



# THE BILLET

Health Physics Society ♦ South Texas Chapter ♦ Radiation Safety Specialists

## STC-HPS Science Fair Winner on Track for 2006 Awards

Linda Morris

**H**enrietta High School sophomore Philip Pierce is well on his way to a winning record for his 2006 science fair project involving irradiated seeds.

Philip took a new tact on a popular science fair topic when performing this year's research. He looked for differences in the way that the mature irradiated and non-irradiated plants tolerated ultraviolet light as well as studying root hair cell growth, and respiration rates. His project took First Place – Overall at the Henrietta High School Science and Engineering Fair held in January. Philip was showing his project at the regional science and engineering fair in February, and if things go as planned, at the ExxonMobil Texas Science and Engineering Fair held in late March and early April in San Antonio.

Philip came to the attention of the South Texas Chapter at last year's state science fair in San Antonio. STC judges Stacy Krieger and Jim Lewis were so impressed with his project on radioactive lantern mantles that he was awarded our STC State Science Fair award: a plaque and a check for \$50. He also quickly accepted the Chapter's offer of a one-year student membership in the STC. The

national Health Physics Society offered awards for outstanding science projects involving radiation for the first time last



year, and the STC nominated Philip for this award. STC members attending the HPS meeting in Spokane, WA, were delighted to hear that Philip had been selected for this prestigious new award. It was with delight that the HPS plaque and a check for \$300 were presented to Philip and his parents at the Galveston STC meeting last September.

Philip, the son of Mr. and Mrs. Jeff Pierce, also attended the annual STC Winter Meeting in San Antonio on January 27–28, 2006. Philip and his parents drove all the way from Henrietta, which is outside of Wichita Falls, to San Antonio – more than 700 miles round trip! And Philip has already paid his 2006 dues, so we can expect to see more of him in the future.

He credits his dad with his interest in radiation. Two years ago, when Philip was in the 8th grade, his dad emailed an article to him about a motorcyclist who had taken a trip through the Chernobyl region carrying a Geiger counter. The article so interested him that he began to look into consumer radiation sources, and found out about radioactive lantern mantles. He also has his own Geiger counter and has investigated all sorts of natural phenomena such as natural radioactivity in the air. In Philip's words, "I want to know how things work." Philip has an older brother who is a student at Abilene Christian College, but Philip is interested in the radiological-health engineering program at Texas A&M University. We will look forward to having him as one of our students! ♦

## Science Teacher Workshops Being Revitalized

Al Evans, STW Coordinator and STC Executive Council Member

**I**t has been about three years since we have conducted a Science Teacher Workshop (STW). This is an important activity to which STC has committed itself. The reasons for this commitment are

numerous; a few reasons cited here are:

1. Public misconceptions about radiation and nuclear technology have been an impediment to their applications in such areas as power

production, food processing, medicine, and various industrial applications. Public education is the best way to help the public make informed judgments about matters involving our field.

2. Reaching young minds on this subject will have a long lasting positive effect.

3. Most schools' teachers have not had the opportunity to learn enough about the

*Continued on page 10.*

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**NOW AVAILABLE IN THE BILLET & ONLINE!  
HP Job Openings for South Texas**

**A**s a courtesy to our membership, the STC-HPS is offering a list of the health physics related positions available in South Texas. HPS members with a password may also go to the Employers Seeking Health Physicists page on the HPS web site for additional listings (<https://hps.org/membersonly/employment/jobs/>).

These job listings are ordered by date—the most recent to the oldest. Listings are automatically removed two months after posting unless renewed by the author.

For more information or to submit an entry for Current Openings, contact [STCEditor@swri.org](mailto:STCEditor@swri.org).

**Submission Information**

You may submit a request to post a Current Opening by emailing the information below to [STCEditor@swri.org](mailto:STCEditor@swri.org).

Positions must be related to the health physics field, and all submissions are reviewed prior to posting. This service is provided free of charge; however, we reserve the right to edit

submissions and deny posting at our discretion. Please contact [STCEditor@swri.org](mailto:STCEditor@swri.org) when a position has been filled. We want to keep our postings current.

If you wish to modify or cancel a posting, be sure to include the submission date and time.

Information required to include when submitting a request:

- ♦ Position to be filled
- ♦ Name of company
- ♦ Description of duties, responsibilities, requirements, and level of education
- ♦ How you want to receive the résumés (mailing address, fax, email address, or phone number to make appointment)

The STC webmaster is not responsible for job positions being filled and not being removed from the STC web page by the company seeking to fill the position.

If the position has not been filled in two months, the person posting the position should resubmit it to [STCEditor@swri.org](mailto:STCEditor@swri.org). ♦

**See page 11 for a current job opening  
and go to [www.stc-hps.org/hpjob.htm](http://www.stc-hps.org/hpjob.htm) often  
for updates of the most recent job openings online!**



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- (4) Telephone it to Pete Myers at 512-834-6688 ext 2209 (DSHS Office)

## President Bush Appoints John Poston to Radiation Advisory Board

*Lesley Kriewald, Texas A&M University*

*This article is reprinted from the Texas A&M Engineering News web site (<http://engineeringnews.tamu.edu/news/1274>).*

**W**ashington, DC—President George W. Bush has appointed Dr. John W. Poston Sr., professor in the Department of Nuclear Engineering at Texas A&M University, to the Advisory Board on Radiation and Worker Health.

The Advisory Board on Radiation and Worker Health was established in October 2001 in accordance with the provisions of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA), which provides for compensation to workers who contracted certain diseases as a result of exposure to beryllium, silica, or radiation while working for the U.S. Department of Energy, its contractors, or subcontractors in the nuclear weapons industry. The board advises the president on a variety of policy and technical functions required to implement and effectively manage the new compensation program.

Executive Order 13179 specifies three primary duties for the advisory board: advise the secretary of health and human services on the devel-

opment of guidelines for dose reconstructions and determination of probability of causation, advise the secretary on the validity and quality of dose reconstruction efforts performed for the program, and advise on whether there is a class of employees at any of the covered facilities who were exposed to radiation but for whom it is not feasible to estimate their radiation dose and whether there is a reasonable likelihood that such radiation may have endangered their health.

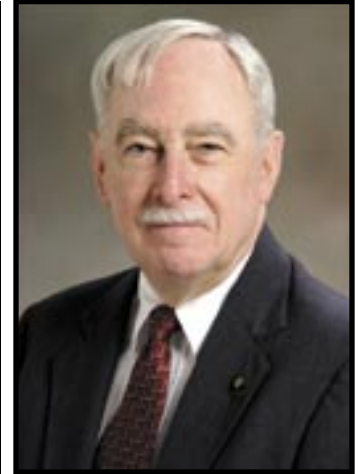
Poston headed the Dwight Look College of Engineering's Department of Nuclear Engineering from 1988 to 1998. Before coming to Texas A&M in 1985, he was an associate professor at the Georgia Institute of Technology. He has also been a researcher for Oak Ridge National Laboratory in Oak Ridge, Tenn., and a physicist for Babcock and Wilcox Co. in Lynchburg, Va.

An expert on internal and external radiation dosimetry, Poston and his colleagues at Texas A&M developed the only ABET-accredited pro-

gram in Radiological Health Engineering, which combines the basics of engineering with nuclear engineering, safety engineering, and radiation protection. He is also a researcher in the Nuclear Engineering Division of the Texas Engineering Experiment Station, the engineering research agency of the State of Texas, and a member of The Texas A&M University System.

Poston is a Fellow of the American Association for the Advancement of Science (AAAS), the Health Physics Society (HPS), and the American Nuclear Society (ANS). He is a member of the Society of Nuclear Medicine (SNM), the American Society for Engineering Education (ASEE), and the International Radiation Protection Association (IRPA).

Poston is a past president of HPS and received the society's Founders Award in 1994 for his exceptional service to the society and the nuclear engineering profession. In 1996, ASEE honored Poston with the Glenn Murphy Award, which is given annually to a distinguished educator in recognition



of outstanding contributions to the nuclear engineering discipline through teaching. He was inducted into the Georgia Institute of Technology's Academy of Distinguished Engineering Alumni in 1995. In 2005, he was awarded the HPS Robley D. Evans Commemorative Medal in recognition of his long and distinguished career.

Poston holds a bachelor's degree in mathematics from Lynchburg College and master's and Ph.D. degrees in nuclear engineering from the Georgia Institute of Technology. ♦

### STC 2006 Science Fair Participation

STC Member/Judge	Fair	Date
Susan Jablonski, David Fogle & Mike Dunn	Austin Area Science Festival	February 22–25, 2006
Linda Morris	Central Texas Science & Engineering Fair	March 2–3, 2006
Ken & Stacy Krieger & Jim Lewis	Alamo Regional Science & Engineering Fair	March 10–12, 2006
John Salsman & Alisha Stallard	Brazos Valley Science & Engineering Fair	March 20–21, 2006
Janet McCrary	Science Engineering Fair of Houston	March 23–25, 2006
Jim Lewis & Stacy Krieger	ExxonMobil® Texas Science & Engineering Fair	March 30–April 1, 2006

*This is the second in a series to highlight the Affiliates so we can learn a little about what they do. Keep our Affiliates in mind the next time you need products or services.*

# Affiliates



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**L**udlum Measurements has been serving the health physics industry since 1962. We take great pride in the fact that we are a family-owned business that has operated under the philosophy of providing quality instrumentation and service at an economical price for more than 40 years.

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**M**icrotec Services, Inc. was established in 1990. We provide sealed source leak testing services, radiation instrument sales, calibration, and repair services. We also provide radioactivity analysis services to a wide range of industries including the petroleum well logging industry, industrial X-ray, medical, chemical and refinery industries, academic institutions, and many others. We utilize automated gamma counters and LSC counters manufactured by Packard Instruments, high-resolution HPGe detectors, and low background gas-flow proportional counters for a broad range of isotopes (H-3 to Co-60) and sample sizes (filter paper, air samples, soil/sludge samples, etc).

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# Highlights



## Phoenix Scientific Sales

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**P**hoenix Scientific Sales is a manufacturer's representative for Health Physics and nuclear spectroscopy products. Phoenix covers the 11 Southern and Southwestern states from Texas and Oklahoma east through the Carolinas. Basically, Phoenix is Bill Tucker. Bill has been in the industry since 1974 working for several of the big nuclear spectroscopy companies, including 5 years working out of Dallas. In 1989, he decided that being tied to one company was not the most rewarding path and started Phoenix as an independent distribution company to represent some of the smaller companies that didn't want all the overhead of their own sales force. The first principle, Gamma Products, is still with Phoenix.

Over the years, there has been some turnover in the set of companies that Phoenix represents, but the constant and best part has always been the relationships with individual customers that evolve into friendships. The worst part is that now our friends are scattered over 11 states, and that makes it hard to see them as often as we would like.

The other pleasant development over this time frame has been the impact that technology has had on the instrument market. Trends like building instruments based on PCs and the falling cost of electronics and software has opened up the market to competition from small startup companies. These new smaller startups have been the source of most of the innovation and most of the cost reductions that we have all benefited from. In the normal progress of things, some of them are not so small any more.

Space is too tight here to list all the current Phoenix principles, so you are invited to take a look at the web site and check out some of the new things available.

If you happen to see something there that you think can help you do your job, don't be bashful, give a ring or fill out the reply form on the website so we can start or continue one of these relationship things.

## New Position Statement on Radioactive Source Control and Security

In January 2006, the Health Physics Society (HPS) released a new position statement, "Continued Federal and State Action Is Needed for Better Control of Radioactive Sources," <http://hps.org/documents/sourcecontrol.pdf>. The statement was issued because the HPS states it believes "that security of vulnerable and orphan sources, both domestic and international, is a radiation safety issue of high priority needing additional state and national attention." The

position statement is based on recommendations made by a working group of the HPS that examined the improvements in source control and security that have been made since September 11, 2001, and identified areas where further actions were needed. The working group's report, which formed the basis for the recommendations made to the Scientific and Public Issues Committee, is "Actions Needed to Better Secure Vulnerable Sources: A Contemporary Report,"

<http://hps.org/documents/SafeguardActionNeededVulnerableSources.Public.pdf>.

This new statement includes security of orphan sources within its scope, and, therefore, it supersedes an April 2002 statement addressing the need for better control of orphan sources for radiation safety purposes only.

Position statements of the HPS are issued by the Scientific and Public Issues Committee, which is composed of

*Continued on page 6.*

## Philip Pierce Update

Dear Mrs. Linda Morris,  
We just had the Region Science Fair, and I wanted to let you know that I am 1st in Botany, so I should be at the State Science Fair. Thanks again for all that you have done for me.

Philip Pierce

## Welcome New STC Members

*Susan Jablonski, Chair of the Admissions (Membership) Committee*

The South Texas Chapter (STC) wishes to welcome our newest STC members

Annie Backhaus	Student – Texas A&M University, College Station
George R. Cicotte	U.S. Air Force, San Antonio
Krystyn R. Clarke	U.S. Air Force, San Antonio
Jackson R. Crissey, Jr.	JV Industrial, La Porte
Kevin Graham	UT Health Science Center at San Antonio
Brian Harcek	U.S. Air Force, San Antonio
Otu E. Inyang	Student – Texas A&M University, College Station
Alan Stover	Baylor University, Waco
Jinkai Wang	Student – Texas A&M University, College Station
Joy Witzel	Student – UT Health Science Center at San Antonio

### New Position Statement *Continued from page 5.*

Past President Ray Guilmette (Chair), President Ruth McBurney, President-elect Brian Dodd, and President Emeriti John Frazier and Kenneth Kase.

Some of the major points about the new Position Statement include:

a. “The HPS believes the Department of State should be commended for its leadership in successfully encouraging 77 International Atomic Energy Agency (IAEA) member states (as of September 2005) to commit to adopting the IAEA Code of Conduct on the Safety and Security of Radioactive Sources (Code of Conduct).”

b. “The HPS is concerned that very few countries (11 to date, including the United States and Canada) have so far committed to implementing the import/export provisions

of the Code of Conduct by the end of 2005. The HPS believes the Department of State must continue to use all means possible to work with IAEA to get its member states to adopt and implement the import/export controls and to prevent source transactions with countries that do not have proper source controls.”

c. “The HPS commends the Nuclear Regulatory Commission (NRC), Department of Energy (DOE), and Conference of Radiation Control Program Directors for their cooperative roles in supporting the establishment of the Off-Site Source Recovery Project (OSRP).”

d. “The HPS recommends that the federal and state regulatory agencies adopt as licensing policy a requirement that license applicants for a

new use of Category 1, 2, or 3 radioactive sources examine alternative technologies including, but not limited to, different source forms that are technically and economically feasible and whose alternative use would result in an equal or greater net benefit than from the use of the source.”

e. “The HPS recommends that a requirement be incorporated into the licensing process that an acquirer of Category 1, 2, or 3 sources must provide financial surety for disposal of the sources. This financial surety could be, for example, via an escrow account under NRC control with sufficient funds to cover government or third-party costs to dispose of the sources on the license with return of remaining funds to the purchaser upon disposition of all sources and termination of the license. The establish-

ment of financial surety is consistent with the IAEA Code of Conduct.”

f. “The HPS believes congressional action is needed to authorize programs and appropriate sufficient funds on an ongoing basis to maintain a robust national capability for the recovery and disposition of vulnerable and orphan sources within the United States and abroad in order to assure the national defense and security and protection of public health and safety.”

g. “The HPS believes that the rule for import/export controls is generally consistent with the IAEA Code of Conduct and the supporting guidance and that the rule will have a very significant and positive impact on the control of international transfers of radioactive sources.” ♦

## Minutes of the Executive Council Meeting of the South Texas Chapter of the Health Physics Society, Inc.

Winter Meeting, San Antonio, Texas

January 27, 2006

Roy C. Craft, CHP, Secretary

**Persons in attendance:** *Executive Council (EC) Members:* Ken Krieger, President, Jim Sharp, President-Elect; Roy Craft, Secretary; Pete Myers, Treasurer; Stan Bravenec, EC Member; Al Evans, EC Member; Stacy Krieger, Treasurer Elect. *Committee Chairpersons:* David Fogle, Nominations Committee Chairperson; Karen Myers, Public Relations Committee Chairperson; Susan Jablonski, Admissions Committee Chairperson; Linda Morris, Student Assistance Committee Chairperson; Marty Meltz, Task force for Nuclear Training; Bob Wilson, Legislative Affairs Committee. *Chapter Members and Guests:* Alisha Stallard, David Cadena, Alta Craft, Janet McCreary, Karen Blanchard, Rane Spalding, and John White, President of the North Texas Chapter.

**Presentation from the North Texas Chapter**—John White. John W made a presentation to the Chapter of a hand bell, to call meetings to order. The gift was accepted by Ken for the Chapter.

**Call to Order**—Ken Krieger. With a quorum established, President Krieger called the meeting of the EC of the South Texas Chapter of the Health Physics Society, Inc. (STC-HPS), to order at 5:37 p.m.

**Approval of the Agenda**—A motion was made by Stan Bravenec to accept the agenda with the meeting ending time of 7:30 p.m. Jim Sharp seconded the motion. There was no discussion, President Krieger called for a vote on the motion, and the motion passed unanimously.

**Approval of Minutes of EC Meeting**—Ken Krieger. Ken asked the EC if there were any changes to be made to the Minutes of the meeting of September 8, as published in *The Billet*. A motion to accept the Minutes was made by Stacy Krieger and seconded by Stan Bravenec. There were no comments or corrections, President Krieger called for a vote on the motion, and the motion passed unanimously.

**President's Report**—Ken Krieger. Ken reported that this year is the 50<sup>th</sup> anniversary of HPS, and there will be a special session at the annual meeting for the history of HPS. We have been asked by the Program committee to design a poster that represents the history of our Chapter. Because STC is arguably the largest and most involved chapter, it would be great if we had a poster. Francis Harshaw was asked to gather information for the poster. Once we have decided on what information should be included on the poster, some volunteers will be needed to produce it.

There should be a good response from the membership; Francis has many pictures to add. The Secretary has some pictures in the files. There were questions of where the Charter for the Chapter is. We will try to find it for use on the display.

Radiation Safety without Borders (RSWB) is going to be revisited on request of Ruth McBurney and Brian Dodd. Ken received an email from Brad McRee about it and has forwarded some information to interested parties. He will make a general announcement tomorrow. Brad McRee is the chairman of the RSWB and was looking for people to participate in the committee that would review and update the RSWB documentation. Ken has the email and the RSWB guidance document if anyone is interested. Anyone interested in becoming a member of the Committee should contact Brad or Ken. They are also interested in getting Student Chapters' input, so this information should be disseminated to all interested persons and groups.

A vendor requested to take care of our credit card registration and other credit dealings. Acteva sent us some info about them and requested that we review this info and see if we are interested. Ken told them we would review this info and get back to them after the meeting. Following some general discussion on the use of the credit card this meeting, it was suggested that a committee be formed to further look into on-line payments. The discussion was also carried along into the Treasurer's report.

Ken also reported that he had prepared the Mid-Year Chapter Update Report. This report will be included in *The Billet*.

**Treasurer's Report**—Pete Myers. Pete reported that the Chapter has total assets of \$42,433.38 in the operating fund, and total assets of \$99, 143.32 on December 31, 2005. This balance is after expenditures of \$25,000 to the Neff-Poston Scholarship Fund.

Authorizations to pay submitted expenses were approved. Other expenses included \$29.94 for maintenance of the web site.

*Continued on page 8.*



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**Minutes** *Continued from page 7.*

A motion to approve these expenses was made by Roy Craft, and seconded by Jim Sharp. The motion passed unanimously.

Linda Morris has submitted expenses for Science Fair awards for state and local Science Fairs. A motion was made by Stacy Krieger and seconded by Stan Bravenec to reimburse Linda. The motion was approved unanimously.

The topic of student status was addressed. There are some that are still registering as students that are gainfully employed. It was commented that some may be part-time students while working. Some societies require some verification of status by teachers or school administrators.

Susan brought up the cost of credit card payment of membership fees. An ad hoc committee will address the overall credit card issue. Advance payments for this meeting were approximately \$1,400 paid by check, and \$1,300 by credit card.

**Secretary's Report**—Roy Craft. Roy reported that the Minutes of the September meeting of the EC were prepared and submitted to the EC via email for review. With no comments recorded, the Minutes were submitted to *The Billet* for publication. The published Minutes are in agreement with the copy submitted.

The Editors of *The Billet* should be congratulated on the continued excellence of the publication. The SwRI staff continues to produce an attractive and professional newsletter.

During this time period, some virtual meetings were conducted. One virtual meeting was about changing the date of the San Antonio meeting to February and then a meeting on which hotel to use in San Antonio. The unavailability of hotel accommodations resulted in the meeting date remaining January 27 and 28, and the Holiday Inn Market Square was selected as the meeting location. This means that for this meeting we do not have the usual visit with the President-Elect, Brian Dodd.

An attempt to generate notices and correspondence to the entire Chapter was made on various topics. The email list that Roy has is woefully inadequate. There is no mechanism for adding new members' email or mailing addresses or keeping them up to date. *The Billet* always has a notice and contact information for changing email addresses, but very few changes in address have been received. It is impossible to comply with Section 14 of the STC

by-laws that require the secretary to maintain a list of the Chapter membership.

Members' addresses and email information will soon be available on the STC-HPS web site, with anti-spam and privacy standards, password protection, and limited ability to collect email lists in place.

The nominations committee should have the ballot complete by February 21 to get the ballots to the members in the time limitations established by the By-Laws.

Dr. Meltz has distributed information and requests from the Radiological Event Preparedness Registry (REPR) for participation in the registry and for official representatives from the Chapter. A request was also printed in *The Billet*. This is a very important effort that we as Radiation Safety Professionals should support.

The American Academy of Health Physics has granted continuing education credits (CEUs) for the September 2004 Texas Radiation Regulatory Conference. The course number assigned is 2004-09-011, and 6 CECs are granted for use by CHPs in their recertification program.

**Standing Committee Reports**

**Program**—Jim Sharp. Jim reported the program for tomorrow is proceeding according to schedule. The time slots have been assigned, and everything seems to be in place. We are very fortunate to get Dr. Bacon through NASA. He is a motivational speaker that normally gets at least \$7,000 for a talk. A motion was made, and approved to cover expenses for Dr Bacon for the meeting. Roy Craft made the motion, which was seconded by Stan Bravenec.

**Future Meetings:** A schedule for future meetings was discussed. The schedule, along with deadlines for submissions to *The Billet* was discussed. The next scheduled meeting is April 21–22 in College Station for the Student Papers and the Annual Meeting. The new officers will be announced at that meeting.

Jim Sharp supplied the audio/visual equipment used during the meeting.

**Admissions**—Susan Jablonski. Susan presented the new STC Members: National Member George R. Cicotte was welcomed as a new member of the Chapter. Nine new STC Members to be voted on include Annie Backhaus, Otu E. Inyang, and Jinkai Wang, Students at Texas A&M; Joy Witzel, Student at UT Health Science Center; Krystyn R. Clarke and Brian Harcek of the U.S. Air Force in San Antonio; Alan Stover of Baylor University; Kevin Graham of the UT Health Science Center in San Antonio; and Jackson R. Crissy Jr. of JV industries in LaPorte. A motion was made by Stan Bravenec, and seconded by Jim Sharp to accept the new members. The motion carried unanimously.

**Public Relations**—Karen Myers. Karen reported that two articles were submitted for the National HPS Newsletter. One entitled "Largest STC Students Papers Meeting," Ken Krieger's article in the June 2005-issue of *The Billet*. This article appeared in the

*Continued on page 12.*

**EMAIL ALERT!**

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## Legislative Committee

### A Few Items of General Interest

Bob Wilson

#### Federal Register

**9/27/05: Page 56418** – EPA Notice of Extension of the Public Comment period on Public Health and Environmental Radiation Protection Standards for Yucca Mountain.

The comment period is extended until November 21, 2005, and an additional hearing is scheduled for October 6, 2005, in Las Vegas.

**9/27/05: Page 56509** – The U.S. Nuclear Regulatory Commission (NRC) amends the licenses of certain identified licensees to impose certain requirements related to security. The licensees are those who currently possess, or have near-term plans to possess, greater than 370 terabecquerels (10,000 curies) of byproduct material in the form of sealed sources.

**9/29/05: Page 56940** – Notice that comments are invited to the draft of Supplement 1 to NUREG 1757, which is titled “Consolidated NMSS Decommissioning Guidance: Updates to Implement the License Termination Rule Analysis.” Draft Supplement 1 provides proposed additions and updates to guidance addressing restricted use and institutional controls, on-site disposal of radioactive materials, scenario justification based on reasonably foreseeable land use, intentional mixing of contaminated soil, and removal of material after license termination. Comments are requested by December 30, 2005.

**10/27/05: Page 61885** – Notice that NRC is amending its regulations to conform with the requirements of the Energy Policy Act of 2005, including changes to comply with Congress’s prescribed increase in the amount of the required annual financial contributions required from commercial reactors, in the event of a nuclear accident, to pay for third-party liability under the Price-Anderson Act. Another revision provides Congress’s accommodation for modular reactors to permit a defined combination to be considered a single reactor for determination of financial obliga-

tions as well as other revisions related to anti-trust reviews of future applications to construct or operate a nuclear reactor.

**11/01/05: Page 65935** – An announcement of a public meeting for discussion of regulations that will be proposed to expand the definition of byproduct material to include discrete sources of Radium-226, accelerator-produced radioactive material, and discrete sources of naturally occurring radioactive material other than source material produced, extracted, or converted after extraction for use for commercial medical or research activities to comply with the Energy Policy Act of 2005. The meeting is scheduled for November 9, 2005, at NRC offices in Rockville, Maryland. The purpose of the meeting is to solicit input from stakeholders on regulation of NARM.

**11/04/05: Page 67098** – Notice of an extension of the comment period on NRC’s Yucca Mountain Standards Rule that would implement EPA’s proposed standards for dose that could occur after 10,000 years. The comment period is extended to December 7, 2005.

**12/01/05: Page 72128** – In an Order dated December 1, 2005, and effective immediately, certain licensees authorized to possess radioactive material quantities of concern were required to impose increased controls to reduce the risk of unauthorized use of radioactive materials. The controls to be instituted include access controls to aid the prevention of unauthorized use of materials and prompt detection, assessment, and response to ameliorate potentially high consequences that could be detrimental to public health and safety if the radioactive material were improperly appropriated. The list of companies to which the Order applies was not published in the *Federal Register*. I assume those companies know who they are.

**12/20/05: Page 75423** – NRC requests comments on an Organization of Agree-

ment States petition for rulemaking. The petition requests that NRC amend its regulations to require specific licensing for devices that are currently regulated by a combination of general licensing and registration and also requests that the compatibility category for the rules at 10 CFR 31.6 be changed from a category “B” to “C.” The rationale stated in the notice is that the petitioner believes the actions are needed to establish a higher national standard of regulation for higher risk generally licensed devices and to allow retention of a tool used by agreement states to track the location and movement of device manufacturers and service providers in their state. The notice states that comments on the proposal, which is available in NRC’s electronic reading room, are due by March 6, 2006.

**12/28/2005: Page 76724** – NRC has published notice of a petition for rulemaking and is seeking public comment on a proposal, dated November 3, 2005, filed with NRC by Barbara Hamrick, chair of the Organization of Agreement States. This petition requests that NRC amend its regulations to require that any individual receive at least 40 hours of radiation safety training before using sources of radiation for industrial radiography, clarify the requirements for at least two individuals being present at a temporary job site, and clarify how many individuals are required to meet surveillance requirements. The petition also requests that NUREG-1556, Volume 2, be revised to reflect the performance-based changes in the proposed amendments. Comments on the petition for rulemaking are to be submitted to NRC by March 13, 2006. Any publicly available documents on the petition are available electronically in NRC’s electronic reading room.

**01/03/2006: Page 29** – NRC announced the availability of a web page for the rulemaking titled “expanded definition

*Continued on page 18.*

**Science Teacher Workshops** *continued from page 1.*

subject to be able to pass on the fundamentals to their students and to answer questions.

4. In most communities, members of the public will turn to their educators for information about the current issues concerning radiation and nuclear technology.

5. There is a growing career opportunity in industry for health physicists, nuclear engineers, medical physicists, and X-ray technicians. Presenting fundamentals about radiation technology should help generate a career interest in many students.

6. Public education about radiation would help to reduce the fear and panic generated by threats of radioactive and nuclear terrorism.

Each STW is a six-hour course in which we present fundamentals and history of radiation science, cellular biology, and radiation effects, man-made and natural radiation in modern life, radioactive waste management, and fundamental radiation safety/health physics. We need three or four team members for each workshop, for five hours of lectures and a one-hour demonstration session involving use of a Geiger

counter (the old CDV-700s). Each teacher is given a Geiger counter to take for use in their science classes, together with a CD of the lectures and hard copies of the graphics.

Previously, STWs were scheduled on Saturdays to accommodate students and the teaching team. However, there may be a need to have weekday or evening sessions if teachers find a Saturday schedule inconvenient. We are, therefore, asking interested persons if they could be available for evening or weekday sessions as well as Saturdays. We will try to organize teams

to minimize travel requirements. However, there is STC money available to cover some travel needs, such as lodging and gas.

The need to revitalize and continue this program was agreed to at the September 2005 meeting. EC member Al Evans has agreed to coordinate it. In San Antonio, a 6-point program was presented to revitalize the STWs:

1. Survey the STC membership for interest in participating
2. Break into groups of 3 or 4 members to minimize travel requirements
3. Inventory instruments; arrange for repair and calibration and storage
4. Inventory teaching materials and update as necessary
5. **Conduct a promotional campaign.** We need to contact all levels of school and Science Teacher Groups' management, including state and regional officials, school superintendents, principals, and science teachers themselves. It is suggested that we try to go where science teachers congregate such as regional meetings of the American Association of Physics Teachers and the American Physical Society.

Please indicate your willingness to participate in the Science Teacher Workshops by submitting the attached form to Al Evans at the address below, either by email or ordinary mail.

Albert E. Evans  
 STW Coordinator  
 1102 Springdale Court  
 Sugar Land, TX 77479  
 E: albrtalev@aol.com  
 T: 281-937-9413 ♦

**South Texas Chapter - Health Physics Society  
 Science Teacher Workshop  
 STC Membership Interest Survey**

*Form Available Online*

*Please Print*

Name \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_ Email \_\_\_\_\_

Prior Experience with STWs \_\_\_\_\_

Member: South Texas Chapter  Y  N National HPS  Y  N

Occupation/Employer \_\_\_\_\_

Will you teach: Saturdays  Y  N Weekdays  Y  N Evenings  Y  N

- Prefer to Teach (check all appropriate):
- Fundamentals of Radiation
  - Cellular Biology and Radiation Effects
  - Exposure to Radiation in Modern Life
  - Radioactive Waste Management
  - Radiation Safety/Health Physics

Comments \_\_\_\_\_

Send to: Albert E. Evans  
 albrtalev@aol.com  
 or 1102 Springdale Court  
 Sugar Land, TX 77479

# HP Job Openings for South Texas

## Current Openings

### Environmental Health & Safety (EHS) Leader, Radiation Safety Program

The University of Texas Medical Branch

**The University of Texas Medical Branch (UTMB) in Galveston**, a leading academic health sciences center located on the Texas gulf coast, is searching for an interested and enthusiastic candidate to join our organization as EHS Leader, Radiation Safety Program.

UTMB's 13,000 faculty and staff have a well-earned reputation for meeting the health needs of Texas by educating future healers and scientists, advancing medical knowledge through research, and providing innovative health care programs and patient care services.

The **EHS Leader, Radiation Safety Program** is responsible for planning, directing, and managing the UTMB Radiation Safety Program, which includes radioactive materials, X-rays, and lasers, under senior management direction. He/she will evaluate the personnel within the radiation safety function of UTMB and provide leadership direction to the management. This EHS Leader will review and incorporate radiation protection standards as promulgated by all regulating agencies. He/she will serve on safety committees at the institution and throughout the UT system.

Candidates must have a Bachelors Degree in Health Physics, Nuclear Engineering, Chemistry, or a related field and 7 years of related experience including 3 years of management experience.

Preferred qualifications include one or more of the following: Masters Degree in Health Physics, Nuclear Engineering, Chemistry or a related field; Certified Health Physicist; Certified Laser Safety Officer; or Texas Licensed Medical Physicist.

Please submit a letter of interest and résumé to: **Michelle A. Baehl, UTMB/The Woodlands Office, 110 Spring Mist Place, The Woodlands, TX 77381. Fax 936-321-0758 or email: mabaehl@utmb.edu.** You can also apply on-line at [www.utmb.edu](http://www.utmb.edu); the requisition number is #061305.

Galveston is located on a barrier island approximately 50 miles south of Houston, the fourth largest city in the United States. Galveston is known for its historical architecture, including Victorian-era homes.

UTMB is an equal opportunity, affirmative action institution, which proudly values diversity. Candidates of all backgrounds are encouraged to apply. ♦

**Go to [STC-HPS.org](http://STC-HPS.org) often for updates of the most recent Job Openings online!**

### Old Shipping Labels

Scott Pennington of the University of Texas at Austin, the Longhorns, the National NCAA Football Champions, found these old labels that have been used in the past to mark containers of radioactive material. Scott is *The University's* Radiation and Laser Safety Officer and their Assistant Director of Environmental Health and Safety. Thanks, Scott, for sharing this bit of history with the South Texas Chapter. The Editor. ♦



**Minutes** *Continued from page 8.*

December 2005 HPS issue. One photo was submitted, courtesy of Karen Myers, picturing John Salsman receiving the Past-President's plaque from Ken Krieger. The second article entitled "STC-HPS Fall Meeting Highlights Affiliates, Industrial Use and Security," was a combination of Jim Sharp's article in *The Billet* about the Galveston meeting and Stacy Krieger's article about Philip Pierce, 2005 ExxonMobil® Texas Science and Engineering Fair winner. This article will appear in the February 2006 HPS issue. One photo was submitted, courtesy of Karen Myers, picturing Linda Morris presenting Philip with a plaque and a check for \$300. Philip and his family are registered for this meeting also. He seems very interested in Health Physics.

The staff at STCEditor@swri.org was contacted to see about updating photos for the STC-HPS website. Photos submitted to the web site include a series of photos taken at the Galveston meeting, courtesy of Karen Myers.

Continued planned activities include:

1. Continuing articles for the National HPS Newsletter on STC-HPS activities. (Chapter meeting news)
2. Continuing articles to *The Billet*. (Jump start the Longest-standing continuously-active members)
3. Mention of starting a Past-President's article of "where are the old goats now?"

**Nominations**—David Fogle. David stated that he already has two EC members lined up for the forthcoming Chapter election. It was also noted that a new Secretary was also needed to fill the ballot. We need to consider nominations for National Offices, as well as award nominations. Two memos have been sent out to the membership, and an article was published in the December edition of *The Billet* requesting both National officers and national awards to be submitted. So far there have been no responses received.

**Appointed Committee Reports**

**Science Teacher Workshop**—Al Evans. Al stated that the need to revitalize the Science Teacher Workshop program was discussed and agreed to at the September meeting, as was the need for a program chair. Pending formal action on this item, the following plan of action is proposed:

The STC Chapter membership should be canvassed to find out how many members are still interested. Add to membership application if they are interested in working on the STW program. John Hageman will add this to the membership Renewal/Application form. In addition, a mail-out or email questionnaire can be sent out to document continued interest in the Program. Al would then propose to break down the interested group into teams of three or four teachers, clustered to minimize necessary travel and give everyone on a team a chance to present material. Each team would be headed by an experienced member. There were comments that past experiences indicate that working with the Science Teacher Association is necessary for maximum participation. However, some individual rural School Districts might have to be contacted individually.

Al also said that we need to inventory our instruments: those ready for issue, those needing repair or calibration, and those good only for parts. We need to renew the arrangement for servicing the instruments, obtaining "new" batteries, and storage. We also need to search for additional units, possibly 100 counters per year. We may need to look into buying new Geiger counters if the old Civil Defense supply is depleted. There were comments that there are many sources of instruments available from National and from ANS. But we do need to contact Steve Legler about the status of instruments that were in Eva's office. Ken will email Steve.

Our supply of teaching materials (notebooks, pages for notebooks, CDs etc) needs to be located and assessed.

**Our biggest need is a promotional campaign.** We need the help of the powers that be in Austin, in addition to a letter-writing campaign to district school superintendents, principals, and science teachers themselves. Some of our teams could consist of retired persons or people who could be available on weekdays. Perhaps some evening classes would be appropriate. It is suggested that we try to go where science teachers congregate, such as regional meetings of the American Association of Physics Teachers or the American Physical Society. Al is looking for contacts.

Al suggested we examine our budget, to determine whether or not we could cover a part of individual travel expenses (e.g., hotel bills and or mileage for team members) and also whether purchase of instruments for handout would be possible. The response was that we have done so in the past and will continue to do so.

Al pointed out that there was not a place to volunteer to work with the STW Committee on the Membership application form. John Hageman will make corrections to the form in *The Billet*.

Al will write a questionnaire and send it to the Secretary to be sent out to the membership to verify commitments for the Science Teacher Workshop program. The form is to be returned to Al so he can plan workshops.

**Affiliate Membership**—Andrew Pitts. Jim Sharp reported that Andrew was unable to attend the meeting but had done a good job with the Affiliate Membership. Including the Affiliates Highlights in the December edition of *The Billet*.

Andrew submitted a report via email. A total of 4 paid Affiliates for 2006. 2005 had a total of 28 paid Affiliates. The lack of paid Affiliates could be because the Affiliates Fair was held in late 2005. Earlier in the year, Susan Jablonski sent out an email reminding Affiliates of their 2006 dues. Before the Affiliates will be spotlighted in *The Billet*, they will be tactfully reminded of their dues.

An up-to-date listing with names and contact information is in the process of being updated.

The next 10 Affiliates will be spotlighted in the next edition of *The Billet*.

**Legislation**—Bob Wilson. Bob submitted a summary of some items of interest from the *Federal Register* to the EC. The summary

*Continued on page 17.*

South Texas Chapter of the Health Physics Society, Inc.  
**Student Paper Presentations  
 Officer Installation &  
 Annual Business Meeting**

with  
**An Address by  
 Brian Dodd, National HPS President-Elect**

**April 21–22, 2006**

*College Station, Texas*

*Registration Deadline is April 11, 2006*

**O**ne of the basic missions of the Health Physics Society (HPS) is to help the next generation gain an interest in the area of Health Physics. To accomplish this, the South Texas Chapter (STC) will hold the Annual Student Papers meeting in College Station, Texas, April 22, 2006, at the Texas A&M University Rudder Tower. Parking is available for \$6.50 per day in the parking garage across the street from Rudder Tower.

This Spring Meeting of the STC-HPS is the meeting in which students from colleges in San Antonio, Austin, Houston, College Station, Waco, and the surrounding areas compete for the R.D. Neff Memorial Student Award for best paper in class. The awards are \$100 each for the undergraduate, graduate, and associate degree categories. The students will be able to present their projects and practice their presentation skills in a professional and positive feedback environment.

During the lunch break, to benefit attendees and to be in accordance with Article V, Sections 12 and 15,

◆

***The students will  
 be able to  
 present their projects  
 and practice  
 their presentation skills  
 in a professional  
 and positive feedback  
 environment.***

◆

President Ken Krieger will present a comprehensive report on the “State of the Chapter,” and Treasurer Pete Myers will report on the Chapter financial status.

We will cap off the afternoon with a presentation by Brian Dodd, the National HPS President-Elect, who will talk about the IAEA and Control of Radioactive Sources, followed by Installation of the new Chapter officers, and a presentation to outgoing President Ken Krieger.

The newly elected STC officers will also be announced.

The hotel will be the Ramada Inn, 1502 Texas Ave., College Station, at a rate of \$63 for Friday night, April 21. Limited government rates are available. A block of 20 rooms have been reserved under the name “South Texas Chapter.” Make your reservations early. Call 979-693-9891 to make your reservation.

The Executive Council meeting will be held Friday, April 21, from 5:30–7:30 p.m., at the TAMU Environmental Health and Safety Department offices, 1111 Research Parkway, Suite 244. ◆

### ***4.5 CEUs Awarded for LMP & MRT Certifications***

***Applications for Student Assistance Education Grants for 2006–2007 must be sent to Linda Morris by May 24, 2006. The forms can be found on pages 19 and 20 and at [www.stc-hps.org/student.htm](http://www.stc-hps.org/student.htm).***

## **Agenda for the Student Paper Presentations Officer Installation & Annual Business Meeting**

**Friday, April 21, 2006**

*Environmental Health and Safety Department  
1111 Research Parkway, Suite 244  
Texas A&M University*

5:30–7:30 p.m.            Executive Council Meeting

**Saturday, April 22, 2006**

*Texas A&M Rudder Tower, Room 301*

8:00–8:20 a.m.            Registration and Continental Breakfast (or whatever is arranged)

8:20–8:30 a.m.            Welcome and Introductions – Ken Krieger, President

8:30–10:00 a.m.           Student Presentations

10:00–10:30 a.m.        Break and Professional Networking – Coffee, Assorted Teas, and Baked Goods

10:30 a.m.–12:00 p.m.    Student Presentations

12:00–1:30 p.m.        Lunch and State of the Chapter Address – Ken Krieger, President  
Memorial Student Center, Room 201 (connected to Rudder Tower)  
Menu: Salad with Dressing, Chicken Parmigiana, Fresh Seasonal Vegetables,  
Aggie Rolls and Butter, Cobbler (Apple and Peach), Iced Tea, and Coffee

1:30–3:00 p.m.            Student Presentations

3:00–3:30 p.m.            Break – Snacks, Coffee, and Sodas

3:30–4:15 p.m.            Brian Dodd, National HPS President-Elect, “The IAEA and Control of  
Radioactive Sources.”

4:15–4:30 p.m.            Installation of New Chapter Officers, Report on the Chapter Financial Status  
by Treasurer Pete Myers. Presentation to the Outgoing President

Announcement of newly elected Chapter officers by David Fogle

4:30 p.m.                  Adjournment by new Chapter President, Jim Sharp

## Meeting Registration

*Please submit a Meeting Registration form for each member or guest attending the meeting and mail to the address below.*

### Student Paper Presentations Officer Installation & Annual Business Meeting

**April 21–22, 2006**

*College Station, Texas*

## Registration

*Hotel Registration Deadline — April 11, 2006 ♦ STC Preregistration Deadline — April 11, 2006*

Attendee's Name \_\_\_\_\_

Attendee's Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

- STC Member preregistration fee (technical sessions and lunch) - \$40
- STC Member preregistration fee (technical sessions ONLY) - \$25
- Non-STC Member preregistration fee (technical sessions and lunch) - \$50\*
- Non-STC Member preregistration fee (technical sessions ONLY) - \$35\*
- Non-STC Member (e.g., spouse/guest) preregistration fee (lunch ONLY) - \$25\*
- Students Presenters - FREE**
- Students not presenting (technical sessions and lunch) - \$10
- Registration (after April 11, 2006, or onsite if space or lunch is available) - ADD \$10 to the above fees.  
If contemplating onsite purchase of meals, meeting space and meals cannot be guaranteed on the day of the meeting.
- Need a receipt for this meeting
- Need CEU certificate

**Mail this registration with your check OR To pay by credit card** (Visa®/MasterCard®/AmericanExpress®/Discover®), transmit (made payable to the STC-HPS) to arrive your credit card number, expiration date, and authorized payment to the STC-HPS before April 11, 2006, to: Treasurer, before April 11, 2006, choosing one of the following methods:

STC-HPS  
Post Office Box 201723  
Austin, TX 78720-1723  
T: 512-834-6688 Ext. 2209  
F: 512-834-6690

- Include it on the Meeting Registration form
- Email it to [pete.myers@dshs.state.tx.us](mailto:pete.myers@dshs.state.tx.us)
- Fax it to Pete Myers at 512-834-6690 (DSHS Office)
- Telephone it to Pete Myers at 512-834-6688 ext 2209 (DSHS Office)

Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signature \_\_\_\_\_

**Preregistration will close April 11, 2006.** If you will not be able to attend the meeting, please call and cancel your reservation **PRIOR TO APRIL 11, 2006**. Any reservations **not cancelled by April 11, 2006**, will be regarded as confirmed reservations, and funds will be collected for the meeting. Refunds will be honored only for cancellations made before April 11, 2006. Registration fees collected after April 11, 2006, or at the door, if available, will be \$10 extra.

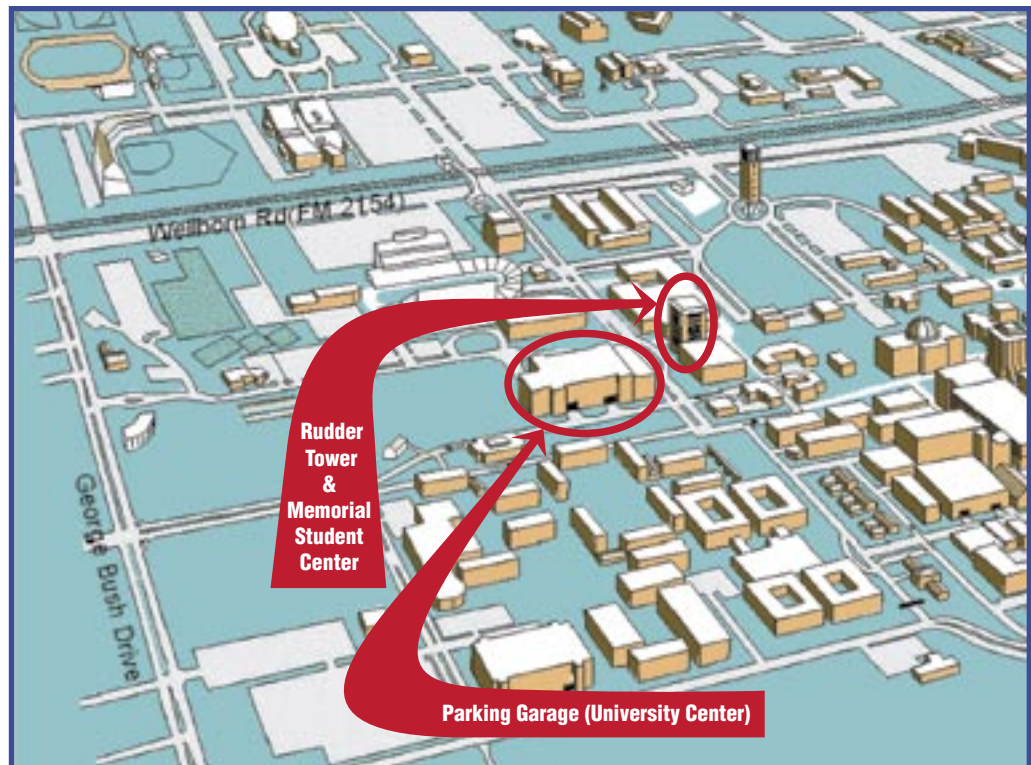
\*Nonmembers may select the option of applying for South Texas Chapter - Health Physics Society membership at the meeting and enjoy privileges of membership at future Chapter events.

## Map to Rudder Tower & Memorial Student Center & Parking

### Directions

**From Austin & San Antonio:** Take IH-35 North to Hwy 290 East to State Route 21. East on State Route 21 to Hwy 47 (on outskirts of Bryan near Texas A&M Riverside Campus). Head east on Hwy 47 (which will eventually become Hwy 60 or University Drive). Past Easterwood Airport exit, veer to the right onto West By-Pass (2818). Turn left at stoplight onto George Bush Drive. Continue northwest on George Bush Drive to Houston St. (2nd stoplight). Turn left on Houston St. to enter the University Center Parking Garage.

**From Houston:** Take Loop 610 South/West. Take the Highway 290 exit (towards Austin). Stay on Hwy 290 until you reach Hwy 6 (just north of Hempstead). Turn right onto Hwy 6 North all the way to College Station. Near College Station, continue north on BUSINESS 6 (Texas Ave.) to George Bush Drive. Turn left onto George Bush Drive. Continue west on George Bush Drive to Houston Street (3rd stoplight). Turn right on Houston St. to enter the University Center Parking Garage.



## Accommodations

### Ramada Inn College Station

1502 Texas Ave. ♦ College Station, TX 77840 ♦ 979-693-9891 ♦ Fax: 979-696-1334

**T**he Ramada Inn College Station is one mile from Texas A&M University. A block of 20 rooms has been reserved for Friday, April 21 for \$63, single or double. Make your reservations early. They have a limited number of govern-

ment rates available if you require it.

The conveniently located hotel offers 167 guest rooms, 4 suites, 5 floors, interior corridor, complimentary Continental breakfast, free airport shuttle service, outdoor pool, and Texas-shape

Jacuzzi, on-site bar, business center, safety deposit box available at front desk. The rooms offer single king, double-double, and double queen rooms, coffee makers, HBO, and local calls, connecting rooms, baby cribs, USA Today morning news-

paper, hairdryer, wireless high-speed internet access, iron/ironing board, AM/FM alarm clock, micro/fridge, rollaway bed, nonsmoking and smoking rooms, copy/fax service, laundry service, and voice mail. Pets welcome for nominal fee. ♦



**Minutes** *Continued from page 12.*

report includes many items of interest to the STC. The complete report will be emailed to those on the Secretary's mailing list and included in *The Billet* (see page 9).

Bob is to be thanked for providing this valuable service to the Chapter.

Some items of interest include:

- The University of Texas at the Permian Basin and General Atomics Corporation of San Diego, California, are exploring the idea of installing a Very High Temperature Test Reactor in Andrews County
- 25 TAC 143.4 had been amended to increase fees assessed against licensed medical radiologic technologists among other things.
- NRC notes that the Texas Agreement State program is adequate but needs improvement. NRC is continuing the Texas program in "heightened oversight."
- Waste Control Specialists submitted a request for an amendment that would allow "very low-level radioactive material" that the U.S. Nuclear Regulatory Commission (NRC) has exempted from its regulations to likewise be treated as exempt material in Texas.
- NRC published a request for public comment to the inter-agency task force charged with source integrity and security. This will be an important topic for hospitals and industrial users. There should be an effort for interested persons to comment on this topic as it will affect many users. The HPS has recently added an Official Position Statement on Source Security. The web site is [hps.org/documents/sourcecontrol.pdf](http://hps.org/documents/sourcecontrol.pdf).

It was suggested that there should be a Chapter initiative to advise hospitals and others about potential changes to the source security and emergency plans to recover from source loss. The comments to the NRC are due by February 10, so there is not much time to spread the word.

**Publications**—John Hageman. John H had submitted a table with current meeting plans and the upcoming deadlines for *The Billet*. Discussions were held about completing the information on the table. At John White's suggestion, the September meeting will be a joint meeting with the North Texas Chapter. The actual date and topic for the meeting will be determined later. The balance of the meetings was assigned on the general rotation order. There were some discussions of having a meeting in Mexico to facilitate the Radiation without Borders program. The current schedule, as now envisioned, is included in the issue of *The Billet*.

**Student Assistance Committee**—Linda Morris. Linda reported that Donnie Broussard, a second year TSTC student was presented with the Associate Degree Education Grant. A TAMU graduate student, Alisha Stallard was awarded the Graduate Student Grant. Both students were present at the Galveston meeting in September for the presentation.

The first Neff-Poston Scholarship from the STC was awarded to a senior Radiological Health Engineering student Vaiva Turner. The award was presented at the Nuclear Engineering (NE) Department Academic banquet this past September. Ms. Turner sent a letter of appreciation to the Chapter.

The application form on the web site needs to be changed to reflect the current scholarship funds available. The Neff-Poston is endowed at TAMU and will go to a TAMU student. The reference should be for the bachelor degree and direct potential candidates to the TAMU NE Department. John H will have changes made.

There were discussions about the scholarships and criteria for awards and comments that the guides should include some that were not already on scholarships, and those that didn't have great grades because they were working.

The Science Fair season is getting underway. Linda brought the plaques and award letters for this season to the meeting. The Charts of the Nuclides have been ordered and will be mailed to the judges. Linda had received responses from members via an email posting. It is interesting to note that the list of volunteers looks the same as the past year. The schedule is included in *The Billet* (page 3).

**Ad Hoc Task Force on Nuclear Training Endeavors**—Marty Meltz. Marty reported the main focus of activity has been the preparation and distribution of the Radiological Event Preparedness Registry (REPR), whose initial development was co-funded by the STC-HPS. As of January 27, 2006, there were 34 applications; 32 have been confirmed. Of the two remaining, one applicant was emailed to submit more information, and the other is pending a reference check. Of the 34, 27 are registered as Radiation Experts and 5 as Institutional Representatives. There are 24 from Texas and others from 9 other states.

Board activity needed: Designate National Administrator and State Administrators of the database from members of the Chapter. Ken Krieger and Roy Craft were accepted as National Administrators, and John Salsman and Susan Jablonski were accepted as State Administrators.

The main emphasis now should be to market and advertise the availability of the database to the local community response services. Some training on how to use this database needs to be given to the community. A handout was prepared for distribution at this meeting.

Presentations have been made to the National HPS, and an update will be presented at the National meeting. The National VA is working for Department of Homeland Security, and Stan Bravenec is working on VA participation internally. A proposal was submitted to the Southwest Texas Regional Advisory Council for Trauma (STRAC) in San Antonio for an additional \$17,000 of Health Resources and Services Administration (HRSA) funds.

**New Business**—Ken Krieger will contact Dr. Ford of TAMU about the program we have in support of student presentations. We feel that formal presentations are an important part of technical education processes.

**Adjournment**—President Krieger adjourned the meeting at 7:30 p.m. ♦

**Legislative Committee** *Continued from page 9.*

of byproduct material” also known as the “NARM rulemaking.”

**01/04/2006:** Page 275 – NRC published a proposed rule that would amend its regulations governing the use of byproduct material. The proposal would revise requirements for reporting transfers to persons exempt from licensing, simplify the licensing of smoke detector distribution, remove obsolete provisions, and clarify certain regulatory provisions. The summary notes the changes would affect licensees who distribute byproduct material to exempt persons and users of some generally licensed devices. Comments are due by March 20, 2006.

**01/11/2006:** Page 1776 – NRC published a request for public comment to the interagency task force charged with duties to evaluate and make recommendations on the protection and security of radiation sources. There are specific issues identified in the notice such as the topic of listings of radiation sources requiring security based on potential attractiveness of the source to terrorists and the extent of

the threat to the public health and safety, the topic of a national system for recovery of lost or stolen radiation sources, that of storage of radiation sources that are not used in a safe and secure manner, a national source tracking system for radiation sources, a national system to provide proper disposal of radiation sources, import and export controls on radiation sources to ensure recipients of radiation sources are able and willing to adequately control radiation sources, procedures for improving the security and control for use and storage of radiation sources, procedures for improving the security of transportation of radiation sources, background checks for individuals with access to radiation sources, and alternative technologies. The comment on these topics expires February 10, 2006, although the notice states that comments received after that date will be considered if it is practical to do so.

**State Regulatory Activities**

Request for a Rule Amendment: In a letter dated October 19, 2005, Waste Control Specialists submitted a request for an amendment to State’s Rules controlling radiation that, if adopted, would allow “very low-level radioactive material” that the NRC has exempted from its regulations to likewise be treated as exempt material in Texas. The request was on the agenda for discussion at the Texas Radiation Advisory Board meeting scheduled for November 5, 2005.

On January 27, 2006, there were notices in the *Texas Register* that 25 TAC 143.4 had been amended to increase fees assessed against licensed medical radiologic technologists for certificates of renewal without any changes from those in the proposal published on October 21, 2005, and that changes to 25 TAC 289.204 have been adopted with changes from the text published on October 21, 2005. Among other things, the amendment in Section 204 increases fees.

**Other News**

The University of Texas at the Permian Basin (UTPB) issued a press release in October, 2005, reporting that UTPB and General Atomics Corporation of San Diego, California, are exploring the idea of installing a Very High Temperature Test Reactor in Andrews County. General Atomics is the parent of Rio Grande Resources. At this point, there are only discussions of a concept and a testing of public perceptions and reactions to the idea.

In a letter dated December 27, 2005, from Martin J. Virgilio of NRC to Mr. Richard Bays at the Texas Department of State Health Services, NRC notes that the Texas Agreement State program is adequate but needs improvement and also needs to be made compatible in some respects with NRC’s programs. Therefore, NRC is continuing the Texas program with “heightened oversight.” The initial decision to place the State on heightened oversight was based on concern with staff turnovers, status of inspections, timeliness of reporting events, and status of regulations within the department. ♦



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## South Texas Chapter - Health Physics Society Student Education Grant Application

**Associate\*/Graduate Degree  
Academic Year: 2006–2007**

*Form Available Online*

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 2005. ***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, 2006**. 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. The application below and all other supporting materials should be mailed to:

Linda Morris, Chair  
Student Assistance Committee, STC-HPS  
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 2005 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 2005–August 2006. 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. Marvin Adams 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.

*(Page 1 of 2)*

**South Texas Chapter - Health Physics Society  
Student Education Grant Application**

*Financial Information – September 2005–August 2006*

*Form Available Online*

*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

<b>Income</b>	<b>\$/month</b>	<b>Expenses</b>	<b>\$/month</b>
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			
<b>Loans (list):</b>			
Loans Total			

## South Texas Chapter - Health Physics Society Member Renewal/Application

*Form Available Online*

*Please print – This information is used for mailing labels and directory listing.*

Name _____	Business Name _____
Home Address _____	Business Address _____
City _____	City _____
State _____	State _____
Zip _____	Zip _____
Home Phone _____	Business Phone _____
Home Fax _____	Business Fax _____
Email _____	

I only want *The Billet* electronically.  
 I would prefer to receive mail at:    Home    Business  
 I would prefer to receive calls at:    Home    Business  
 Yes, I am a National HPS member.  
 Yes, I am a Certified Health Physicist.  
 Yes, I am a Registered Radiation Protection Technologist.

I would like to be a Meeting Mentor  
 My interest or area of expertise is: \_\_\_\_\_

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

<input type="checkbox"/> Nominating	<input type="checkbox"/> Meeting Program	<input type="checkbox"/> Admissions (Membership)	<input type="checkbox"/> Publications
<input type="checkbox"/> Legislation	<input type="checkbox"/> Public Relations	<input type="checkbox"/> Affiliate	<input type="checkbox"/> Other/Ad Hoc
<input type="checkbox"/> Student Assistance	<input type="checkbox"/> Science Teacher Workshop		

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

STC-HPS dues for the year:

Regular membership:	\$ _____/yr × _____ Years	= \$ _____
Student membership:	\$ _____/yr × _____ Years	= \$ _____
Student Scholarship Fund Donation (tax deductible)		= \$ _____
Science Teachers Workshop Donation (tax deductible)		= \$ _____
Total Enclosed		= \$ _____

**Please mail this form with your check or money order to:**  
 Susan Jablonski  
 Admissions (Membership) Committee Chair  
 14904 Haley Hollow  
 Austin, TX 78728  
 E: SJABLONS@tceq.state.tx.us  
 T: 512-239-6731  
 F: 512-239-5151

**To pay by credit card** (Visa®/MasterCard®/AmericanExpress®/Discover®), transmit your credit card number, expiration date, and authorized payment to the STC-HPS Treasurer, choosing one of the following methods:

Include it on the Member Renewal/Application form  
 Email it to [pete.myers@dshs.state.tx.us](mailto:pete.myers@dshs.state.tx.us)  
 Fax it to Pete Myers at 512-834-6690 (DSHS Office)  
 Telephone it to Pete Myers at 512-834-6688 ext 2209 (DSHS Office)

Number \_\_\_\_\_ Expiration Date \_\_\_\_\_

Signature \_\_\_\_\_

## SOUTH TEXAS CHAPTER - HEALTH PHYSICS SOCIETY—2006 AFFILIATE ROSTER

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 Warbiano  
17650 Duvan Drive  
Tinley Park, IL 60477  
WEB: www.adcoservices.com  
E: lenw@adcoservices.com  
T: 800-282-2326  
F: 708-429-9759

**Alpha Neutronics, Inc.**

Andrew Pitts  
11543 Trickey Road  
Houston, TX 77067-3406  
WEB: www.alphaneutronics.com  
E: admin@alphaneutronics.com  
T: 281-872-0075  
F: 281-872-0075

**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

**Berthold Technologies, LLC**

Darrell Scoggins  
99 Midway Lane  
Oak Ridge, TN 37830  
WEB: berthold-us.com  
E: Darrell.scoggins@bertholdtech.com  
T: 865-483-1488  
F: 865-425-4309

**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.**

Andrew Gaunt  
Post Office Box 721352  
Dallas, TX 75372-1352  
WEB: www.canberra.com  
E: agaunt@canberra.com  
T: 214-324-7700  
F: 203-235-1347

**Earth Tech, Inc.**

Ken Krieger  
8005 Outer Circle Road  
Brooks City-Base, TX 78235  
WEB: www.et-sa.com  
E: ken.krieger@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

**Fluke Biomedical**

Bryan Hughes  
1011 Goldfinch  
Sugarland, TX 77478  
WEB: www.cardinal.com/yms  
E: hughesb@syncor.com  
T: 800-850-4608 Ext. 3715  
F: 281-491-5174

**Global Dosimetry Solutions, Inc.**

Phil Harris  
3300 Hyland Avenue  
Costa Mesa, CA 92626  
WEB: www.dosimetry.com  
E: pharris@icpharm.com  
T: 800-548-0136 Ext. 9379  
F: 714-668-3149

**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

**K & S Associates, Inc.**

Thomas Slowey  
1926 Elm Tree Drive  
Nashville, TN 37210-3718  
WEB: www.kslab.com/  
E: tslowey@kslab.com  
T: 615-883-9760  
T: 800-522-2325 (schedule)  
F: 615-871-0856

**LND, Inc.**

William J. Lehnert  
3230 Lawson Boulevard  
Oceanside, New York 11572  
WEB: lndinc.com  
T: 516-678-6141  
F: 516-678-6704

**Ludlum Measurements, Inc.**

Dwane Stevens  
Post Office Box 810  
501 Oak Street  
Sweetwater, TX 79556  
WEB: www.ludlums.com  
E: dstevens@ludlums.com  
T: 325-235-5494  
F: 325-235-4672

**Microtec Services, Inc.**

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

**Advanced Measurement Technology, Inc. (ORTEC)**

Barry J. Wilson  
13 Calle Alejandra  
Santa Fe, NM 87508  
WEB: www.ortec-online.com  
E: barry.wilson@ortec-online.com  
T/F: 505-466-1358  
C: 505-310-1721

**Owens Scientific, Inc.**

Betty Hail  
23230 Sandsage Lane  
Katy, TX 77494-4207  
WEB: owensscientific.com  
E: sales@OwensScientific.com  
T: 281-394-2311  
F: 281-394-2522  
\*AS: 713-784-8443

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E: rjpastor@philotechnics.com  
T: 865-483-1551  
F: 865-483-1530

**Phoenix Scientific Sales**

Bill Tucker  
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Roswell, GA 30077  
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E: tucker@PhoenixScientificSales.com  
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**Protean Instruments Corp.**

John Sonewald  
231 Sam Rayburn Parkway  
Lenoir City, TN 37771  
WEB: proteaninstrument.com  
E: jsonewald@proteaninstrument.com  
T: 865-717-3456  
F: 865-717-3456

**PULCIR, Inc.**

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Oak Ridge, TN 37830-3500  
WEB: www.pulcir.com  
E: joe@pulcir.com  
T: 865-927-6358  
F: 865-927-6866

**Radiation Technology**

Jack Hendrick  
Post Office Box 27637  
Austin, TX 78755  
WEB: radiationtechnologyinc.com  
E: Radiationtech@msn.com  
T: 512-346-7608  
F: 512-795-8718

**Saint-Gobain Crystals**

Dave Stadelman  
1655 Townhurst Drive Suite 190  
Houston, TX 77043  
WEB: www.bicron.com/  
E: david.p.stadelman@saint-gobain.com  
T: 713-973-9461

**Solutient Technologies, LLC**

Steve Pocock  
7857 Freedom Avenue NW  
North Canton, OH 44720-6907  
WEB: www.solutientech.com  
E: spocock@solutientech.com  
T: 330-497-5905  
F: 330-497-2045

**Southwest Research Institute**

John Hageman  
Honorary Affiliate  
6220 Culebra Road  
San Antonio, TX 78238-5166  
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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  
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3801 Campus Drive  
Waco, TX 76705  
WEB: tstc.edu  
E: Linda.Morris@tstc.edu  
T: 254-867-2952

**The Delphi Groupe, Inc.**

Ron Gauny  
2211 South IH 35 Suite 400  
Austin, TX 78741  
WEB: www.delphigroupe.com  
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T: 512-462-1181  
F: 512-462-1187

**Thermo Electron**

Denny Cannon  
Post Office Box 621059  
Littleton, CO 80162  
WEB: www.thermo.com/rmp  
E: denny.cannon@thermo.com  
T: 303-948-5001  
F: 303-978-0518

**Thermo MeasureTech**

Ralph S. Heyer  
2555 North IH 35  
Round Rock, TX 78664  
WEB: www.thermo.com  
E: Ralph.hey@thermo.com  
T: 512-388-9287  
F: 512-388-9200

**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

\*AS – Answering Service

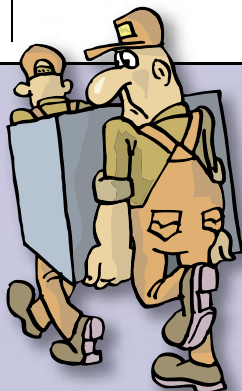
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**SJABLONS@tceq.state.tx.us**



## South Texas Chapter - Health Physics Society Affiliate Renewal/Application

Forms Available Online

### **Affiliate Contact Person (One Free Individual Membership):**

Please print – This information is used for mailing labels and directory listing, and will appear in *The Billet* and on the chapter web site at [www.stc-hps.org](http://www.stc-hps.org)

Company Name \_\_\_\_\_

Contact \_\_\_\_\_

Mailing Address \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Work \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

Company Web Site \_\_\_\_\_

### **Alternate Contact Person (Optional):**

Company Name \_\_\_\_\_

Contact \_\_\_\_\_

Mailing Address \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Work \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

### ***Affiliate Annual Membership Dues \$150.00***

Chapter President Ken Krieger and President-Elect Jim Sharp asked to convey a personal invitation to you to become (or remain) a chapter affiliate member 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* (an STC-HPS quarterly newsletter).

Make check payable to STC-HPS or transmit credit card information to the STC Treasurer.

Mail completed form and payment to the STC-HPS Affiliate Committee Chairperson listed below. Also direct any Affiliate related questions, comments, or address corrections to the same contact.

Andrew Pitts  
STC-HPS Affiliates Committee Chair  
Alpha Neutronics, Inc.  
11543 Trickey Road  
Houston, TX 77067-3406  
E: [admin@alphaneutronics.com](mailto:admin@alphaneutronics.com)  
T: 281-872-0075



**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](http://www.stc-hps.org) for a color copy of *The Billet*.

### Future Meetings & Deadlines

Date	Location	Topic	Deadline for <i>The Billet</i>
April 21–22, 2006	College Station, TX	Student Papers & Annual Meeting	February 16, 2006
June 25–29, 2006	Providence, RI	National HPS 51st Annual Meeting	NA
September 2006*	Waco, TX	STC & North Texas Joint Chapter Meeting Topic TBD	July 2006*
January/February 2007	San Antonio, TX	Affiliates Fair	November/December 2006
January 21–24, 2007	Knoxville, TN	HPS Midyear Symposium	NA
April/May 2007	College Station, TX	Student Papers & Annual Meeting	February/March 2007
July 8–12, 2007	Portland, OR	National HPS 52nd Annual Meeting	NA
September 2007	TBD	TBD	July 2007
January 27–30, 2008	Oakland, CA	HPS Midyear Symposium	NA
April/May 2008	TBD	Student Papers & Annual Meeting	February/March 2008
July 2008	Pittsburgh, PA	National HPS 53rd Annual Meeting	NA
January 2009	San Antonio, TX	HPS Midyear Symposium	TBD
July 12–16, 2009	Minneapolis, MN	National HPS 54th Annual Meeting	NA

\* Linda Morris to select the date