

The Billet

The Newsletter of the South Texas Chapter – Health Physics Society

April 1, 2000

Web site: <http://www.stc-hps.org>

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HPS President Paul Rohwer congratulates Susan Jablonski and awards her the Chapter Volunteer-of-the-Year award." Not pictured, but also receiving Chapter Volunteer-of-the-Year awards were Eva Legler and Karen Myers.

Jablonski, Legler, and Myers Honored for Chapter Work

Submitted by David Fogle

At the Winter Meeting of the South Texas Chapter of the Health Physics Society, Inc. (STC), held in San Antonio, Texas, on February 12, 2000, National Health Physics Society (HPS) President-Elect Paul Rohwer introduced the new Chapter Volunteer-of-the-Year award program, developed and implemented by the National HPS. The program is designed to recognize up to three members of local chapters for substantial work performed for the chapter within the previous calendar year.

In a process that began in December 1999, the Executive Council of the STC provided nominations for the new award along with itemizations of the laudable accomplishments of each nominee. Working with Nominations Committee Chair Janet Hopkins, STC President David Fogle and STC President-Elect Ian Hamilton prepared and forwarded our chapter's nominations for this new award to HPS President-Elect Rohwer. Subsequently, the National HPS presented awards to Susan Jablonski, Karen Meyers, and Eva Legler.

The following represents each nominee's submissions penned for National HPS consideration.

See HONORED on page 3.

The Billet is sponsored by the South Texas Chapter Affiliate Members and is printed as a courtesy by Southwest Research Institute in San Antonio, Texas.

LAWRENCE RICHARD “JAKE” JACOBI, SR.

Lawrence Richard “Jake” Jacobi Sr., 78, (father of Rick Jacobi), devoted husband and grandfather, passed away Wednesday, January 5, 2000, at Seton Northwest Hospital in Austin, Texas.

Lawrence was born in Sterling, Oklahoma, on August 5, 1921. He graduated from the United States Merchant Marine Academy in Kingspoint, New York. During World War II, he served in the United States Navy and Merchant Marines. Lawrence was retired from the Master, Mates, and Pilots and the Clerks and Checkers ILA. He was a resident of Galveston until 1986, when he relocated to Austin, Texas.

Survivors include his beloved wife of 50 years, Molly Jacobi, of Austin; children, Rick Jacobi and wife, Vikki, of Austin; Janet Sheffield and husband, Ken, of Houston; and Joe Jacobi and wife, Paula, of Baton Rouge, Louisiana; grandchildren Heather Boyd, Don and Melissa Massey, Jenny and Justin Sheffield, and Leslie and Brian Jacobi.

He was loved and will be missed deeply by all. *“He lived a long life, and his time has now passed. The whistle has faded but his memory will last.”*

In lieu of flowers, donations may be made to the Humane Society, SPCA of Austin at 124 W. Anderson Lane, Austin, Texas 78752, or St. Jude’s Children’s Hospital.

WELCOME NEW STC MEMBERS

Ted J. Amland	Dornier MedTech, Inc., Kennesaw, Georgia
Stacy Bruss	Brooks AFB, San Antonio
Richard Costello	UTHSC, Houston
Ruben Cortez	Student, Texas A&M, College Station
Elsie R. Grieco	South Texas Project Nuclear Operating Company, Wadsworth
Kenneth M. Hilscher	South Texas Project Nuclear Operating Company, Wadsworth
Georgia L. Iocco	Ben Taub Hospital, Houston
Leigh Ann Koehler	Student, TSTC, Waco
Edwin Miles	Landauer, Houston
Eva C. Reed	Kelly Springfield, Tyler
Jerald Simmons	South Texas Project Nuclear Operating Company, Wadsworth
Kyle G. Weeks	Chevron Chemical Co., LLC, Orange
Don R. Winzeler	Alamo Cement Company, San Antonio
Bill V. Wright	Texas Tech University, Environmental Health & Safety, Lubbock
Danny Ray Jisha	Bureau of Radiation Control, Austin
Barbara Taylor	Bureau of Radiation Control, Austin
Mike Dunn	Bureau of Radiation Control, Austin

Three Science Teacher Workshops Completed in One Year’s Time

Submitted by David Fogle

Accomplishing a rare feat, members of the South Texas Chapter of the Health Physics Society (STC) recently completed its third Science Teacher Workshop (STW) in a little less than one year’s time. “Not only did we do three, the most ever in a year, but we also did the largest class ever,” said STC Treasurer Susan Jablonski, referring to the October 23, 1999, Lubbock, Texas, STW, attended by 45 scienceteachers.

Hosted by Memorial Hermann Hospital Southwest, the latest STW was conducted on Saturday, January 15, 2000. After a continental breakfast was served, the program began at approximately 8:30 a.m. with a brief introduction provided by STC President David Fogle, followed by an entertaining look at the historical perspective of radiation and radiation protection provided by Bob Emery, CHP. STC President-Elect Ian Hamilton, CHP, then launched into the daunting task of explaining the fundamentals of radiation to a non-technical audience. After a brief break, John Salsman, CHP, continued with two more formidable topics – cellular biology and radiation health effects.

After lunch (a scrumptious affair including Cajun chicken, grilled seasoned vegetables, seasoned potatoes, dessert, and beverages), David Smith, Inspection Program Manager, Texas Department of Health, introduced the teachers to their radiation detector and provided an overview of the radiation regulatory process. Ken Krieger, TAMU Student Branch Past-President, entertained and educated the teachers with his presentation on exposure to radiation in modern life. STC Past-President, Otto Zeck, CHP, followed

with an enlightening presentation on the use of radiation in the medical environment, focusing on the state-of-the-art gamma knife facility. Following the afternoon break, STC Treasurer Susan Jablonski gave a thought-provoking discussion on radioactive waste management and how it affects all citizens of Texas. STC President Fogle returned to give a brief summary and conclude the day.

All responses from the attendees were extremely positive regarding the workshop environment, presentations, arrangements and food. Of course a debt of gratitude goes out to all the presenters and volunteers who have contributed their time to this effort. The success of this workshop, as well as others conducted this past year, are a direct result of the hard work and dedication of a lot of “behind-the-scenes” folks. Eva and Steven Legler have done a marvelous job of making sure the workshops run smoothly and are properly staffed with presenters. Susan Jablonski and Karen and Pete Myers have done an unbelievable amount of work related to rewriting, arranging, and creating STW materials used during the workshops. Without these five envisioned STC members working constantly, the STW program would not be nearly as successful as it is today.

Lastly, the success we are enjoying now, and the chance to do the same in the future, is largely due, in part, to your (Chapter members) contributions to the STW fund. Without those funds, the program could not continue at its current pace. Please consider donating generously to this important mission.

HONORED

From front page.

Susan Jablonski has not only distinguished herself as an industry leading expert in the field of low-level radioactive waste disposal, but she also lends that same exceptional credence to any and all activities and functions that she is involved with for the STC. Susan completed a total revision of the financial records and dealings of the STC. In an effort to formalize and simplify the transition between office holder and treasurer-elect, Ms. Jablonski compiled all of the records maintained by her office into a completely revised and much more efficient system. Aided by the new system, Susan produced the first Chapter Annual Fiscal Report that we can remember (at least 15 years). As the STC's financial holdings have grown tremendously over the last decade, the responsible tracking and accounting of our holdings and expenses has become paramount. Susan has made certain that the STC has a firm foundation on which to achieve total compliance with Internal Revenue Service code, while making the Treasurer's duties more assured.

For the first time ever, the STC hosted and completed three Science Teacher Workshops (STW) within a one-year period. That accomplishment would not have been possible without the involvement of Ms. Jablonski. She spent countless hours over a four-week period researching and creating PowerPoint presentations of the highest caliber, and high-resolution teaching aides. The materials are of much higher quality than before, and they received rave reviews from the participants during our two most recent STWs. Susan also coordinated, supplied additional support functions, and presented at all three STWs conducted during the last year.

Finally, Susan is, undoubtedly, the most sought-after volunteer in our Chapter. She serves on the Student Assistance Committee as a panelist for the evaluation of scholarship applications. Susan serves on the Program Committee as meeting registration contact person and also directly assists the Program Committee Chair in organizing and planning each meeting. During each Chapter meeting, Susan also serves as greeter, local arrangements coordinator/contact, and "miracle worker" (for when things don't go right, she makes sure that they do go right, and that all appearances remain seamless).

Karen Myers has distinguished herself in so many ways over the last year; it is difficult to imagine the STC without her exceptional talents. For a great number of years, the Public Relations Committee (PRC) of the STC was without a genuine, meaningful charge and direction. The PRC would produce good work, but only at the direction of the Executive Council. The very moment Karen volunteered to Chair that committee, significant and incredible changes took place. For the first time in memory (at least 15 years), the focus of her committee became projecting the STC into the local and national eye. To this end, she has dramatically increased the number of articles in *The Newsletter* of the National Health Physics Society. She has authored articles for the Chapter News section of *The Newsletter*, including two feature articles (not under Chapter News) dealing with (1) how chapters can obtain IRS tax-exempt status (an article she wrote as a benefit to all chapters), and (2) the cooperative effort between the STC and the Panhandle Chapter on an STW conducted at the Conference for the Advancement of Science Teaching in Lubbock, Texas. Besides *The Newsletter*, Ms. Myers has also authored articles at a never-before-seen pace for inclusion in the STC's nationally recognized newsletter, *The Billet*.

Ms. Myers does an excellent job of motivating action from others in our Chapter. She identified the national trend and current event of food irradiation as a beneficial tool in the fight against food-borne

illness, and pressed the Chapter president into action. Ms. Myers authored a letter on behalf of the STC president regarding the benefits of food irradiation and sent the letter to the major direct grocery company in Texas. This single act not only introduced the grocer to food irradiation and the STC, but also conveyed her desire to inform the public about care and safety issues involving the beneficial use of radiation.

Karen's dedication to the STC and her desire to perform volunteer activities are also displayed in her work related to the STWs. Ms. Myers spent many hours/days performing the arduous task of scanning and cleaning up the original STW materials (North Carolina version – three volumes!). She cheerfully performed this task and later made revisions based on submitted rewrites. Thanks to her amazing efforts, the STC now has the entire STW materials (four volumes) in an electronic format, which can be amended as events in Texas change the climate of regulation and use of radiation-producing material and devices.

Eva Legler has distinguished herself in the past as an exceptionally dedicated worker and volunteer at Memorial Herman Hospital Southwest, where she is employed in the Radiology Department. Ms. Legler was honored by the hospital as Employee of the Year. The STC has only within the past year been fortunate enough to tap into that amazing energy, motivation, and diligence.

Perhaps one of the STC's most important missions is the education of the public regarding the truths about radiation. The primary way that we accomplish that undertaking is through the STW program. For a number of years, the STC had fumbled forward with the program, hosting an STW approximately once a year, usually at the invitation of a power utility or at the direction of the Chapter president. From the moment that Eva became the Chair of the STW committee, there was an almost immediate escalation of activity. To her credit, Eva was able to develop a core of reliable individuals dedicated to being presenters at the STW – a feat not accomplished until she came along. She further managed to produce three high-quality workshops within a one-year period – a feat never accomplished by our Chapter. Under her leadership, all of the materials related to production of the STW were completed, edited, and revised – again, a feat never before completed. In addition to motivating others, Eva spent a great number of hours doing much of the "little" work herself. It was common to hear that Eva would be up until early in the morning completing tasks necessary to host an STW. While completing the "little things" in preparation of an STW, Ms. Legler would also be directing the activities of others, making certain that the end product was of the highest quality. Her major accomplishments related to the STWs can be documented in the great number of extremely positive comments made by the science teachers who have benefited by Eva's tireless efforts. The bottom line is that the resurgence of the STW program and committee would not have occurred had it not been for Eva.

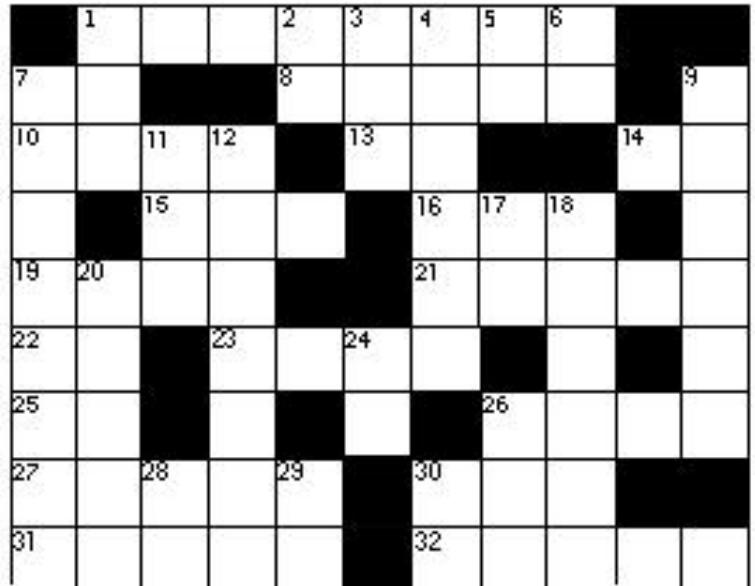
After the selection process was finalized, it was decided that all nominees should be recognized for their time and efforts in support of the Chapter. As a chapter-level equivalent to the national award, STC President Fogle prepared framed certificates for presentation to Bob Berry, John Hageman, Ken Krieger, Steven Legler, Linda Morris, Pete Myers, and Jim Sharp. These awards were presented during the Winter Meeting luncheon at La Margarita Restaurant in Market Square. Also honored for their significant contributions to the STC were Sheryl Harley, Alana Woods, and Darnell Collier, of Southwest Research Institute.

The Billet Puzzler "Names"

Submitted by Kenneth Krieger

Across

1. Discovered Radiation
7. Copper
8. Not a friend
10. Discovered cosmic rays
13. Large electronics company (abbr.)
14. The self
15. Put down
16. Obtain
19. Information
21. Built first whole body counter
22. Us
23. Modeled the atom
25. Moon of Jupiter
26. Scheme
27. Spice
30. The millenium has three of them
31. Dictators
32. Carried out first sustainable fission reaction



Down

1. Sorrow
2. Nebraska
3. An explosive (abbr.)
4. Mueller's partner
5. Printing measure
6. Mets home
7. Discovered the neutron
9. Invented the phonograph
11. Very fast air plane (abbr.)
12. Discovered Plutonium
17. Electron volt
18. First president of the NCRP
20. The vowels
24. Masculine pronoun
26. "The Raven" author
28. Registered nurse
29. Affirmative (abbr.)
30. About

JOB OPENINGS

Submitted by John Hageman

Thermo Hanford, Inc. has job openings for nine Health Physics Technicians/Radiological Control Technicians and has asked their employees for assistance in filling these positions. The positions are for the Hanford site, Richland, Washington.

Qualifications include either one year of experience or an AS degree in Nuclear Technology or Radiation Protection. A DOE Core card is a plus.

Please send your résumé to Delia Fisher at (509) 373-5909, fax to (509) 372-9448, or email to dlfisher@mail.bhi-erc.com marked "per Delia Fisher."

Myers to Serve on HPS Committee

Submitted by David Fogle

When the call went out, one answered . . .

In mid-October, the South Texas Chapter of Health Physics Society, Inc. (STC) President, David Fogle distributed an electronic mail to all members of the STC announcing the nomination process for positions on National Health Physics Society committees. As indicated in the e-mail, the process had undergone revision from previous years when HPS members would simply mark on their dues renewal forms their committee preferences. In the ordinary, nominees for committee membership would be taken from the dues renewal forms. In practice, committee chairpersons would enlist nominees for vacant positions by soliciting nominations from among the respective committee or by other means. This year National HPS requested that chapters solicit nominations for committee service and then formally nominate individuals for service. Nominations were due no later than December 31, 1999.

STC Board Director Pete Myers was the one and only STC member to answer the call. Mr. Myers specified that although he would be pleased and eager to serve on any HPS committee, he would prefer to serve on either the Program Committee or the Venues Committee. The letter of nomination was prepared by STC President Fogle and submitted to National HPS in due fashion. Subsequently, HPS accepted the nomination and appointed Pete to the Program Committee. His service on that committee will begin during the annual meeting of the HPS in Denver, Colorado.

If you would like to serve on a committee of the STC or become a nominee for committee service next year at the national level, contact Janet Hopkins at (713) 500-5846 or by email at jhopkins@admin4.hsc.uth.tmc.edu. But, be forewarned, since the implementation of the new committee membership nomination system, the STC is "batting a thousand" on nominee selection.

GAMMA-RAY BLASTS FROM THE PAST

Submitted by Jim Lewis

In the late 1960's, concerned that the U.S.S.R. might violate the nuclear test ban treaty by exploding weapons in space, the U.S. launched a series of spy satellites with gamma-ray detectors. It wasn't too long before the first gamma-ray bursts were detected, but the bursts lasted many seconds, far longer than expected from the detonation of a nuclear weapon. Over the next 30 years, the hunt has been on to figure out where the gamma-ray bursts are coming from and what causes them. The isotropic distribution of bursts in the sky, about one a day on average, indicated the blasts do not originate from within our own galaxy (fortunately), but rather, they come from different points all over the universe. The ~20-second duration of each gamma-ray explosion is so short that it was very difficult to locate any specific spot in the sky for observation with optical and radio telescopes before the gamma-ray source quickly faded away. A Dutch-Italian satellite launched in 1996 determined that gamma-ray bursts had an x-ray afterglow, allowing the remnants of an explosion to be pinpointed and studied with more classical observational techniques. From the red shift of the afterglow, gamma-ray bursts appear to be originating from objects at the beginning of time, at the outer edges of the known universe within the first 100 million years of the universe's existence, after the Big Bang. Because these explosions

occurred 9 to 12 billion light years away, it means they are the most powerful explosions ever in the universe outside of the Big Bang itself. Currently, the theory has it that a gamma-ray burst may originate from a large star that fails to ignite a sufficient thermonuclear reaction to counteract gravity and thus, in a thermonuclear implosion, collapses into a neutron star in less than a minute. In a few seconds, more energy is liberated than our sun will put out in its entire 10-billion-year lifetime, an amount of energy comparable to that put out CONTINUOUSLY by ALL the stars in a million galaxies at once. The exact mechanism by which such an immense quantity of energy is liberated in such a short time is still being hotly contested, and it's hoped that the answer will provide clues to early events in the birth of our universe and in the formation of the first stars. A 30-minute National Public Radio program on gamma-ray bursts is located at http://soundprint.org/documentaries/2000/gamma_ray_skies/. A free version of the Real Audio Player is available at www.realaudio.com and works when your computer is equipped with a sound card and speakers. If you have a good Internet connection, it's worth at least skipping to the end of the program to hear the song.

STC-HPS.ORG UPDATE

Submitted by David Fogle

In case you haven't noticed, there have been some changes to the South Texas Chapter (STC) website over the past year. To begin with, the *Announcements* link has been updated to reflect current information for the next meeting of the STC. Along with the announcement and agenda, included on that page is a registration form for the next meeting, which can be printed, completed and mailed to the STC Treasurer, Susan Jablonski (soon to be Mike Charlton). The *Executive Board* hyperlink has also been changed to reflect current members of the Executive Council, featuring brief biographies on each board member and a listing of each committee, charge, and Chairperson.

One new addition to the website is the inclusion of the most recent edition of our nationally-recognized publication, *The Billet*, which can be downloaded and printed. In order to download, the

your computer must be equipped with Adobe Acrobat. The hyperlink to the Radiation Protection Home Page hyperlink has also been updated to accurately reflect the new uniform resource locator (URL). Links have also been added to the National Health Physics Society website and some of our affiliate members' websites. In grateful acknowledgment to Southwest Research Institute for their history of support of the STC's publications, a link has also been added to their home page. The most recent addition to the website features a fun and relevant top-10-list of reasons to join the STC.

You are invited to visit the website and check out the changes for yourself. If you have any comments or would like to volunteer time to contribute to the maintenance or improvement of the website, please contact the webmaster while visiting our site.

CHAPTER INVITED TO PARTICIPATE IN SWCSNM MEETING

Submitted by David Fogle

The South Texas Chapter of the Health Physics Society (STC) has been invited to register and attend the 45th Annual Meeting of the Southwestern Chapter of the Society of Nuclear Medicine (SWCSNM). The meeting will be held in Galveston, Texas at the Moody Gardens Hotel complex March 31 through April 2, 2000. The invitation to register and attend this meeting is a result of a cooperative agreement between the two organizations. Through the SWCSNM, continuing education units will be available for certification held with the Texas Board of Licensure for Professional Medical Physicists and The Medical Radiologic Technologist Certification Program, Texas Department of Health.

Individuals attending the meeting, including lectures, will be able to (1) anticipate and prepare for advances in Nuclear Medicine for the next five to ten years; (2) employ insight obtained on new procedures, including sentinel node detection, lymphoscintigraphy, and bowel transit studies; and (3) review state-of-the-art techniques in the routine evaluations of cardiac and renal function, endocrinology, infection imaging, and more.

For more information on this meeting, including an on-line registration form, point your web browser at www.swcsnm.org/2000mtg.htm or call Charlie Metzger, SWCSNM Associate Director at (650) 876-0790.

SOUTH TEXAS CHAPTER – HEALTH PHYSICS SOCIETY

Education Grant Application: Associate/Bachelor/Graduate Degree Academic Year: 2000-2001

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's, Bachelor's, 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 2000. Dead line for the receipt of applications and all supporting materials is **May 19, 2000**. Award winners will be announced at the subsequent Chapter meeting. The STC-HPS College Education Grant is \$750, and several awards will be made. One grant will be made at each degree level, and one additional award may be made without regard to degree program. 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
- Bachelor
- Graduate

1. Name: _____ 2. Phone: _____
3. Address: _____ (Email: _____)

4. Undergraduate Institution: _____ 5. GPA: _____
Submit copies of all current transcripts.

6. SAT, ACT, GRE (circle one) Scores (Bach. & Grad.): Math: _____ Ver bal: _____
Enclose a copy of your SAT, ACT, or GRE scores. Com pos ite (ACT): _____ GRE: _____

7. Statement of financial support: On the "STC-HPS Education Grant Application: Financial Information" form, provide a detailed account of all sources of income and expenses for the period of support Sep tem ber 2000 to August 2001. Insuf fi cient data may result in delays in pro cess ing your appli ca tion.

8. Statement of personal goals: Pro vide a sep a rate, one-page state ment about your per sonal career goals, includ ing a state ment about your intent to enter the field of Health Phys ics.

9. Letters of recommendation: Names of two per sons you will ask to write let ters attest ing to your poten tial for study in health physics.

1. _____ 2. _____

STC-HPS Scholarship Application: Financial Information (September 1999 – May 2000)

Name: _____

Check all that apply:

1. Where and with whom do you live?

- On-campus housing
- Off-campus housing
- Parents/relatives
- Unrelated room mates

- Alone
- Spouse
- Your children. How many? _____

2. Degree:

- Associate
- Bachelor
- Graduate

3. Tuition residency:

- In-state
- Out-of-state

Income	Amt/month	Expenses	Amt/month
Spouse Working		Housing & Utilities	
Summary job/school job		Automobile (payments, gas, insurance, etc.)	
From parents/relatives/guardians		Food	
Child support payments		Child support payments	
Savings/investments		Other (list)	
Scholarships/grants (list them):			
Social Security Benefits			
VA Benefits (Educational and/or Disability)		Expenses Total	
TRC or JIPA		Additional Comments/Extenuating Circumstances (attach additional page(s) if needed):	
Other (list):			
Total Income			
Loans (list):			
Total Loans			

Minutes of the Executive Council Meeting of the South Texas Chapter of Health Physics Society, Inc. Woodfield Suites San Antonio, Texas

February 11, 2000

Executive Council Members in Attendance

David Fogle, President; Susan Jablonski, Treasurer; Chris Maxwell, Secretary; Pete Myers, Executive Council (EC) Member; Ian Hamilton, President-Elect; Jim Lewis, EC Member, John Salsman, EC Member; A.J. Teachout, Past-President; Mike Charlton, Treasurer-Elect

Chapter Members and Guests in Attendance

Jim Sharp, Chair, Membership Committee; Roy and Alta Craft, Ken Krieger, President, Texas A&M Student Branch; Karen Myers, Chair, Public Relations Committee; Janet Hopkins, Nominations Committee; John Hageman, Publications Committee; Bill Huckabee, Affiliate Membership Committee; Linda Morris, Student Assistance Committee; Eva Legler, Science Teacher Workshop Committee

Quorum established at 5:45 p.m.

President David Fogle called the meeting of the EC of the South Texas Chapter of Health Physics Society, Inc. (STC) to order at 6:01 p.m. President Fogle's first business was to finalize the agenda. Treasurer Susan Jablonski made a motion to accept the agenda with the proposed changes. President-elect Ian Hamilton seconded the motion, and the motion was approved by unanimous vote. After the guests were introduced, President Fogle then called for additions or changes to the minutes. Hearing none, President Fogle called for a motion to approve the minutes of the previous EC meeting. Treasurer Susan Jablonski made a motion to approve the minutes as distributed in *The Billet*. EC member Jim Lewis seconded the motion, and the motion was approved by unanimous vote.

President's Report—President Fogle proposed to adjourn the EC meeting at 9:00 p.m. Treasurer Jablonski made a motion to adjourn at 9:00 p.m. President-Elect Ian Hamilton seconded the motion, and the motion was approved by unanimous vote. President David Fogle began his report by updating the board regarding the STC website. President Fogle commented that the Science Teacher Workshop page and the Meeting page was updated. President Fogle asked for input regarding the proposed changes to the Board Member page by including pictures with board member bios. After much discussion, the decision to add a picture to the EC member board will be optional, and Jim Lewis will send a bio form for EC members to complete. President Fogle announced that EC member Pete Myers has been asked to serve on the Program Committee of the National HPS. President Fogle announced that he would be sending "Thank You" letters to the participants/volunteers for their service at the most recent STC workshop. Fogle also noted that three Volunteer-of-the-Year awards will be announced and presented by National HPS President-Elect Paul Rohwer at the meeting tomorrow. President Fogle reported that certificates would be given to Alana Woods, Sheryl Harley, and Darnell Collier for their hard work done for the Chapter. President Fogle reported that both Alana and

Sheryl had agreed to attend the lunch and meeting. Treasurer Jablonski made a motion that the STC pay for lunch for both recipients. EC member John Salsman seconded the motion, and the motion passed by unanimous vote. Treasurer Jablonski made a motion to reimburse President Fogle \$42.50 for the cost of producing the local STC awards. President-elect Ian Hamilton seconded the motion, and the motion passed by unanimous vote. Fogle announced that Janet Hopkins would be replacing Phil Shaver as the chair of the Nominations Committee.

Treasurer's Report—Susan Jablonski, STC Treasurer, began her report by distributing copies of the report and then detailing the activities and balances of the operating and student scholarship funds. Treasurer Jablonski reported that the STC operating fund was \$30,614.39 at the end of 1999, and the scholarship fund was \$55,456.13. As of the date of the meeting, the operating fund is \$35,261.71, making the total assets \$90,619.06. Treasurer Jablonski reported that the College Station meeting was a financial success by netting approximately \$700. Treasurer Jablonski reported that the mutual fund would soon be up for renewal and that interest return on that account was down. EC member John Salsman made a motion to accept the Treasurer's report. President-elect Ian Hamilton seconded the motion, and the motion was approved by unanimous vote. Under the next agenda item, Treasurer Jablonski reported that the Certificate of Deposit is up for renewal in April 2000. Following discussion on whether to renew the CD or transfer funds into a mutual fund, Treasurer Susan Jablonski said that she would report at the next EC meeting on her committee's recommendations. Jablonski reported on the advantages/disadvantages and costs associated with bonding future STC Treasurers. After discussion, the EC decided not to pursue bonding at this time.

Secretary Report—Chris Maxwell, Secretary, reported that membership renewal forms were mailed. Several letters and correspondence were received. One letter pertained to the Science Engineering Fair of Houston, requesting a donation for year 2000. President Fogle will follow up to see if the Chapter can furnish an award to get some recognition, instead of just giving a donation. A letter was also received from the Texas Department of Health with regard to policy changes. President Fogle noted that historically the EC has not taken actions toward making recommendations for changes in regulations. After discussion, the EC decided to table this issue due to the time-to-comment expiration date disclosed in the letter, but will watch closely for future opportunities for the Chapter to make recommendations to regulation changes. President David Fogle called for a motion asking that correspondence be received and filed. EC member John Salsman made the motion and President-Elect Ian Hamilton seconded. The motion passed by unanimous vote.

Committee on Admissions—Chair Jim Sharp distributed copies of his report and shared the results of the informal survey

regarding preferred form of the membership directory, which indicated that a paper version of the directory was more requested than a CD version. Jim Sharp also submitted a list of prospective new members. The applicant list was amended by President Fogle to include three more applicants. EC member Pete Myers made a motion to accept all applicants for membership. Past-President A.J. Teachout seconded the motion, and the motion passed by unanimous vote. Janet Hopkins displayed certificates to be presented to new members by the STC President. Roy Craft reported on the new brochures to be given to RSO training course participants. President Fogle commended Mr. Craft for the excellent job on the brochure. Jim Sharp also reported on the status of the STC membership pin. Mr. Sharp will get samples of the pins and provide the logo artwork for the EC to review at the next meeting. Price, logo, and the quantity to be ordered will be decided at the next meeting. Jim Sharp concluded his report by mentioning that the STC may want to include a "Policies" page similar to the one used in the National HPS directory. President Fogle asked Mr. Sharp to work on the additional wording write-up and present it to the EC at the next meeting.

Program Committee – President-elect Ian Hamilton reported that the next meeting would be in Waco on the TSTC campus on May 6, 2000. The key note speaker will be Dr. Allen Walter speaking on "Our Horizons as A Radiation Profession." John Poston will speak on the "History of Health Physics." Mitty Plummer will talk about the new BS in Radiation Technology offered at the University of Texas–Dallas. President Fogle asked for a report about the door prizes. Bill Huckabee reported that Suntrac Services would be purchasing the door prizes with the \$300 donated from the STC and that door prize information will be published in *The Billet*.

Public Relations Committee – Karen Myers distributed a copy of her report and said that she will be contacting Linda Morris and Ian Hamilton to provide information on past scholarship winners. David Fogle commented that Karen continues to do an exceptional job with the articles that she is publishing in both the local and national publications.

Nominating Committee – Janet Hopkins reported on the nominations for STC officers. Those nominated for the position of President-elect were Bob Emery and Susan Jablonski, Office of Secretary were Pete Myers and Mary Van Baalen, Office of Executive Council member were Chris Maxwell and Ken Krieger.

Student Assistance Committee – Linda Morris reported that the name of the scholarship has been changed to the South Texas Chapter–HPS Educational Grant. Linda contacted David Hearnberger, and he will give information to the Texas A&M students. President Fogle stated that the grant application would be published on the STC website. President-elect Hamilton commented that we should see a rise in student applications because of these efforts.

Affiliate Membership Committee – Bill Huckabee reported that the STC gained 2 additional affiliates, and of the 32 affiliates, 21 would be exhibiting at the meeting. He also commented that twenty-three affiliates would be joining the luncheon. Treasurer Jablonski thanked Mr. Huckabee for asking the affiliates to join us for the luncheon. It was mentioned that in the past they might not have known how important it was to us to have this time for social interaction with them.

Legislative Report – President Fogle reporting for Richard Ratliff reported that the legislature was not in session, so there was

not much going on at this time, other than continued work on interim charges. President Fogle did report that there were two studies going on – those being the Senate Natural Resource Committee, which is conducting interim studies of low-level radioactive waste disposal methods, and the House Environmental Regulation Committee examining TDH low-level radioactive exemptions.

Publication Committee – John Hageman reported that the deadlines for the next *Billet* would be March 3 and March 10, 2000, for electronic format. The next *Billet* will be sent out around April 5, 2000. Mr. Hageman also reported that Sheryl Harley is being transferred to another department and may not be able to work on *The Billet*. Alana Woods will remain the managing editor of *The Billet*.

Science Teacher Workshop Committee – Eva Legler wanted to thank all who helped with the Houston and Lubbock STWs. Eva reported that the South West Memorial Volunteer Auxiliary donated \$500 again this year. Because of the donation, the STW in Houston cost the Chapter only \$287. Mrs. Legler also reported that the next STW would be in Mercedes, Texas, on April 1, 2000. Eva Legler will send flyers to announce the workshop. She expects 30 to 40 teachers. Ian Hamilton announced that Texas A&M has received 700 to 800 survey meters for the STW, and that Ludlum Measurements would continue to donate the batteries for the meters. President Fogle noted that Eva has done an exceptional job. This is the first year that the Chapter has put on three STWs, and all have been very successful.

Unfinished Business – President Fogle confirmed with Jim Sharp that labels had been sent to the South West Chapter–Society of Nuclear Medicine (SWCSNM) and that he would follow-up to make sure that the STC will have a free booth at the SWCSNM meeting March 30 – April 1, 2000.

Pete Myers reported that he continues to work on the STC's position on radioactive waste to be given to the Sunset Commission and Senate Natural Resources Commission.

President Fogle reported that the Bylaws amendment has been disseminated to the membership and would be voted on at the business meeting. President David Fogle commended EC member Pete Myers for writing the article for *The Billet*.

President Fogle reported that the letter to National HPS publications editor David Miller regarding the Texas Radiation Control Compliance Almanac had been sent.

President Fogle commented that he would be soliciting local members of the National Registry of Radiation Protection Technicians, HPS, and Licensed Medical Physicists (LMP) who are not currently members of the STC. National HPS requested to see the letter that would be used before they would provide the labels. There are 95 members who live in the South Texas region and are not STC members. In the LMP listing, there are 137 members. Bulk mailing would cost the Chapter a \$150 application fee and \$40 to maintain it per year. If in the future we decide to send out a mass mailing, then the STC may want to consider it. However, per our not-for-profit status and bulk mailing privileges, we would be unable to use bulk mailing for solicitation letters.

New Business – Past-President A.J. Teachout reported on the details of the STC domain renewal. Ms. Teachout's recommendation was to reserve our domain name for the next ten years with Network Solutions at substantial savings versus annual renewals as the STC had been doing. The cost would be \$297.50. Treasurer Susan Jablonski made a motion to lock-in the domain name with Network

Solutions for the next ten years at a cost of \$297.50. President-elect Ian Hamilton seconded the motion, and the motion passed by unanimous vote.

President-elect Hamilton reported that the next STC meeting is tentatively in Austin on August 12, 2000, and *The Billet* deadline would be June 9, 2000. The Fall Meeting is tentatively set for November 11, 2000, in Galveston, and *The Billet* deadline would be September 9, 2000. Treasurer Jablonski will find out the dates for the HPS Midyear Meeting and the San Antonio Rodeo and report at the next meeting so that the EC can decide on dates for the next winter meeting and Affiliates Fair.

David Fogle and Jim Sharp will work on obtaining the next STC banner. They will provide price and logo details at the next meeting.

President Fogle reported on the new member solicitation letter writing campaign and will coordinate with Secretary Chris Maxwell on bulk mailing possibilities through Ludlum Measurements.

President Fogle reported that the Chapter has had several requests for STW material that has been developed for Texas. EC member Jim Lewis commented that if we do share the information, then the STC should be mentioned as authors of the material. President-elect Ian Hamilton reported that the Public Education Committee of the national HPS has asked all chapters to sponsor STWs and supply material to the HPS. HPS wants to consolidate the information provided by all contributing chapters. Ian Hamilton assured the EC that proper credit would be given and that the STC is way ahead of the other chapters. Treasurer Jablonski mentioned providing our STW at the National HPS meeting. Ken Krieger asked if

we should submit a paper at the HPS meeting giving the procedures of how to give an STW. Ian Hamilton will contact the Program Committee at National HPS and notify them of our request. President David Fogle appointed a committee entitled Science Teacher Workshop at National HPS. Co-chairs are Ian Hamilton and Susan Jablonski with members Eva Legler, Pete Myers, John Salsman, Ken Krieger, and John Hageman. This committee is charged with putting together the materials for the workshop and presenting the workshop at the National HPS meeting. President Fogle will write a letter to National HPS to accompany the material to be submitted.

John Hageman announced that the 2002 Midyear Meeting would most likely be held in San Antonio, Texas. Mr. Hageman has agreed to chair the event.

Treasurer Jablonski updated the EC on the Texas Environmental Educational Partnership (TEEP) Steering Committee meeting. It contains groups concerned with providing better environmental education to high schools and middle schools. Jablonski would like to get the STC-HPS as one of the recognized members of this steering committee and would like to get a letter from the STC President. All EC members agreed that this would be a good idea. EC member Jim Lewis made a motion to allow Susan Jablonski to represent the STC at TEEP. President-elect Ian Hamilton seconded the motion, and the motion passed unanimously.

Treasurer-elect Mike Charlton mentioned that February 29, 2000, is Radiation Safety Appreciation Day.

President Fogle called for adjournment at 9:00 p.m.

Respectfully Submitted,

Chris Maxwell, STC Secretary

STC TAKES THE ALAMO CITY BY STORM!

Submitted by Ian Hamilton

Ninety+ of the STC faithful descended upon the El Mercado section of downtown San Antonio for the Chapter's first meeting of the new century. The meeting, entitled "South Texas Radiation Safety Conference and Affiliates Exhibition," featured many highlights, including a two-room vendor display area where 21 of the Chapter's 30 affiliates displayed their products and services. Twenty-three affiliates attended in all, bringing the overall meeting attendance to well over 100.

South Texas HPS members heard from a variety of vendors; each was invited to speak for between 10 and 20 minutes. Presentation subjects ranged from waste disposal services to instrumentation to production of radiopharmacy isotopes.

The meeting was punctuated half way through the day when every one rode a trolley from the brand-new Woodfield Suites (the conference venue) to La Margarita Mexican Restaurant and Oyster Bar in the old market area (El Mercado) of San Antonio. Members rode the buses to the restaurant by way of the Alamo and other historic landmarks during a 20-minute tour, which had been arranged by our very own David Fogle.

President Fogle presented numerous awards to a very deserving group of members and Chapter supporters during the luncheon. John Hageman received his Certified Health Physicist plaque, as did Ken Krieger – congratulations to them both for achieving such a milestone in their respective careers. In addition, David presented three very special ladies with awards: Alana Woods, Sheryl Harley, and Darnell Collier, for their years of tireless support of the Chapter

by pulling together each and every issue of *The Billet* (and working with John H.). President Fogle also presented chapter-level awards to the outstanding volunteers in STC-HPS.

STC members boarded the trolleys and returned to the Woodfield Suites for the after-noon talks following the lunch time festivities. Members took in more vendor presentations, as well as an open session, similar to the one in the morning, where people were allowed to mingle with affiliates at their booths. Paul Rohwer, President-Elect of the Health Physics Society, closed the after-noon session with his presentation entitled "The Health Physics Society in the Twenty-first Century." Paul gave a very informative talk wherein he described the inner workings of the Society, and spoke about the vision that Society leadership holds for the near-future. President-Elect Rohwer and his wife Sandy graciously stayed on for our business meeting, and took part in the door prize give away that followed. Paul and Sandy both won door prizes with a collection of tickets presented to them by members of the Texas State Technical College (TSTC) and Texas A&M University (TAMU) Student Branches. Just about every member of TSTC's graduate class won something as well – way to go, people!

Attendees were treated to an open bar after the meeting adjourned. President-Elect and Mrs. Rohwer visited with several members of the TSTC and TAMU Student Branches, as well as President Fogle and Treasurer Susan Jablonski. We owe special thanks to David and Susan for treating the Rohwer's to dinner following the impromptu discussion.

ANNUAL MEETING

**SOUTH TEXAS CHAPTER OF HEALTH PHYSICS SOCIETY, INC.
TEXAS STATE TECHNICAL COLLEGE IDEAS CENTER, WACO, TEXAS
MAY 6, 2000**

Health Physics and Today's Students: The Past, the Present, and a Look to the Future

**Featuring
A Luncheon Presentation by Alan Waltar, Ph.D., PE
Head, Department of Nuclear Engineering, Texas A&M University,
and Former President of ANS**

"Nuclear Technology: Prospects for Our Glowing Future"

Author of the provocative book, "America the Powerless," Dr. Waltar will speak on the prospects for a strong nuclear profession in the 21st century. In addition, Dr. John Poston, former Head of the Department of Nuclear Engineering at Texas A&M, will present a lecture prior to lunch on the history and development of the field of health physics. Dr. Mitty Plummer, Chair of the University of North Texas Nuclear Engineering Technology Program, will follow up the lunch engagement with an update on the new health physics program under development at UNT.

As prescribed by our Bylaws, the objectives for which the Chapter was organized are to aid in the development of scientific knowledge, to provide for and give support to meetings for the discussion of scientific endeavor, to encourage scientific research and education dedicated to the science of radiation protection, and to aid in scientific research and education opportunities in the field of health physics and radiation protection for college and university students and for other scientific and educational purposes. This meeting is dedicated to facilitating all of the ideals on which our Chapter was founded and provides an excellent opportunity to interact with colleagues and students in radiation protection, radiation health, and radiation safety. With its decided vision of the past (historical perspective program content) and toward the future (students and their presentations on innovations), this meeting will provide a rewarding educational experience for all attendees interested in learning more about recent research initiatives and our shared history.

To further benefit attendees and to be in accordance with Article V, Sections 12 and 15, President David Fogle will present a comprehensive report on the "State of the Chapter," and Treasurer Susan Jablonski will present a report on the Chapter financial status.

**4.5 CEUs Awarded for
LMP and MRT Certification**

Agenda

Friday, May 5, 2000

6:30 – 9:00 p.m. Executive Council Meeting, TSTC

Saturday, May 6, 2000

Texas State Technical College Ideas Center

9:00 a.m. Welcome – STC President David Fogle and President-elect Ian Hamilton

9:15 *Prudent Radioactive Waste Management Practices Involving Liquid Scintillation Vial Shredding*
Michael Charlton (G-TAMU)

9:30 *Calibration of the Au-198 Brachytherapy Seeds*
Lucile Dauffy (G-TAMU)

9:45 *Biokinetic Modeling for the Disposition of Pu in the Human Skeletal System*
Donald Halter (G-TAMU)

10:00 Break – Coffee, Assorted Hot Teas

10:30 *History of Health Physics: the Golden Age*
Dr. John W. Poston, Sr.

11:30 Lunch with Distinguished Speaker

**Dr. Alan Waltar
Texas A&M University
"Nuclear Technology:
Prospects for Our Glowing Future"**

	Luncheon Fare <i>Grilled Chicken and Roast Beef</i> <i>Fresh Garden Salad</i> <i>Seasoned New Potatoes</i> <i>Green Beans</i> <i>Squash</i> <i>Rolls</i> <i>Cobbler</i> <i>Beverage</i>	2:00	<i>Problem-Based Learning: An Active Teaching/ Learning Model and Its Applications in the Radiologic Sciences</i> Amy Order G-NC State
		2:15	<i>Static Magnetic Field Effects at Levels Below 5 Gauss</i> Janet McCrary G-UTHSC
12:30 p.m.	<i>Development of a Health Physics Program Under the Auspices of the UNT Nuclear Engineering Technology Program</i> Dr. Mitty Plummer	2:30	<i>Construction and Testing of a 3-D Glow Curve TLD Reader: an Update</i> Ruben Cortez G-TAMU
1:00	<i>Radon Emanation from Antiques Colored with Uranium</i> Danielle Hamilton College Station Jr. High School	2:45	<i>Feasibility of Correlating Positive Ion and Electron Currents in a Double-walled Storage Container and How It Correlates to World Peace</i> Mark Nelson G-TAMU
1:15	<i>A Revised Dosimetric Model for Calculation of Electron Dose in the Small Intestine</i> Nasir Bhuiyan G-TAMU	3:00	<i>State-of-the-Chapter Address</i> David Fogle, President
1:30	Break—Coffee, soda, and assorted pastries	3:30–4:00 p.m.	Business Meeting of the South Texas Chapter (Including Financial Status)

ACCOMMODATIONS

COUNTRY INN AND SUITES

1502 North I-35

Waco, Texas

Ph: 254-799-1766

A block of rooms has been reserved for Friday, May 5, 2000, and Saturday, May 6, 2000, until April 17, 2000, under the name South Texas Chapter of the Health Physics Society. Room rates will be \$69 single/double with some suites available at this rate. Do not delay making the reservation; because other conferences are being held in Waco that weekend, rooms will be scarce. This is a new hotel that serves a complimentary continental breakfast and has a swimming pool.


The Annual Meeting and Student Paper Presentation will be held in the Ideas Center located in the Electronics Building on the campus of Texas State Technical College. Please see the campus map for directions to this building. Once at the Electronics Building, follow the signs to the Ideas Center. Emergency messaging telephone number is 254-867-3300.

Waco Family Attractions

Believe it or not, there are a number of family attractions in the Waco area, including the Texas Ranger Hall of Fame & Museum, the Dr. Pepper Museum, Cameron Park Zoo, the Texas Sports Hall of Fame, and the beautiful Armstrong-Browning Library at Baylor University. The former warehouse area in downtown Waco, along the Brazos River, has been revitalized and converted into great restaurants and shops. Visit the Waco website at www.waco-texas.com for more information.

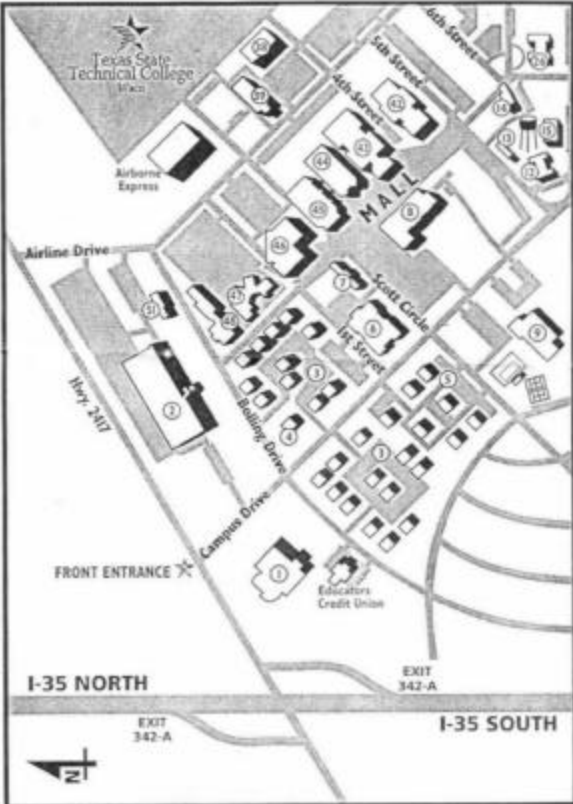
Directions to Hotel and Map to TSTC

To get to the Country Inn and Suites, off I-35, exit Behrens Circle (Exit 338-B). The hotel will be on the south bound (west) side of the freeway.



Texas State Technical College Waco is centrally located in the state. We are only 1½ hours from Austin and Dallas, and only 3 hours from San Antonio and Houston. Take the Texas State Technical College exit off I-35, whether you are traveling north or south. If coming in from east or west of Waco, take I-35 approximately six miles north of downtown Waco.

Specific building directions:
The South Texas Chapter meeting will be held in the IDEAS Center located in the Electronics Building (#43). Enter the campus on Airline Drive.



Campus visitors report to Building 8 for information and a TSTC map.

Registration

Please submit a registration form for each member or guest attending the meeting and mail to the address on the following page.

2000 Annual Meeting Texas State Technical College Waco, Texas

Attendee's Name _____

Attendee's Address _____

City _____ State _____ Zip _____

" STC Member (technical sessions and luncheon) — \$25

" STC Member (technical sessions **ONLY**) — \$20*

" Non-STC Member (technical sessions and luncheon) — \$35**

" Non-STC Member (technical sessions **ONLY**) — \$30*

" Student (technical sessions and luncheon) — \$10

" Need a receipt for this meeting

" Need CEU certificate

Registration (Continued)

Pre-registration will close on April 28, 2000. If you will not be able to attend the meeting, please call and cancel your reservation **PRIOR TO April 28, 2000**. Any reservation **not canceled by April 28, 2000**, will be regarded as a confirmed reservation, and monies will be collected for the meeting. Refunds will be honored only for **cancelations made before April 28, 2000**. Registration fees collected **after April 28, 2000**, or at the door, if space is available, will be \$10 extra.

- * This price **DOES NOT** include lunch. If contemplating on-site purchase, lunch can not be guaranteed on the day of the meeting.
- ** Non members may select option of applying for South Texas Chapter – Health Physics Society membership at the meeting and enjoy privileges of membership at this and future Chapter events.

Mail registration form(s) with your check
(made payable to the STC-HPS) to arrive
before **April 28, 2000**, to:

Mike Charlton, Treasurer-Elect
5303 Hamilton Wolfe, #420
San Antonio, Texas 78229

THANK YOU, THANK YOU, THANK YOU!

Dear David,

Thank you so much for inviting me to the STC meeting and luncheon. It was so nice to be able to put faces with all the names I have become so familiar with after publishing *The Billet* for the STC. I don't think I've ever worked with a nicer bunch.

What a surprise it was to hear my name called out for a Certificate of Appreciation! Never in a million years did I expect to be recognized for a job I love to do so much. Thank you again to you, and to all the Executive Council, for your generosity and thoughtfulness.

Sheryl Harley

Just a little note to say thanks for the Volunteer-of-the-Year Award. I can not tell you just how shocked I was because I didn't even, for one moment, think that my name would be called. I guess I felt that so many others should have been there first. If Pete (Myers) knew, he kept it a secret. I do feel it is a true honor for the Chapter to recognize me in such way, and I thank you and all who were involved.

Thanks, David and the Executive Council for your faith in me.

Karen Myers

Thank you (David Fogle and the South Texas Chapter Affiliate Members) for allowing Sheryl Harley and me to attend the latest South Texas Chapter meeting in San Antonio. Besides being an interesting technical session, and getting to see the product displays, it was an opportunity to put faces with the names we've worked with over the years.

The Certificate of Appreciation, which I received, was a nice surprise and will be hung in my office where I can see it all the time.

Alana Woods

South Texas Chapter – Health Physics Society Chapter Dues Payment/Membership Application Form

(Please Print – This information is used for mailing labels and directory listing.)

Name _____ Business Name _____

Home Address _____ Business Address _____

Home Phone _____ Business Phone _____

Home Fax _____ Business Fax _____

Email _____

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.

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

Nominating Meeting Program Membership Publications

Legislation Public Relations Affiliate Other/Ad Hoc

Student Assistance

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

STC-HPS dues for the year:

Regular membership: \$10.00/yr × _____ Years = \$ _____

Student membership: \$ 5.00/yr × _____ Years = \$ _____

Student Scholarship Fund Donation (tax deductible) = \$ _____

Science Teachers Workshop Donation (tax deductible) = \$ _____

To tal En closed = \$ _____

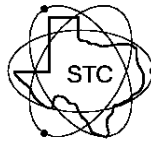
Please mail this form with your check or money order (please do not mail cash) to:

Jim R. Sharp
Membership Committee
P.O. Box 910
Alvin, TX 77512-0910

Phone: 281-316-0052
Fax: 281-316-1028
Email: jsharp713@aol.com



HEALTH PHYSICS SOCIETY
South Texas Chapter
P.O. Drawer 28510
San Antonio, TX 78228-0510
ATTN: John Hageman



SOUTH TEXAS CHAPTER—HEALTH PHYSICS SOCIETY—2000 AFFILIATE MEMBERSHIP ROSTER

The affiliate membership of the South Texas Chapter (STC) is listed below. Our affiliates help support our Chapter's 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.

ADCOSERVICES

LEN WARBIANY
800-282-2326
17650 DUVAN DRIVE
TINLEY PARK, IL 60477
WEB: WWW.ADCOSERVICES.COM

ADIT/ELJEN TECHNOLOGY

CHRIS MAXWELL
800-399-4557
PO BOX 870
300 CRANE STREET
SWEETWATER, TX 79556
WEB: WWW.ADITPMT.COM

AMERSHAM PHARMACIA BIOTECH

CARMEN BROWN
888-573-4732
800 CEN TENNIAL DRIVE
PISCATAWAY, NJ 08855-1327
WEB: WWW.APBIOTECH.COM

APTEC-NRC INSTRUMENTS

BILL RICHARDSON
P.O. BOX H
125 TITAS AVE.
WARRINGTON, PA 18976
WEB: WWW.APTEC-NRC.COM

BICRON NE

JOE BELLIAN
440-248-7400
6801 COCHRAN ROAD
SOLON, OH 44139
WEB: WWW.BICRON.COM

BIONOMICS INC

JOHN MCCORMICK
423-376-0053
PO BOX 817
1391 JAMES FERRY ROAD
KINGSTON, TN 37763
EMAIL: J_MCCORMICK_BIONOMICS@MSN.COM

CANBERRA INDUSTRIES

STEVE VITTATOE
903-297-2987
RT 2 BOX 154F3
GLADEWATER, TX 75647
WEB: WWW.CANBERRA.COM

EBERLINE INSTRUMENTS

SCOTT LAMB
505-471-3232
PO BOX 2108
504 AIR PORT RD
SANTA FE, NM 87504-2108
WEB: WWW.EBERLINEINST.COM

ENVIROCARE

RICK JACOBI
512-219-4048
11782 JOLLYVILLE RD, #211B
AUS TIN, TX 78750
WEB: WWW.ENVIROCAREOFTEXAS.COM

GAMMA LABS

KARL SINGLER
713-973-9461
11020 OLD KATY ROAD, STE. 117
HOUSTON, TX 77043
WEB: WWW.GAMMALABS.COM

ISO-TEX DIAGNOSTICS, INC.

THOMAS MALONEY
281-482-1231
PO BOX 909 (77546)
1511 COUNTY ROAD, #129
FRIENDSWOOD, TX 77546
WEB: WWW.ISO-TEX-DIAG.COM

LND INC

JOSEPH KELLER
516-678-6141
3230 LAWSON BLVD
OCEAN SIDE, NY 11572
WEB: WWW.LNDINC.COM

LUDLUM MEASUREMENTS

DWANE STEVENS
800-622-0828
PO BOX 810
501 OAK STREET
SWEETWATER, TX 79556
WEB: WWW.LUDLUMS.COM

MICROTEC SERVICES INC

QUINTIN STOKLEY
713-475-2274
110 CHARLES ST
PASADENA, TX 77506
EMAIL: QAS.MSI@EVL.NET

NELCO

PAUL HOLSINGER
713-675-3266
4600 HOME STEAD ROAD
HOUSTON, TX 77028
WEB: WWW.NELCO.COM

OWENS SCIENTIFIC INC

JACK OWENS
713-784-8443
11140 WESTHEIMER, PMB 136
HOUSTON, TX 77042-0522
EMAIL: OWNSSCI@FLASH.NET

PERKIN ELMER INSTRUMENTS—

ORTEC
DARRELL SCOGGINS
865-481-2446
801 SOUTH ILLINOIS AVE.
OAK RIDGE, TN 37830
WEB: WWW.ORTEC-ONLINE.COM

PERMA-FIX ENVIRONMENTAL SERVICES

BEN WARREN
800-365-6066
1940 NW 67TH PLACE
GAINESVILLE, FL 32653-1692
WEB: WWW.PERMA-FIX.COM

PHOENIX SCIENTIFIC SALES

BILL TUCKER
770-642-8529
PO BOX 2074
ROSWELL, GA 30077
EMAIL: PHOENIXSALES@MINDSPRING.COM

PROTECHNICS ENVIRONMENTAL SERVICES INC

LARRY J STEPHENSON
281-496-3734
1160 DAIRY ASHFORD, STE 444
HOUSTON, TX 77079

PULCIR INC

JOE EDDLEMON
423-927-6358
9209 OAK RIDGE HWY
OAK RIDGE, TN 37830-3500
WEB: WWW.PULCIR.COM

RADIATION TECHNOLOGY

W G (JACK) HENDRICK
512-346-7608
PO BOX 27637
AUS TIN, TX 78755

SOUTHWEST RESEARCH INSTITUTE

HONORARY AFFILIATE
6220 CULEBRA RD
SAN ANTONIO, TX 78238-5166
WEB: WWW.SWRI.ORG

SUNTRAC SERVICES

ROB O'DONEL
281-338-2133
1818 E MAIN ST
LEAGUE CITY, TX 77573
WEB: WWW.SUNTRAC.COM

TELEDYNE BROWN

ENGINEERING
DAVE HENRY
256-726-1922
M/S 143
HUNTSVILLE, AL 35805
EMAIL: DAVE.HENRY@TBE.COM

THE DELPHI GROUPE INC

RON D GAUNY
512-462-1181
2211 SOUTH IH-35, STE 400
AUS TIN, TX 78741
WEB: WWW.DELPHIGROUPE.COM

THE SOURCE INC

MIKE ORTIZ
505-473-9538
PO BOX 22550 (87502)
2810 SILER LANE
SANTA FE, NM 87505
WEB: WWW.THE-SOURCE-INC.COM

TN TECHNOLOGIES

RALPH S. HEYER
512-388-9287
PO BOX 800 (78680-0800)
2555 NORTH IH -35
ROUND ROCK, TX 78664
WEB: WWW.TN-TECHNOLOGIES.COM

TSTC

HONORARY AFFILIATE
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