them to become STC members on March 6, 2009. STC EC agreed for Membership Committee to include solicitation of affiliate membership renewals during 2010 membership drive. There are three affiliate member representatives who are also individual members: Carl Forbes – EarthTech Betty Hail – Owens Scientific Rob O'Donel – Suntrac Services | |
| Program Committee | The Affiliates Fair will be located in Galveston. The meeting in January will be on January 8–9, 2010, at the MD Anderson Facility in Houston on Proton Therapy. The meeting for the student presentations and annual meeting will be in mid-April 2010. | |
| Legislative Committee | No report at this time. | |
| Affiliate Committee Report | No report at this time. | |
| Publications Committee | Pete Myers continues to be a great assistant to John Hageman for <i>The Billet</i> . Pete and Karen Myers do a fantastic job in helping to obtain articles. | |
| Nominations Committee | There is a Science Student Award available for \$1,000 from National. Ruth McBurney will contact Ken Nelson for more information and nomination packets. David Fogle will nominate a high school student, and we will need to follow-up with this each year. | <i>Action Item:</i> David Fogle will nominate one science student for the National Award. |

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

STCMinutes

| Agenda Item | Discussion | Action |
|---|--|--|
| Nominations Committee <i>continued</i> | Susan Jablonski was selected for the HPS 2009 Elda E. Anderson Award. | |
| | David Fogle wishes to step down as the Nominations Committee Chair. | <i>Action Item:</i> Need to locate a new Nominations Committee Chair |
| <i>The Billet</i> | The deadline for <i>The Billet</i> – February 6, 2010, for the Spring Student Presentation Meeting and the Annual Meeting. | |
| Science Teacher Workshop | Ken Krieger and Sam Daniel gave a four-hour presentation at the joint APS-AAPT Meeting at Tarleton State University in Stephenville on April 4, 2009. One of the participants suggested that we present a workshop in his school district in Houston, possibly in August. Ken and the Chairman have both responded positively but there has been no further correspondence. | |
| | The CAST-9 Convention booth has been reserved for the Convention in Galveston on November 4–7. The booth will be open from noon on Thursday until noon on Saturday. We have submitted a proposal for a workshop during that meeting. STAT action on the proposal is expected around June 1. There will be 6,000 attendees at the Conference. The four volunteers for the booth are Sam Daniel, the Sharps, and Al Evans. | |
| | CAST2010 will be in November 2010 and we will have to take action before April 2010. Al will arrange for a workshop and will need people to help. He will also post an ad in the State Teacher's Association online to publicize the workshop. \$170 was approved for this on the last budget. | |
| | Karen Blanchard announced that we need to find a new source of instruments or a change in policy. There is a huge stash of tubes that can be used and surplus is being pulled. There are ten coming and some in the closet at DSHS. The new policy should be to move to only giving one detector per school instead of one per student. | |
| Student Assistance Committee | Linda Morris is requesting that there be an announcement that the Education Grant applications are still being accepted. The deadline has been extended to June 15th. All full-time associate degree students and graduate students in a health physics-related major who are also members of the STC may apply for this award. | |
| | John Hageman asked if we can give money for science fair presentations the same way we give to scholarships. Are there protocols in place for giving cash? Could we possibly give \$200-\$300 for this? | <i>Action Item:</i> Look into giving cash for the science fair presentations or see if this is possible. |
| Recognitions | None at this time. | |
| Adjournment | 11:44 a.m. Motion: Stan Bravenec Second: Karen Blanchard | |

CHANGING YOUR ADDRESS? CHANGING office? Home? Phone?
NOTIFY Pete Myers AT Pete.Myers6@sbcglobal.net

TSTC Participates in Dirty Bomb Exercise in Waco

Kenneth Krieger and Linda Morris



Texas State Technical College Waco (TSTC) faculty, staff, and students participated in a dirty bomb exercise on Thursday, May 21, at the Heart of Texas Fairgrounds. The purpose of the drill, led by the Waco-McLennan County Emergency Management, was to test local preparedness in emergency situations.

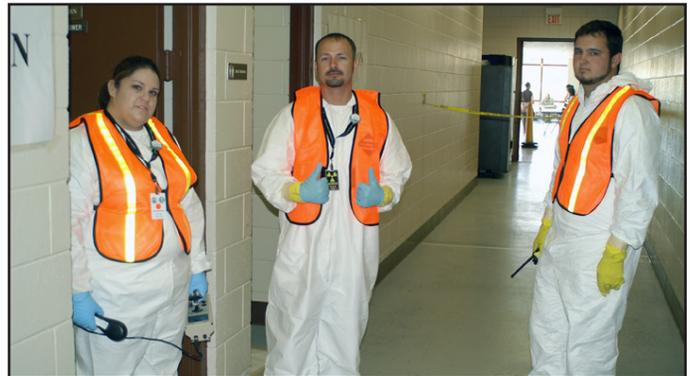
South Texas Chapter member Linda Morris and her advanced radiation protection students from TSTC assisted at the fairgrounds—which was ground zero for the exercise—by assessing radiological conditions at the site and identifying their source. Kenneth Krieger worked with other students at the population monitoring site that was set up in a recreation center. The students at this location were responsible for the surveying and decontaminating of simulated victims who were sent through the site's portal monitors.

Several of the TSTC students, other faculty, and staff volunteered to be victims of the bomb. Some victims were tagged as contaminated/injured and were sent to the hospital, while others were designated to go to the population monitoring site.

Several other agencies were involved, including:

- Texas Department of State Health Services
- Texas Commission on Environmental Quality
- FBI
- Department of Public Safety
- Federal Emergency Management Agency
- County emergency response agencies
- Several area hospitals
- Local fire responders
- Local police forces

The day-long scenario included over 600 people participating under the premise that a dirty bomb had been detonated at the fairgrounds during the county fair. At the exercise debriefing the following morning, Linda Morris and her students were given a special thank you from the organizers of the exercise for their participation. 



A Salute to Military Health Physics

May 30, 2009 San Marcos, TX

Karen Blanchard

An afternoon in May was well spent by the attendees of the South Texas Chapter (STC) at our Annual Meeting as we paid tribute to and learned of the varied roles of health physicists in the military. The topic was selected in recognition of the new Health Physics Society's (HPS) Military Health Physics Section—not to mention that the founder of this new section is one of STC's very own, Col. (Ret.) Bob Cherry. The program presented a look at health physics past, present, and future.

The military health physics past segment was kicked off by Bill Bryant. He gave everyone a peek into the efforts our country used to try to keep a plane in the air for extended periods of time by utilizing a small nuclear reactor to power the craft. Bill's experiences at General Dynamics, as he described them, proved this was no easy task. The research undertaken by General Dynamics encompassed exploring the shielding requirements for carrying a reactor on an aircraft. Since the program was eventually discontinued, no plane was

ever powered by a nuclear reactor. Bill's presentation included a model of the prototype aircraft, numerous photos, and several original project documents.

Another retrospective view of military health physics was conveyed through the pictures and stories of Col. (Ret.) Pete Myers. Pete's experiences as a health physicist took everyone back through the development and history of the Army's health physics training program. The pictures of the program's early "pioneers" provided an interesting then-and-now look at many of the familiar faces in the field of health physics in the United States. Pete took the audience along on a photographic reminiscence of his assignment on Enewetak Island where he and his colleagues worked to return the island to a habitable condition.

The military health physics present segment was addressed by Lt. Col. Mark Bower from Brook Army Medical Center. Lt. Col. Bower's presentation clearly showed the challenges of taking medical health physics from the hospital to the

deployment zones. He gave everyone a "real time" look into what today's Army health physicists have to contend with to provide the necessary care for America's soldiers: from hospital to hostile locations; from readily available and ample equipment and supplies to determining what you have to have and getting it where you need it; from "taking it easy back home" to training for combat. He also provided insight into the varying roles of today's military health physicists as they investigate and secure sources of radiation in less-than-hospitable environments.

Military health physics future is already under way today—and it's not just about ionizing radiation. Lt. Col. Scott Nicholson's presentation provided an overview of the U.S. Air Force Research Laboratory's Radio Frequency Radiation Branch. This group is researching the development and use of radio-frequency (RF) radiation in military applications, especially non-lethal weapons. Only non-classified information could be discussed, of course,

but Lt. Col. Nicholson was able to describe some of his personal experiences in the research. Though RF is non-ionizing, the expertise of health physicists is being relied upon as the use and effects of this application are studied.

Another present and future role of health physicists in the military involves the safety and protection of laser users. Lt. Col. (Ret.) Pat Roach provided the fundamentals as well as some advanced aspects of laser operation and safety. We all know what lasers are, but did you realize that LASER is actually an acronym? LASER stands for Light Amplification by Stimulated Emission of Radiation. Attendees learned how lasers work and the inherent hazards associated with them.

It was a great way to spend a Saturday afternoon. Wish you could have all been there. The STC salutes these presenters, all of the health physicists, and all personnel who were, are, and will be in, or supporting, our country's military branches—thank you for all your service to America! 

National Meeting Report

Pete and Karen Myers

The Health Physics Society (HPS) held its 2009 Annual Meeting in Minneapolis, MN, July 12–16. Many South Texas Chapter members actively participate in national HPS activities and participated in this national meeting; sincere thanks are offered to those

who contribute their time, talent, and efforts to HPS.

The most notable event of the week, without question, was when HPS awarded the 2009 Elda E. Anderson Award to our own Susan Jablonski (TCEQ) during the Awards Banquet ceremonies. The award is presented annually to the

most outstanding young member of the Society (see *The Billet*, Vol. 30, No. 2, April 30, 2009). Susan is well known in the STC, Texas, and nationally for her extensive experience in radioactive waste management and her work with the Low-Level Radioactive Waste Forum. This award recog-

nizes Susan's extraordinary excellence and extensive accomplishments at an early age in a critically important facet of health physics. Her acceptance speech was gracious, humble, and heartfelt. She recounted how Dr. Elda Anderson faced difficult challenges to achieve impor-

continued on page 16

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

Affiliates Fair & Chapter Meeting

Saturday, September 19, 2009
Galveston, Texas

*2 CEUs
Awarded
for LMPs
& MRTs*

What better way to end a long, hot summer than to go to the beach? The South Texas Chapter is doing just that! We will be hosting the Affiliate's Fair and Chapter Meeting on Galveston Island. The island has done a remarkable and amaz-

ing job in its recovery—as

unique and beautiful as ever.

The meeting will be held in the Hilton Galveston Island Resort. The discounted room rate for the South Texas Chapter is \$85.00/night for single and \$125.00/night for double. The single rate will be the

prevailing state government rate—currently that is \$85.00. If the state rate increases September 1st, then single room rates will be charged at that new rate. These rates are good for both Friday the 18th and Saturday the 19th, should you decide to stay over.

For reservations call **877-425-4753**. Please give them the **Group ID "HPS"**.

Important: The deadline for reservations is August 28, 2009!

Reservations requested after cut-off date will be subject to space and rate availability only. Availability cannot be guaranteed. Check-in begins at 4:00 p.m. and check-out ends at 11:00 a.m. The Hilton Galveston Island Resort provides complimentary self parking to guests of the hotel.

Directions to the Hilton Galveston Island Resort:

From Houston, travel I-45 South to Galveston. Take the 61st Street exit. Turn right on 61st Street. Stay on 61st Street until you get to Seawall Boulevard. Turn left onto Seawall Boulevard. The Hilton Galveston Island Resort will be approximately 7 blocks down on your left at 5400 Seawall Boulevard. The Gulf of Mexico, of course, will be on your right!

Galveston Island has so many attractions—bring the family and make it a weekend! Moody Gardens with rain forest, aquarium, Disney educational museum, and IMAX theater; the historic homes and the Strand shopping district; museums; fabulous food; and the beach! 

Galveston Island has so many attractions—bring the family and make it a weekend!

STC Meeting pre-registration deadline is September 9, 2009

Hotel registration deadline is August 28, 2009

EMAIL ALERT! Not getting your email messages from the STC or your email has changed or is changing?

NOTIFY Stan Bravenec AT josephs.braveneciii@med.va.gov

Affiliates Fair & Meetings Agenda

September 18–19, 2009

Hilton Galveston Island Resort • 5400 Seawall Boulevard • Galveston, TX 77551
Phone: 409-744-5000 • Reservations: 877-425-4753

Friday, September 18, 2009

| | |
|--------------|---|
| 5:30–7:30 pm | Executive Council Meeting: Jay Poston's house in Friendswood. Please RSVP to Jay at jay.poston@comcast.net if you plan to attend. He will email the directions to you. |
|--------------|---|

Saturday, September 19, 2009

| | |
|------------------|---|
| 7:00–8:00 a.m. | Vendor Set-up: Salons B&C |
| 8:00–8:30 a.m. | Registration: Hilton Galveston Island Resort, 1st floor, conference registration area in front of meeting rooms |
| 8:00–8:30 a.m. | Vendor Exhibits—Continental Breakfast: Salons B&C |
| 8:30–8:40 a.m. | Welcoming Remarks and Introductions: Salon A, Stan Bravenec, STC-HPS President |
| 8:40–10:00 a.m. | Vendor Presentations: Salon A |
| 10:00–10:30 a.m. | Break / Professional Networking and Refreshments: Vendor exhibit area, Salons B&C |
| 10:30–12:00 p.m. | Vendor Presentations: Salon A |
| 12:00 –1:15 p.m. | Lunch: Tower Room <ul style="list-style-type: none">• John White, Vice-Chair, Texas LLRW Disposal Compact Commission• Wesley Williams, HPS Student Science Award winner |
| 1:30–3:00 p.m. | Vendor Presentations: Salon A |
| 3:00–3:30 p.m. | Break / Professional Networking and Refreshments: Vendor exhibit area, Salons B&C |
| 3:30–4:00 p.m. | STC-HPS Chapter Business Meeting: Stan Bravenec, STC-HPS President, Salon A |
| 4:00 p.m. | Drawings and Presentation of Door Prizes: Stan Bravenec, STC-HPS President, Salon A |
| 4:30 p.m. | Adjourn |

Affiliates Fair & Chapter Meeting Registration

September 19, 2009

Hilton Galveston Island Resort • 5400 Seawall Boulevard • Galveston, TX 77551
Phone: 409-744-5000 • Reservations: 877-425-4753

STC Meeting pre-registration deadline is September 9, 2009 • Hotel registration deadline is August 28, 2009

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) = \$55
- STC member pre-registration fee (technical sessions ONLY) = \$45
- NON-STC member pre-registration fee (technical sessions and lunch) = \$65*
- NON-STC member pre-registration fee (technical sessions ONLY) = \$55*
- NON-STC member (e.g., spouse/guest) pre-registration fee (lunch ONLY) = \$15*
** Non-STC members are welcome to apply for STC-HPS membership at the meeting and enjoying privileges of membership at future Chapter events.*
- Student (technical sessions and lunch) = \$10
- Registration** by mail after **September 9, 2009**** or on site, 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 September 9, 2009

Please complete the **registration form** and mail the form along with check or money order (payable to STC-HPS) to arrive before September 9, 2009, 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 September 9, 2009, 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 September 9, 2009

You may register after September 9, 2009 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 September 9, 2009. If you pre-register but cannot attend, please call 512-834-6688 x2203 and cancel your reservation **PRIOR TO SEPTEMBER 9, 2009** to receive a full refund. Any reservation not cancelled by September 9, 2009 will be regarded as a confirmed reservation and no refund will be given. **Registration fees collected after September 9, 2009 or at the door, space permitting, will be \$10 extra.**

Health Physics Society (HPS) Position Statements

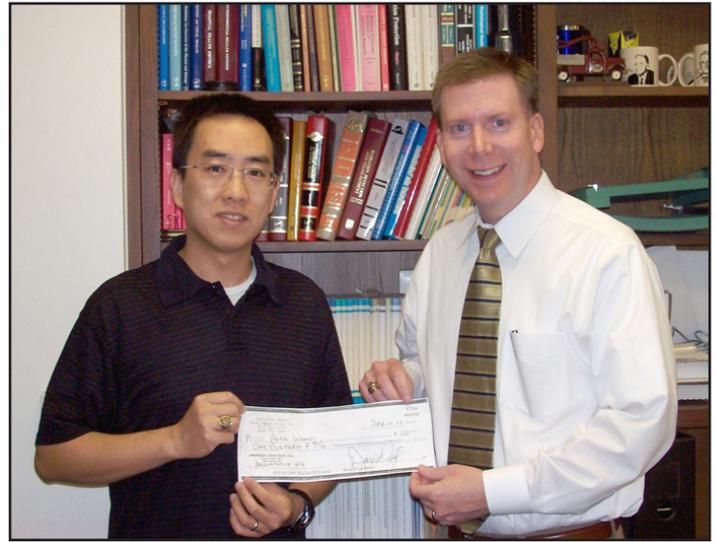
Pete and Karen Myers

Good health physicists, as we all aspire to be, should be aware of our professional society's positions on a wide variety of issues. HPS Position Statements are prepared by or under the direction of HPS' Scientific and Public Issues Committee (S&PIC) and approved by the HPS Board of Directors in accordance with the Bylaws and Rules of the Society. The S&PIC is comprised of five members:

- immediate past president
- president
- president-elect
- two most recent president emeriti

HPS Position Statement titles are listed below and links to active Statements are located at <http://hps.org/hps-publications/positionstatements.html>.

- *Ionizing Radiation Safety Standards for the General Public (2009)*
- *Human Capital Crisis in Radiation Safety (2008)*
- *Congress and Federal Agencies Must Take Action to Ensure a Domestic Supply of Medical Radioisotopes (2008)*
- *Whole-Body Computed Tomography for Screening Should Not be Performed (2007)*
- *Clearance of Materials Having Surface or Internal Radioactivity (2007)*
- *Compatibility in Radiation-Safety Regulations (2007)*
- *Food Irradiation (2007)*
- *Managing Spent Nuclear Fuel (2007)*
- *Ultraviolet Radiation and Public Health (2007)*
- *Use of Ionizing Radiation for Security Screening of Individuals (2007)*
- *Continued Federal and State Action is Needed for Better Control of Radioactive Sources (2006)*
- *Low-Level Radioactive Waste Management Needs a Complete and Coordinated Overhaul (2005)*
- *Uniform Regulations for Certain Radioactive Materials (2005)*
- *Radiation Risk in Perspective (2004)*
- *Guidance for Protective Actions Following a Radiological Terrorist Event (2004)*
- *Compensation for Diseases that Might be Caused by Radiation Must Consider the Dose (2001)*
- *Occupational Radiation Safety Standards and Regulations are Sound (2001)*
- *Risk Assessment (1995)*
- *Perspectives and Recommendations on Indoor Radon (1990)*



Mike Charlton (right) presents a \$100 check to Xudong (Alan) for his presentation at the March 2009 STC meeting.



Ken Krieger (right) presents Alice Dale a \$100 check for her presentation at the March 2009 STC meeting.

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TRAB's most recent meeting was held from 9:00 a.m. to 12:00 p.m. on Saturday, June 13, 2009, at the Department of State Health Services' (DSHS) Moreton Building in Austin.

For details, visit:

www.stc-hps.org

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tant goals and inspired us to do the same. She remembered and thanked family and friends, and her mentors and associates, particularly John Poston, Sr., who inspired her to attend Texas A&M University (TAMU) to receive her initial health physics training.

As is traditional at national HPS meetings,

many STC members, family and friends, gathered Tuesday morning for breakfast (this is year 25, or so). David Fogle (DSHS), our STC treasurer, made announcements regarding the upcoming Affiliates Fair (September 19 at the Hilton Galveston Island Resort) and the Student Research Paper Meeting (April 10

in College Station). John Hageman (SwRI) indicated that he will suggest those dates to HPS President-Elect, Ed Maher, as dates when Ed could make his President-Elect visit to the STC. John Poston, Sr., (TAMU) announced that the 2009 winner of the STC's \$1,250 Neff-Poston Scholarship is Shawn Sche-

pel, a TAMU senior health physics student. It was great fun to break from the meeting to "break bread" with those STC members who could make it to the breakfast.

Some significant activities of the STC members at the meeting are listed below:

Awards and Honors:

- Susan Jablonski (TCEQ) received the Elda E. Anderson Award.
- Derek J. Favret (USAF School of Aerospace Medicine, San Antonio) is now a CHP.
- Janet McCrary-Gutierrez (UTHSC-H) is now a CHP.
- Dale D Thomas, III (Brooks AFB USAMEDDC&S) is now a CHP.
- Latha Vasudevan (TAMU) is now a CHP.
- Charles R. Williams (USAMEDDC&S, San Antonio) is now a CHP.

HPS Officers, Board of Directors, and Section Meetings:

- Bob Cherry (AECOM) completed his term as HPS secretary-elect and was installed as HPS secretary, and as founder of the Military Health Physics Section, he completed his term as president of that section.
- Ali Simpkins (Dade Moeller & Associates, San Antonio) completed her term as a director on the HPS Board of Directors.
- John Hageman (SwRI) was installed as treasurer-elect of the HPS.
- Ed Bailey (Consultant) was installed as director on the HPS Board of Directors, and was assigned as the Board's liaison to the STC.

HPS Committee Meeting Participation:

- Awards Committee: Ruth McBurney (CRCPD)
- Continuing Education Committee: David Crowder (Austin Police Department)
- Executive Committee: Bob Cherry and John Hageman
- Health Physics Journal and Operational Radiation Safety Board: Bob Cherry, John Hageman, and John Poston, Sr.
- International Collaboration Committee: David Hearnberger (Kaizen Innovations)
- Scientific and Public Issues Committee: Ruth McBurney

Session Chairs:

- David Hearnberger: Internal Dosimetry and Bioassay.
- Carson Riland (DOE, Las Vegas): Homeland Security, Radioactive Material Monitoring, and Security.
- Scott Nicholson (USAF, Brooks City Base, San Antonio): Military Health Physics
- Bob Cherry: Military Health Physics

Session Presentations:

- Ed Bailey, *Dental Staff Doses for Hand-Held Dental Intraoral X-Ray Units*
- Bob Emery and Janet McCrary-Gutierrez (UTHSC-H), *EH&S 'Boot Camp' for University and Hospital Radiation Safety Professionals: A Unique 3 Part PEP Course Series*
- Ken Krieger (Consultant), (1) *Hollywood's Perception of Radiation Over the Years*, (2) *Predicting Internal Dose from Air Sampling Results from a Radiological or Nuclear Event*, (3) *Using PHITS to Verify and Calibrate the RAD Instrument*
- John Poston, Sr., *Preparedness for Responding to the Aftermath of Radiological and Nuclear Terrorism: A Guide for Decision Makers (New NCRP Report)*
- Mary Van Baalen (NASA, Houston), (1) *Increased Cancer Mortality Risk for NASA's ISS Astronauts: the Contribution of Diagnostic Radiological Examinations*, (2) *A Method for Determining the Nominal Ocular Hazard Zone for Gaussian Beam Laser Rangefinders with a Firmware Controlled Variable Focal Length*

Posters:

- Latha Vasudevan (TAMU): "Evaluation of Neutron Flux and Gamma Dose Rates at the Irradiation Cell of the Texas A&M Nuclear Science Center Reactor."

Exhibitors:

- Ameriphysics
- Bionomics
- F&J Specialty Products
- Philotechnics
- Thermo Fisher Scientific
- William B. Johnson & Associates

Some Other STC Attendees: Steve Allen (AEIL); Matt Arno (Foxfire); Phil Bourland (Scott & White); Dru Carson (Ludlum); Steve Cima (Consultant); Sam and Carol Daniel (STC-HPS); David, Nathaniel, & Natalie Fogle (DSHS); Maria Gonzales (Medical & Radiation Physics); Melissa Hageman; Chris Maxwell (Eljen Technology); Mac McBurney (Retired); Linda Morris (TSTC); Pete Myers (STC-HPS); Christy Shriver (Consultant); Laura Stoicescu (STP); Marilyn Stovall (MD Anderson Cancer Center); Audrea Tamez (TSTC); Charles Williams (Army Medical Department Center and School, Fort Sam Houston).





Sabrina Gutiérrez, Special Delivery

David Fogle

New mom, Janet (McCrary) Gutiérrez, and new dad, Jorge Gutiérrez, welcomed a very special arrival on January 27, 2009. Sabrina Alexa Gutiérrez weighed in at 6 lbs., 12 oz. The baby girl, mom, and dad are all doing well. 🇺🇸

STC Does Another Science Teachers Workshop

Kenneth Krieger

At the annual meeting of the American Association of Physics Teachers at Tarleton State College in Stephenville, Texas, the STC held another Science Teachers Workshop (STW).

Even though the workshop had only five teachers in it, all five seemed to be very interested in the materials presented. The teachers were familiar with some of the aspects of radiation and may already be teaching some of this material in their classes. Several of them asked for information about how they could get the full version of the workshop at their schools. I say “full version” because the time allotted for this work-

shop was only four hours, so some of the material had to be gone over rather rapidly with not much explanation.

The presenters of this mini-STW were Sam Daniels and Ken Krieger. The subjects of radiation fundamentals and radiation in everyday life were emphasized more than cell biology and waste because the prior two seem to be the more important sections.

The teachers happily received their survey meters, and we discussed a few experiments they could perform, as well as where they could find more material to use in the classroom. 🇺🇸

SAVE TIME & MONEY

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The Billet STC Newsletter
the E-WAY

UPDATE your contact information on
the STC-HPS Web site

William “Bill” Forrest Kendall, Remembered

Elaine Kendall

Im very sorry to bear bad news. However, my husband William (Bill) Kendall passed away on January 12 of this year. He was in guarded health from July until his death, dying from a super bug infection which shut his body down. We both remember our many friends in the South Texas Chapter; and Bill spoke fondly of these “good times.” I’ve enclosed an article which was in the February 8, 2009, Fayetteville newspaper:

William Forrest Kendall, 72, of Fayetteville, died January 12, 2009. He was born in Clarksburg, W.Va., the son of Forrest O. Kendall and Yvonne Quinet, both from West Virginia and now deceased. He is survived by his wife of 35 years, Elaine E. Reinhardt Kendall, formerly of Hickory and Chapel Hill.

Dr. Kendall was educated at West Virginia University with an AB in pre-medicine and attended one year of medical school at the University of Virginia. He earned a master’s degree in public health and in 1973 a PhD of radiological hygiene at UNC-Chapel Hill. He was boarded in health, therapeutic and diagnostic physics and was active in numerous professional societies at the national and local levels.

Dr. Kendall retired from the U.S. Army Medical Service Corps in 1981 after 21 years with the rank of Lt. Colonel.

He had served at various U.S. government medical centers, either as health therapeutic and/or diagnostic physicist. Among them were Valley Forge Medical Center in Pennsylvania, Walter Reed Army Medical Center in Washington, D.C., William Beaumont Army Hospital in El Paso, Texas, and Brook Army Hospital in San Antonio, Texas. In addition to his many posts, he also served as an ambulance commander for the Army in Germany.

After leaving the military, Dr. Kendall served the general public at many civilian hospitals throughout the country, in Dallas and Denton, Texas; Flagstaff, Arizona; Philadelphia, Pennsylvania; Baltimore and Columbia, Maryland; New Britain, Connecticut; Miami, Florida; Green Bay, Wisconsin; Sayre, Pennsylvania; and finally at Cape Fear Valley Medical Center in Fayetteville.

A memorial service was held at 11:30 a.m. Saturday, February 7, 2009, at Holy Trinity Lutheran Church in Raleigh, with the Rev. Dr. Royall Yount officiating. Dr. Kendall was buried at noon, Monday, February 9, 2009, at Sandhills State Veteran’s Cemetery, in Spring Lake, with full military honors. In lieu of flowers, please donate to the charity of your choice, or to Holy Trinity Lutheran Church, 2723 Clark Ave., Raleigh, N.C. 27607. 🇺🇸

Texas LLRW Disposal Compact Commission

Pete and Karen Myers

The Texas LLRW Disposal Compact Commission held its latest meeting, July 21, 2009, in Austin. The following represents some of what was discussed at the meeting:

- The Texas Compact Commission's "Volume Rule" was published for public comment in the June 26, 2009 issue of the Texas Register [Title 31 (Natural Resources and Conservation), Part 21 (Texas LLRW Disposal Compact Commission), Chapter 675 (1995-2045 Waste Volume Estimate)]. The comment period closed July 26, 2009; some comments were received. The rule establishes the Texas Compact Commission's estimate as a total waste disposed quantity from the party states of Texas and Vermont of 6,000,000 cubic feet, of which 5,000,000 would be available to generators in Texas and 1,000,000 available to generators in Vermont. There is no provision within the proposed statute or the Texas Compact (P.L. 105-236) regarding the character or classification of the waste, nor the number of curies associated with the waste, nor with the half-life of the waste, nor the form of the waste; the Texas Compact law only requires the establishment of a rule regarding the total volume of waste anticipated to be disposed of over the time frame of 1995 to 2045.
- A stakeholders meeting will be held Friday, August 7, 2009, at a location to be determined. Interested parties will be invited to discuss the Texas Compact Commission's draft rule governing export of LLRW for disposal and matters relating to importation of LLRW for management or disposal.
- Until the Texas Compact Commission rules are promulgated, in the Texas Health and Safety Code Section 3.05(7) of the Texas Compact, remain effective and binding. Organizations wishing to export LLRW to a disposal facility other than the Texas Compact disposal facility must petition the Texas Compact Commission for permission to do so. The form of an export petition is in development but, at minimum, the following information should be included:
 - Name of Petitioner and mailing address
 - Person to be contacted concerning this petition (name, title, telephone number)
 - Proposed out-of-state disposal facility
 - Person who generated the waste (name, mailing address, telephone number)
 - Effective period for which this petition is made (start date, end date)
 - Total volume of Class A low-level-radioactive waste projected to be exported during the time for which this petition is made, including the outermost container that will be disposed (in cubic units)
 - Description of waste
 - Reasons that the petition should be granted, including health and safety issues, emergency needs (if any), and the economic impact on the Petitioner if the Export Petition is denied.
 - Certifications:
 - "I hereby certify that the Petitioner is licensed (for radioactive material) and or permitted (for hazardous waste), if applicable, and agrees to receive back the waste if its management or disposal is not allowed at the proposed disposal facility."
 - "I hereby certify that to the best of my knowledge the information provided herein is accurate and correct and that the low-level radioactive waste for with this Export Petition is submitted will be packaged and shipped in accordance with applicable state and federal regulations and is acceptable for disposal at the intended disposal facility."
 - "I hereby certify that I am authorized by my company, facility, or agency to commit it to each and every obligation and condition set forth herein."
 - "The certifications should be followed with the printed or typed name of the petitioner, the signature of the petitioner, and the title of the petitioner."

The next meeting of the Commission will be held August 19, 2009, in Austin, at a location to be determined. 

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, logon 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.

*This is a "Late" News Release that should be of interest to the STC members.
See the NRC Web site for subsequent events.*



NRC NEWS
U.S. NUCLEAR REGULATORY COMMISSION
Office of Public Affairs
Telephone: 301/415-8200
Washington, D.C. 20555-0001
E-mail: opa.resource@nrc.gov
Site: <http://www.nrc.gov>

Licensing Board to Hear Oral Argument June 23-24 in Bay City, Texas, on South Texas Project New Nuclear Reactor Application

No. 09-107 • June 9, 2009

An **Atomic Safety and Licensing Board (ASLB) panel** will hear oral arguments on a request for a hearing in the South Texas Project Combined License (COL) proceeding on June 23 and 24 in Bay City, Texas. The ASLB is the NRC's quasi-judicial arm dealing with licensing matters.

Oral arguments will begin at 9 a.m. CDT on Tuesday, June 23, in Room 100 of the Main Hall in the Bay City Civic Center, 201 7th St. in Bay City. If necessary, the session will continue the next morning. The session is open for public observation, but participation will be limited to the petitioners, the applicant—South Texas Nuclear Operating Company (STPNOC)—and NRC staff involved in the proceeding. Early arrival is suggested to allow for security screening for all members of the public interested in attending. NRC policy prohibits signs, banners, posters or displays in the hearing room.

STPNOC submitted a COL application Sept. 20, 2007, seeking permission to construct and operate two new nuclear reactors at the South Texas Project site near Bay City. The NRC suspended most of its review in January 2008 in response to a STPNOC request. STPNOC provided additional information in August 2008 and the agency restarted its full review in February. A request to intervene in the proceeding was submitted by several individuals and public interest groups. The ASLB panel will hear oral argument on the admissibility of the issues raised in this filing and will determine, at a later date, whether a hearing should be granted.

Documents related to the South Texas Project COL application are available on the NRC Web site at: <http://www.nrc.gov/reactors/new-reactors/col/south-texas-project.html>. Documents pertaining to the ASLB proceeding are available in the agency's electronic document library at: <http://www.nrc.gov/reading-rm/adams/web-based.html>.

More information about the ASLB can be found at: <http://www.nrc.gov/about-nrc/organization/aslbpfundesc.html>. 

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NOTE: Anyone wishing to take photos or use a camera to record any portion of a NRC meeting should contact the Office of Public Affairs beforehand.

News releases are available through a free listserv subscription at the following Web address: <http://www.nrc.gov/public-involve/listserver.html>. The NRC homepage at www.nrc.gov also offers a SUBSCRIBE link. Email notifications are sent to subscribers when news releases are posted to NRC's Web site.

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



Kristen L. Baxendale
TSTC

Joshua Walkowicz
*Engelhardt &
Associates*

Carlos Handy
*Texas Southern
University*

Desiree R. Harwell
TSTC

Lori Siegelman
*Sustainable
Solutions*

Peter Luthiger,
*NRRT
Mestena
Uranium, LLC*



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

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 _____ Title _____
(First Middle or Initial-Optional Last) (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. **I only want *The Billet STC Newsletter* electronically**
 Yes, I am a certified health physicist. *THIS INFORMATION CAN BE UPDATED ONLINE*
 Yes, I am a registered radiation protection technologist.
 Other

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:

| | | |
|---|-----------------------|------------|
| Regular membership: | \$10/yr × _____ Years | = \$ _____ |
| Student membership: | \$ 5/yr × _____ Years | = \$ _____ |
| Student Scholarship Fund Donation (tax deductible) | | = \$ _____ |
| Science Teachers Workshop Donation (tax deductible) | | = \$ _____ |
| 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 Jay Poston 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

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- 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.

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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 Duван 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@ametec.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

NEW!

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: 281-516-9105
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 **Robert Cherry**

8005 Outer Circle Road
Brooks City-Base, TX 78235
WEB: www.earthtech.com
E: robert.cherry@aecom.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

ICx Radiation **Andrew Gaunt**

100 Midland Road
Oak Ridge, TN 37830
WEB: www.target-instruments.com
E: andrew.gaunt@icxt.com
T: 214-324-5499
F: 865-220-7181

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

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

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

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

Saint-Gobain Crystals

Dan Meldrum

1655 Townhurst Drive Suite 190
Houston, Texas 77043
WEB: www.detectors.saint-gobain.com
E: daniel.meldrum@saint-gobain.com
T: 713-973-9461
F: 713-973-6302

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

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

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

Thermo Fisher Scientific

Denny Cannon

Post Office Box 621059
Littleton, CO 80162
WEB: www.thermo.com
E: denny.cannon@thermofisher.com
T: 303-948-5001
F: 508-520-2815

Thermo Fisher Scientific

Michael Fontenot

1410 Gillingham Lane
Sugar Land, TX 77478
WEB: www.thermo.com
E: michael.fontenot@thermofisher.com
T: 713-272-4568

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

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

Save the Date!

January 9, 2010

The STC-HPS will be going to Houston!

*The topic of the day will be **Proton Therapy**.*

Presentations will be given by staff of the M.D. Anderson Proton Therapy Center—and we will even get to tour the PTC facility.

Special luncheon speaker will be Ed Maher, HPS President-Elect.

You won't want to miss this one!



Health Physics Society
South Texas Chapter
P.O. Drawer 28510
San Antonio, TX 78228-0510
ATTN: John Hageman
STCEditor@swri.org

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

FUTURE *Meetings & Deadlines*

| Date | Location | Topic | Newsletter Deadline |
|-----------------------|---------------------|--|---------------------|
| September 18–19, 2009 | Galveston, TX | Affiliates Fair & Door Prizes | July 17, 2009 |
| January 8–9, 2010 | Houston, TX | Technical Meeting & Grand Tour of M. D. Anderson's Proton Therapy Center | November 5, 2009 |
| January 24–27, 2010 | Albuquerque, NM | National HPS 2010 Midyear Meeting | NA |
| April 9–10, 2010 | College Station, TX | Student Presentations & Annual Business Meeting | February 6, 2010 |
| June 27–July 2, 2010 | Salt Lake City, UT | National HPS 55th Annual Meeting | NA |
| September 1–3, 2010 | Austin, TX | Texas Radiation Regulatory Conference | June 24, 2010 |

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