

THE BILLET

Health Physics Society ♦ South Texas Chapter ♦ Radiation Safety Specialists

South Texas Chapter LONGEST STANDING, CONTINUOUSLY ACTIVE MEMBERS

By Karen Myers, Public Relations Committee



This is the third in a series of articles highlighting the longest-standing, continuously active members of the South Texas Chapter (STC). Articles on Ed Bailey (1965) and Stu Bushong (1966) appeared in The Billets dated July and October 2000, respectively. While waiting for additional information on Adrian LeBlanc (1966) and John Simek (1966), this article highlights David Norman (1970).

David Norman was born in Fort Worth, Texas, on July 17, 1945, and spent his childhood in Graham, Texas. Dave spent four years in the Air Force (1964–1969), first at Keesler AFB, Mississippi, where he received training in Ground Radio Communications. He then served in that capacity at Laredo AFB, Texas (1966–1968), and Yoza Daka Air Station in Okinawa (1968) before his discharge in June 1969. In December 1969, he moved to Houston, Texas, where he was hired by Dresser Atlas Well Logging Services in their radiation safety department. David's educational background collectively came from Houston Community College and the University of Houston where he studied Safety and Environmental Technology. He also took



courses from Robert Waggener at the University of Texas Health Science Center in San Antonio on Basic Radiation Safety and Advanced Radiation Safety, and UTHSC-SA's Radiation Safety Officer Course.

While at Dresser Atlas (later Western Atlas, then Baker Atlas), he spent 29 years in all aspects of radiation safety. David indicated that "the most challenging part was handling incident investigations, and the most interesting part involved [his] worldwide association with personnel and regulatory agencies." David is most proud of teaching radiation safety classes to field personnel worldwide. When asked to identify the people most important in furthering

his career, David replied, "David Muir (his first boss at Dresser Atlas), Dr. Richard Neff, Bob Gallagher, and Phil Sandel among many others."

David served as STC President twice (1987–1988 and 1997–1998), Treasurer twice, on the Executive Council twice, and is currently the Technical Editor for STC's newsletter, *The Billet*. His dedication does not stop with STC, for he also served at the national level on the Health Physics Society Legislation and Regulation Committee and is currently a member of the HPS Radiation Safety Officer Section as nominations chairperson.

When asked why he has maintained membership in STC for so long, David replied, "It is like being part of a 'family,' which includes keeping secrets about some of the after-meeting parties. Additionally, I [will] always remember Phil Sandel saying that I am no longer eligible for door prizes at vendor meetings." David remembered that "I was the chapter treasurer the year we had one of the Vendor meetings in San Antonio where door prizes were given. During the giveaway, my ticket was picked to win the top prize of a portable television. Phil remembered this the next year, and while calling out numbers, he kept telling everyone that if my number came up I was not allowed to get any more door prizes."

David married Karen Steward in 1971. They have a daughter, Cynthia, now married to Adam Pelletier and living in Manchester, New Hampshire. In 1998, David started NORM-Rad Services, which provides training and consulting in radiation and environmental services. In 1999, he and Karen moved back to his hometown of Graham, Texas, where he is still actively involved in providing health physics training and consultative services. ♦

THE BILLET

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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.

Houston, We Have a Problem...

By Susan M. Jablonski, STC President-Elect

When time for the morning session approached, and the first invited speaker was not in attendance, the day was certain to be long, and the success of the Fall Meeting of the South Texas Chapter (STC) looked in danger. However, with a little ingenuity and a penchant for verbosity from the remaining scheduled speakers, the meeting came off without a hitch, and many of the attendees stopped by on the way out into Space Center Houston to say that the meeting was certainly timely, relevant, and informative.

Purely by coincidence, the Fall Meeting's topic and agenda was constructed independent of the November 2000 edition of the *HPS Journal* that just so happened to feature space radiation biology. Included in that edition of the *Journal* were papers written by some of the meeting's scheduled presenters.

The day started with a brief welcome and agenda orientation by STC President-Elect Susan Jablonski. Launching directly into the technical session, Dr. Francis Cucinotta, Lead Physicist for NASA Radiation Health Office, presented a thorough discussion on biological effects of space radiation. Following a morning break including beverages and breakfast pastries, Leslie A. Braby, Ph.D., Research Professor in the Nuclear Engineering Department at Texas A&M University, followed with an evaluation of cosmic ray dose and radiation quality factors. The caliber of the morning speakers was truly outstanding.



Susan Jablonski, President-Elect, (far right) talks with TAMU students (left to right) Amy Houck, David Hearnberger, Josh Shoenvogel and Matt Arno during a break at the meeting.

Lunch featured a scrumptious meal consisting of grilled herb chicken in pesto sauce and beef tips a la cabernet; herbal rice and green beans almondine; broiled roma tomatoes, blue cheese and chive potato salad; a selection of fabulous desserts and varied selection of beverages. Following the meal, Dr. Ian Hamilton provided the luncheon presentation on chapter activities and a synopsis of the executive council meeting held the previous evening.

Ms. Cindy Cardwell, Deputy Director, Licensing, Registration & Standards, Bureau of Radiation Control, TDH, followed the luncheon with a presentation and discussion period related to the work being conducted by the National Materials Program Working Group. Enabled by the US Nuclear Regulatory Commission, the Working Group was established to review and make recommendations on a national radioactive

materials regulatory program. After an introduction to the Group's charge and work to date, Ms. Cardwell opened the floor to discussion in hopes of receiving input from the regulated community. A great deal of discussion on regulatory business practices, perceptions, and measures ensued with numerous chapter members providing valuable input.

The day concluded with an afternoon break featuring cookies and assorted beverages. Meeting attendees enjoyed the remainder of the day taking in the various activities and attractions at Space Center Houston. Special thanks to Aaron Van Baalen who provided STC members with a special tour and familiarization of the Skylab module. Thanks are also given to former STC Board Director, Mary Van Baalen for assisting in preparing the local arrangements and speakers. ♦

STC Mentoring Program Initiative - Attention Students and New Attendees

STC-HPS will be carrying out a pilot mentoring program at the January 2001 meeting in San Antonio. This exciting initiative is a great way to expand our members' networking contacts and get new members more involved in our Chapter. This pilot program is designed to bring together new attendees and student protégés with experienced members of the STC-HPS. The goal of this program is to increase the communications between the present generation of health physics professionals and the health physicists of tomorrow.

This STC program will serve as a pilot for a larger program that will be proposed to HPS National very soon. We need the whole STC to help make the program a successful one. Mentors and new attendees are matched up according to their interests and will spend time together at the meeting. The protégés will be able to

ask questions of the mentor about how the society works, benefits of being a member, and about their area of interest, and they will be introduced by the mentor to other people at the meeting with similar interests.

So, please sign up to participate in the mentoring program on your January 2001 meeting registration form in this issue or on your membership renewal form. If you wish to show someone around the meeting and share some of your experience, sign up for this opportunity to be a mentor for the STC. If you are a student or new attendee and would like to expand your network at the meeting, sign up as a protégé; there will be no better way to get to know everyone at the meeting. Please contact Ken Krieger at (409) 772-5152 or by electronic mail at kvkrieger@utmb.edu if you have any questions about this pilot program. ♦

Belated Special Thanks to TN Technologies

(Part of Thermo Electron)

On behalf of the STC-HPS officers and membership, we would like to thank TN Technologies for helping to sponsor the refreshment breaks at the May 2000 Austin Meeting. We apologize for forgetting to mention TN Technologies in the October 12th edition of *The Billet*. We again thank all of our generous affiliate sponsors who contributed to the August meeting, making this Regulatory Conference an overwhelming success. Please remember TN Technologies and all of our affiliates when you need radiation services and supplies. Look for these affiliates at the South Texas Annual Radiation Safety Conference and Affiliates Exhibition in San Antonio on January 20, 2001. ♦

UTHSC-Houston PET Radiopharmaceuticals Seminar



Pictured L to R: Dr. Bob Emery, Dr. Carlos Gonzales, Mr. Ray Jisha, and Dr. K. Lance Gould

With the rapid growth of Positron Emission Tomography (PET) imaging and radiopharmaceutical use comes the need for specialized information and training. On October 25, 2000, the University of Texas Health Science Center at Houston's (UTHSC-H) School of Public Health's Southwest Center for Occupational & Environmental Health sponsored the seminar, "Safety Associated with the Expanding Clinical Use of PET Radiopharmaceuticals." The session was designed to provide a forum for discussion of the emerging trends in PET usage, the safety aspects of PET radiopharmaceuticals and associated expanding PET regulations. Dr. K. Lance Gould, of The Weatherhead PET Center at UTHSC-H, began the session with a presentation on the medical and clinical applications of PET imaging, followed by Dr. Carlos Gonzales-Lepera, Director of the UTHSC-H Cyclotron Facility, who presented the production, delivery and logistics of PET radio-

pharmaceuticals. Dr. Bob Emery, Executive Director of UTHSC-H Environmental Health and Safety, discussed radiation safety issues associated with PET, and Mr. Ray Jisha, Chief of Medical and Academic Program Division of Licensing, Registration & Standards-TDH BRC, expanded on the regulatory requirements of PET licensing and radiopharmaceutical use.

The presentations stimulated numerous questions and comments, and the feedback from the program attendees was extremely positive. The resounding comments related to the variety of expertise and information presented on this expanding clinical practice. UTHSC-H intends to provide more educational sessions on PET in the future as more clinical applications and sites come online. For more information, please contact UTHSC-H Environmental Health and Safety at 713-500-8100.

Special thanks to the Bureau for its support and professional expertise in this class. ♦

Minutes of the Executive Council Meeting of the South Texas Chapter of Health Physics Society, Inc. Holiday Inn NASA, Houston, Texas November 11, 2000

I. Persons in Attendance:

A. Executive Council (EC) members in attendance: Ian Hamilton, President; David Fogle, Past-President; Susan Jablonski, President-Elect; Pete Myers, Secretary; Jim Lewis, Executive Council Member; John Salsman, Executive Council Member.

B. Chapter members and guests in attendance: John Hageman, Chairperson, Publications Committee; Janet McCrary, Chairperson, Nominating Committee; Linda Morris, Chairperson, Student Assistance Committee; Karen Myers, Chairperson, Public Relations Committee; Jim Sharp, Admissions Committee; Bob Wilson, Chairperson, Legislative Committee; David Cadena; Ken Krieger; Stacy Krieger.

II. Call to Order - Ian Hamilton. A quorum having been established, the meeting of the Executive Council of the South Texas Chapter of Health Physics Society, Inc. (STC), was called to order at 6:45pm by Ian Hamilton, President.

III. Approval of Minutes of EC Meeting on August 11, 2000 - Ian Hamilton. President Hamilton asked the EC if there were any changes to be made to the minutes of the meeting held August 11, 2000. Susan Jablonski indicated that one of the student scholarship winners' names was spelled incorrectly: Jane Abroski should be changed to "James Oravsky." David Fogle moved to accept the minutes as amended; John Salsman seconded the motion; and the EC voted unanimously to accept the minutes as written and published in *The Billet*, Volume 21, Number 4, October 12, 2000, with Jane Abroski changed to James Oravsky.

IV. Approval of the Agenda - Ian Hamilton. The agenda for the November 11, 2000, meeting was approved by unanimous vote of the EC with minor changes. Susan Jablonski was to provide the Treasurer's report and moved the Student Assistance Committee report to after the Secretary's report.

V. President's Report - Ian Hamilton:

A. Committee Chairperson Selectees read into the record:

- (1) Admissions - Jim Sharp (>3 years)
- (2) Program - Susan Jablonski, President-Elect (1st year)
- (3) Public Relations - Karen Myers (2nd year)
- (4) Nominating - Janet McCrary (1st year)
- (5) Affiliates - Ralph Hecy (1st year)
- (6) Legislative - Bob Wilson (1st year)
- (7) Publications - John Hageman (>3 years)
- (8) Student Assistance - Linda Morris (3rd year)
- (9) Science Teacher Workshop - David Fogle (1st year)

B. In accordance with Section 5 of the South Texas Chapter of Health Physics Society, Inc. Bylaws, following a motion by Pete Myers, Secretary, the EC unanimously voted to specifically except the following appointments of persons to serve as Chairpersons of Committees for greater than three years:

(1) John Hageman, Publications Committee Chairperson. As long as *The Billet* is published by the Southwest Research Institute, the Editor of *The Billet* shall be specifically excepted from the requirement of Section 5 of the Bylaws.

(2) Jim Sharp, Admissions Committee Chairperson. Because we were now at the mid-point of President Hamilton's term, it was decided that it would be impractical and disruptive to request the President to select another person to serve as Chairperson, Admissions Committee; that Mr. Sharp would serve for the remainder of President Hamilton's term. Ms. Jablonski reminded the EC that the incoming President should have committee chairpersons selected for appointment at the Annual Meeting in May and that any selections that should require consideration for special exception by the EC would be dealt with at the beginning of the incoming President's term instead of at the mid-point of the term.

C. In an effort to streamline EC meetings, the following procedures should be instituted:

(1) Persons wishing to present proposals to the EC should submit an explanation of the proposal to the EC members at least 2 weeks prior to the EC meeting. This will allow each EC member to become familiar with the proposal prior to the meeting and allow less time to be dedicated during the meeting to understanding the proposal.

(2) EC members and committee chairpersons should let the President know a few days in advance of the EC meeting how much time they will require during the EC meeting to provide their report to allow the President better plan for the meeting.

VI. Treasurer's Report - Susan Jablonski for Mike Charlton

A. Ms. Jablonski indicated that she had some questions on the report, which she would address with Mr. Charlton. A finalized report would be circulated to the EC by e-mail for approval.

B. The following reimbursements were approved:

- (1) \$119 to David Fogle for crates in which Science Teacher Workshop teacher handouts are placed.
- (2) \$528 to Susan Jablonski for tickets to Space Center Houston.
- (3) \$44 to Pete Myers for the STC Post Office Box annual fee.

VII. Secretary's Report - Pete Myers

Received two \$150 checks from GE Engineering Services (probably for Affiliate Membership Dues), McAllen, TX (one was received in September, and the other was received in November). No letter accompanied either check providing any indication of who sent the checks or the purpose of the checks. Both checks have been mailed to Mike Charlton for processing; copies of the checks were given to Susan Jablonski who said she would contact the company for more information.

VIII. Standing Committee Reports

A. Admissions - Jim Sharp

(1) Following a motion by John Salsman and second by Susan Jablonski, the EC voted unanimously to approve the 13 new members whose applications had been referred to the Admissions Committee, including John R. Pickett, Numed, Inc. Mr. Pickett's membership is contingent upon confirmation by the Affiliates Committee that Mr. Pickett is not the person through which Numed's Affiliate membership was issued.

(2) The President requested that Karen Myers, Chairperson, Public Relations Committee, coordinate with Bob Emery to submit an article to the *HPS Newsletter* regarding STC-HPS's new program that automatically awards student-membership status to persons who graduate from UTHSC-H's 40-hour RSO course in the Chapter at a discount membership fee for one year.

B. Program - Susan Jablonski

(1) The next meeting will be the Affiliates Meeting, January 20, 2001, in San Antonio.

(a) In addition to typical expenses associated with hosting the annual visit by the HPS President-Elect (room and board) and because of scheduling difficulties, STC-HPS may need to pay \$280 plus tax to fly HPS President-Elect Anastas from Albuquerque to San Antonio and return if we want to have him visit.

(b) In an effort to provide additional benefits/services to our membership, Bob Emery and Ian Hamilton are planning to provide a free one-hour continuing education presentation on Accident Dose Reconstruction from 7:30am to 8:30am, prior to the typical schedule associated with an Affiliates Meeting. Bob will discuss External Dose Reconstruction, and Ian will discuss Internal Dose Reconstruction. The long-term intent is to provide a continuing education class at each meeting.

(2) The following meeting will be the Annual Meeting, May 5, 2001, in College Station.

C. Public Relations - Karen Myers

(1) Submitted an article to the *HPS Newsletter* on the May 6, 2000, meeting held in Waco. The article was published in the November 2000 issue.

(2) Submitted an article to the *HPS Newsletter* on the August 12, 2000, meeting held in Austin. The article will be published in the December 2000 issue.

(3) Submitted to *The Billet* a photo to accompany Susan Jablonski's article on the August 2000 meeting held in Austin.

(4) Submitted an article to *The Billet* on Stewart Bushong, STC's next longest-standing, continuously active member. The article was published in the October 2000 issue. The next person to be highlighted is David Norman (1970).

(5) Have received a response from one of the students selected to write an article regarding the current activities of STC scholarship winners; planning that the response will serve as the basis for the first in a series of articles on STC scholarship winners submitted in time for the next issue of *The Billet*.

(6) Updated the "Synopsis of Position Statements of the Health Physics Society" to be included in the next STC-HPS Membership Directory. Passed to Jim Sharp, Chairperson, Admissions Committee.

D. Nominations - Janet McCrary

(1) Preparing to nominate John Hageman for membership on the HPS Executive Council.

(2) Received notification August 14, 2000, that Rebecca Middleton was approved for membership on the Texas Board of Licensure for Professional Medical Physicists.

IX. Appointed Committee Reports

A. Affiliate Membership - Ian Hamilton for Ralph Heyer

(1) Goal is to keep the affiliate members we have and bring in new members. Part of plan is to increase the value of becoming an Affiliate member and maintaining that Affiliate membership.

(a) Will begin printing profiles of Affiliate members in *The Billet*. The profiles should be no larger than one-half page (including photo/graphic).

(b) Will begin accepting Affiliate advertisements to be included in *The Billet*.

(1) Should be no larger than one-quarter page.

(2) Cost per one-quarter page advertisement will be determined, but may be in the \$50-\$75 dollar range.

(3) Ralph Heyer, Chairperson, Affiliates Committee, recommended by e-mail to Ian Hamilton, President, that the order of appearance of the advertisements should be based on the number of years with the Chapter.

(2) Income from advertisements will be split between (i) funding for Science Teacher Workshops and Science Fairs; and (ii) reimbursing some of the additional expenses incurred by Southwest Research Institute (SwRI) associated with publishing larger editions of *The Billet*.

B. Legislation - Bob Wilson. Prepared letter for President Hamilton's signature offering the STC as a valuable resource in addressing all issues related to radiation. The letter may be sent to the Chairperson of the House Environmental Regulation Committee, the Chairperson of the Senate Regulation Committee, and the Office of the Governor.

C. Publications - John Hageman

(1) A revised format for *The Billet* was presented to and approved by the EC, with minor suggestions.

(2) The consensus of the EC was that, while excited by the prospect of providing higher visibility to our very valued Affiliate members, *The Billet* should not become dominated by Affiliate profiles and advertisements, that perhaps, only four pages of *The Billet* should contain either Affiliate profiles or advertisements [see IX.A.]. John Hageman will prepare proposed rates and guidance for advertising in *The Billet* for review by SwRI Publications Services staff and the Affiliates Committee Chairperson, Ralph Heyer.

D. Student Assistance - Linda Morris

(1) Noticed that the financial plan had included 2 scholarships of \$1000 each; wanted to reinforce the desire to maintain 3 scholarships of \$750. EC agreed.

(2) Starting to encourage students to submit for scholarships.

(3) Receiving commitments from STC membership to serve as judges at Regional Science Fairs:

(a) Houston - Janet McCrary, Ken Krieger, Stacy Krieger

(b) Austin - Susan Jablonski

(c) College Station - John Salsman

(d) San Antonio - John Hageman

E. Science Teacher Workshop - David Fogle

(1) Next Science Teacher Workshop to be conducted in Sweetwater, December 9, 2000. Thanks to Robert Ludlum for doing the leg work.

(2) Just presented a workshop in College Station; 27 teachers attended. Thanks to TAMU students Amy Houck, Matt Arno, Bob Berry, and Ruben Cortez who provided extraordinary support.

(3) Following a request from Pauline Jones of the Canadian Radiation Protection Association (CRPA), the STC has put forth a proposal to the National HPS Board of Directors for funding the STC's participation in the CRPA's Summer Meeting in Nova Scotia, Canada. At this point, we're waiting to hear from the HPS Board of Directors on the acceptance of the proposal. The CRPA and the STC have committed to providing various levels of funding for this initiative.

X. Old Business

A. Financial Plan - Ian Hamilton for Mike Charlton. Requested EC members to review the plan and provide comments to Mr. Charlton before the next meeting.

B. STC Old Goat/Goatess Award - Ian Hamilton. Will be an unofficial award presented to the longest-continuously active member in attendance at the Annual Meeting; the person receiving the award will have their name added to a brass plaque which will be added to the award. Thanks to Dave Cadena for his effort in creating the award which is expected to contribute to a sense of fun and camaraderie within the Chapter.

C. Letter to Time Magazine - Ian Hamilton. Ian indicated that he would publish both the letter and reply when I received a reply. In addition, he said that he was going to offer the other professors in his department a chance to write a joint-effort letter to same.

D. RSO Navigator - Ian Hamilton for Bob Emery. While in development, the draft Navigator will be uploaded to Ian Hamilton's server at TAMU. Access to the document will be password protected so that only approved authors can provide comments and text and authors can coordinate among each other. Bob Emery has looked into publication costs, which are estimated at \$1000.

E. Mentoring Program - Ken Krieger

(1) President Hamilton requested that Mr. Krieger organize a mentoring pilot program to be tested within STC. Both mentors and

proteges will be identified with the intent of optimizing the proteges' beneficial experiences in attending STC meetings and becoming active in HPS activities.

(2) Mr. Krieger will coordinate with Ms. Myers, Chairperson, Public Relations Committee, to submit an article to the *HPS Newsletter* suggesting that the STC's mentoring program be used as a model to be adopted by HPS.

F. New "Student" Membership - Bob Emery. Mr. Emery will coordinate with Ms. Myers, Chairperson, Public Relations Committee, to submit an article to the *HPS Newsletter* suggesting that the STC's new student membership program could be used as a model to be adopted by HPS [see VIII.A.(2)].

XI. New Business

A. Enhanced Electronic Posting of Texas Regs on STC Web Site - Jim Lewis

(1) Jim Lewis' first iteration of a test bed version of enhanced Texas Regulations are available at http://129.115.106.8/BRC_rules/202test.pdf

(2) EC Members were requested to test Jim's enhanced regulations and provide comments on the worthiness of the product. Jim will wait for guidance from the EC to determine if he should continue working on the project.

B. TN Technologies Thank You - Ian Hamilton. Ian Hamilton will write a note of gratitude to Ralph Heyer, TN Technologies, Inc., for the generosity shown by donating \$100, which went toward defraying the cost of break snacks and refreshments at the STC Meeting in Austin, May 6, 2000. Ian's article, or a portion thereof, will be published in *The Billet*.

C. New Meeting Dates - Susan Jablonski

(1) January 20, 2001, San Antonio [see VIII.B.(1)]

(2) May 5, 2001, College Station [see VIII.B.(2)] ♦

Update on New Mexico and Chris Pollard

Christine G. Pollard, CHP

On September 21, 2000, I was appointed by New Mexico Governor Gary Johnson to be a member of the Radiation Technical Advisory Council (RTAC). It is the advisory board to the New Mexico Radiation Protection Program, which is part of the New Mexico Environment Department. RTAC is the equivalent of the Texas Radiation Advisory Board, except there are only 6 members. New Mexico is an

Agreement State. The NM program is very small compared to Texas!

This spring and summer I served on the Regulation Negotiation Committee for the NM Radiation Protection Program. The committee helped the Rad Control Program develop draft fee rules for NM licensees. The draft rules were then presented to the RTAC. (Remember back to the early 1980s? I was Chief of the Standards Branch in TX

and wrote the first fee rules in Texas! Somehow, fees never seem to leave my career!) After I served on that committee, I was nominated to serve on the RTAC, on which I will serve a five-year term.

I am still working for what used to be Rogers & Associates Engineering Corporation, which was bought by URS Corporation, as a Health Physicist. I do health physics consulting work, mainly in the areas of radioactive

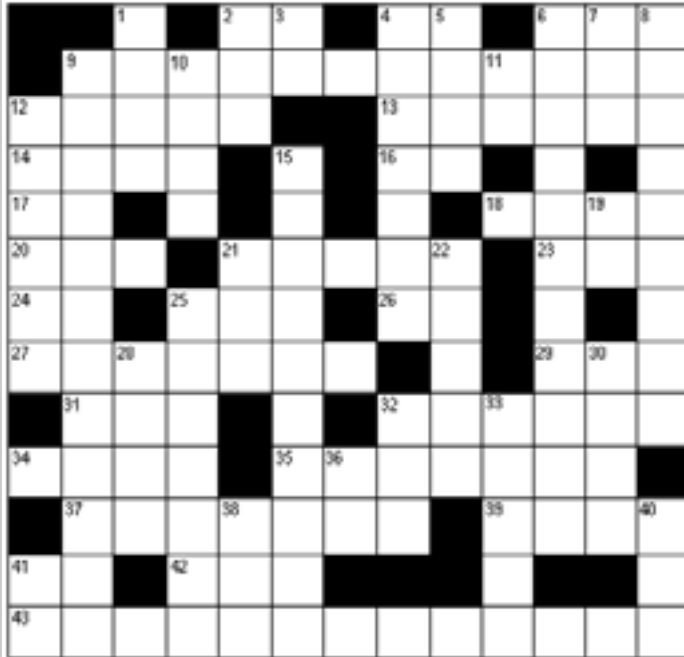
waste management and regulatory compliance. I am looking forward to serving on the RTAC because it will keep me up to date with current radiation-related regulatory issues.

I hope you all have wonderful Christmas holidays, and if I don't see you sooner, I'll be at the STC breakfast meeting in Cleveland, OH! Tell those STC members hello for me! ♦

[Rick Jacobi asked Christine Pollard to write this article for The Billet—Editor.]

Crossword Puzzle "Detectors"

By Ken Krieger



Across

2. Laughter
4. Strontium
6. Zigs partner
9. Scintillation crystal
12. Fish
13. Something borrowed
14. High efficiency alpha detector
16. I Think Therefore ___ ___ (abrev)
17. Radon
18. Largest Continent
20. It is
21. Ancient name
23. Vase
24. ___ ___ Joe
25. Public Education Committee
26. New Hampshire
27. Snow vehicles
29. Florida State University
31. Land Trust Alliance
32. Element
34. ___ West (actress, pl)
35. Not natural
37. State of distress
39. Agree, grant (var)
41. Negative
42. Employ
43. Gas flow _____ counter (pl)

Down

1. Large company
2. Out of sight
3. Gold
4. Semiconductor material
5. Space
6. Alpha detector crystal
7. Cool summer drink
8. Semiconductor detector
9. Light producing material
10. Amount of radiation exposure
11. District Attorney
12. Small pieces of parsley
15. Measures R
19. Infrared
21. Electroencephalograph
22. Large hole
25. Legume broth
28. Roman road
30. Took one to court
32. Lowest whole number
33. One who works with brick
36. Aluminum
38. Club for Servicemen
40. Curve
41. Neptunium

Finding a Way Through the Safety Forest with Adobe Acrobat

Jim Lewis

In my experience, it's difficult to find information and navigate in safety publications. Printed manuals or rules often lack an index, something most formal scientific publications are seldom without.

Web-based publications can be indexed by powerful computer search engines. However, one has to fire up ye olde computer to read a web publication, and it is easy to get lost in navigating web pages. Perhaps reflecting these considerations, a recent survey showed STC-HPS members decidedly preferred paper over electronic formats for the STC membership directory.

As illustrated by *The Billet* and the BRC rules, the Adobe Acrobat PDF format combines many of the advantages of print and electronic formats. A document can be formatted with all the standard, comfortable conventions and elegance of print yet easily be put "on-line" for one-click downloads. The Acrobat dual-purpose format can easily be created from the output of any computer program, including WordPerfect® and Microsoft Word®, essentially by printing to disk.

Indexed searching and browsing of an electronic Acrobat file is possible while maintaining a print-based interface (see www.dtsearch.com for a free trial download). Authors can add several additional enhancements to Acrobat files to aid readers in navigating and finding information much faster than possible with printed paper. Page references in a Table of Contents or in cross-references can be made into automatic hyperlinks. A document structure of chapters, sections, subsections, etc., can automatically be turned

into a navigation pane containing hierarchically organized "bookmarks," allowing the electronic reader to always keep the overall structure of the document in view and to quickly jump anywhere (and back) without getting lost. A real index for print or for the web with live hyperlinks is easy to generate with help from Adobe Framemaker. Named destinations allow specific locations within documents to be easily referenced from other PDF files or from HTML. PDF Documents can also be digitally signed and secured against alteration or even copying. If you read PDF using Acrobat itself, you can add your own annotations and index/search on your annotations as well as on document content.

To show these PDF concepts in action, I have put "enhanced" versions of 25 TAC §289.202 (BRC RAM regs) and the October, 2000 issue of *The Billet* at <http://home.satx.rr.com/jimlewis/>. Let me know what you think about finding safety information in Acrobat format. jlewis1@satx.rr.com ♦

Membership Application Form

To save space, the STC-HPS membership application form is not included in this issue of *The Billet*. If you are interested in applying for or renewing your membership, please refer to a previous printed issue of *The Billet* or print a copy of the application from the STC-HPS website. The URL is <http://www.stc-hps.org/form2k.pdf>.

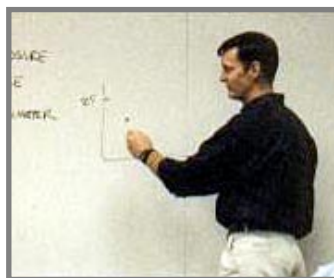
Science Teacher Workshop Presented at CAST 2000

By John Salsman, Executive Council Member

Texas A&M University recently hosted CAST 2000, the Conference for the Advancement of Science Teaching, which is the annual meeting of the Science Teachers Association of Texas. The South Texas Chapter took this opportunity to host another patented (practically) Science Teacher Workshop (STW) on Saturday, October 14.

What better place to put on the STW, with hundreds of teachers already in town? The only challenge was letting them know about the course. This proved slightly more difficult than one might think. Several of the attending teachers commented that the title of the course (assigned by CAST) and where it was listed in the CAST program did not make it appear to be something science teachers would be interested in (something to work on for next year). In spite of this slight problem, 27 middle and high school teachers were in attendance.

Past-President and STW Chairperson, David Fogle performed his usual magic and



gentle arm twisting to line up a colorful cast of speakers. Chapter President Ian Hamilton took care of the local arrangements and signed up several TAMU students to help with photocopying and practical demonstrations.

The workshop lasted all day. In spite of this, virtually every teacher commented on how much good information they had received and how easy it

was going to be to incorporate it into their classroom. This is what makes the STWs worthwhile and why the people involved gladly donate their time.

You may or may not know that attending the STW is free for all teachers. Free for the teachers, does not mean free for STC. Fortunately, we were able to help defray the cost with some funding from the American

Nuclear Society. A special note of thanks goes to TAMU students Amy Houck, Matt Arno, Bob Berry, and Ruben Cortez who provided extraordinary support. The next scheduled STW is slated for Sweetwater, Texas, on December 9. Everyone in the STC probably knows a couple of science teachers. Why not take the time and invite a teacher to a future workshop. ♦

Infinite Energy: EEOC (Equal Employment Opportunity Commission) Rules that Cold Fusion is a Religion

The first paragraph of this article is reprinted with permission from Robert Park, author, and is taken from the internet's, "What's New" column, dated August 18, 2000, which is published by the American Physical Society. <http://www.aps.org/WN/WN00/wn081800.html>.

Paul LaViolette was terminated by the Patent Office on April 9, 1999. He had been recruited by patent examiner Tom Valone, who issued an e-mail appeal for "all able-bodied free energy technologists" to "infiltrate" the Patent Office (Science, V.284, p.1254, May, 1999). It was Valone, you will recall, that organized the much-traveled Conference on Future Energy (*What's New*, April 30, 1999). Claiming he was fired because of

his belief in cold fusion, LaViolette turned to the Equal Employment Opportunities Office. He argued that his belief in cold fusion amounted to a religious belief. Actually, LaViolette believes in lots of stuff, like the B-2 bomber relies on antigravity technology (*What's New*, November 20, 1998). Anyway, on 7 July (2000), the EEOC ruled that cold fusion is indeed [a] protected religious belief. This appears to confirm what many have been saying all along.

Also, to give a little more background on Dr. LaViolette. At an Infinite Energy Meeting, Hal Fox reported in *New Energy News*, Vol. 3, No. 9, February 1996, that Paul A. LaViolette made a presentation entitled "Loopholes in the First Law - Cosmic Evidence?" This presentation is discussed on page 17 of in *New Energy News*, in an article written by Paul LaViolette, "Brown Dwarf Discovery Confirms Theory of Spontaneous Energy

Generation." Hal Fox also directs the reader to another work of Paul LaViolette, "Beyond the Big Bang, Ancient Myth and the Science of Continuous Creation," published in 1995. <http://www.padrak.com/ine/INFENGMTG.html> ♦

[Editorial Comment: When I stopped laughing I just sat and shook my head—John P. Hageman.]

South Texas Chapter of Health Physics Society, Inc.
Affiliates Fair and Winter Meeting
Joint Meeting of the STC-HPS, Texas A&M University and Texas State Technical College Student Branches
Four Points Sheraton Hotel Riverwalk - San Antonio
January 19-20, 2001

South Texas Annual Radiation Safety Conference and Affiliates Exhibition

featuring Health Physics Society President-Elect

George Anastas, CHP

Once again the South Texas Chapter of Health Physics Society, Inc. (STC-HPS) returns to the beautiful San Antonio Riverwalk for its Winter Meeting. As in the past few years, the

Chapter takes this time to thank our all-important affiliate membership for their support and association with the STC-HPS. This meeting affords an opportunity for the affiliate members to familiarize and

educate Chapter members on new products, recent innovations, and continuing research and development in their areas of expertise. Besides educating the membership during the technical sessions, affiliate

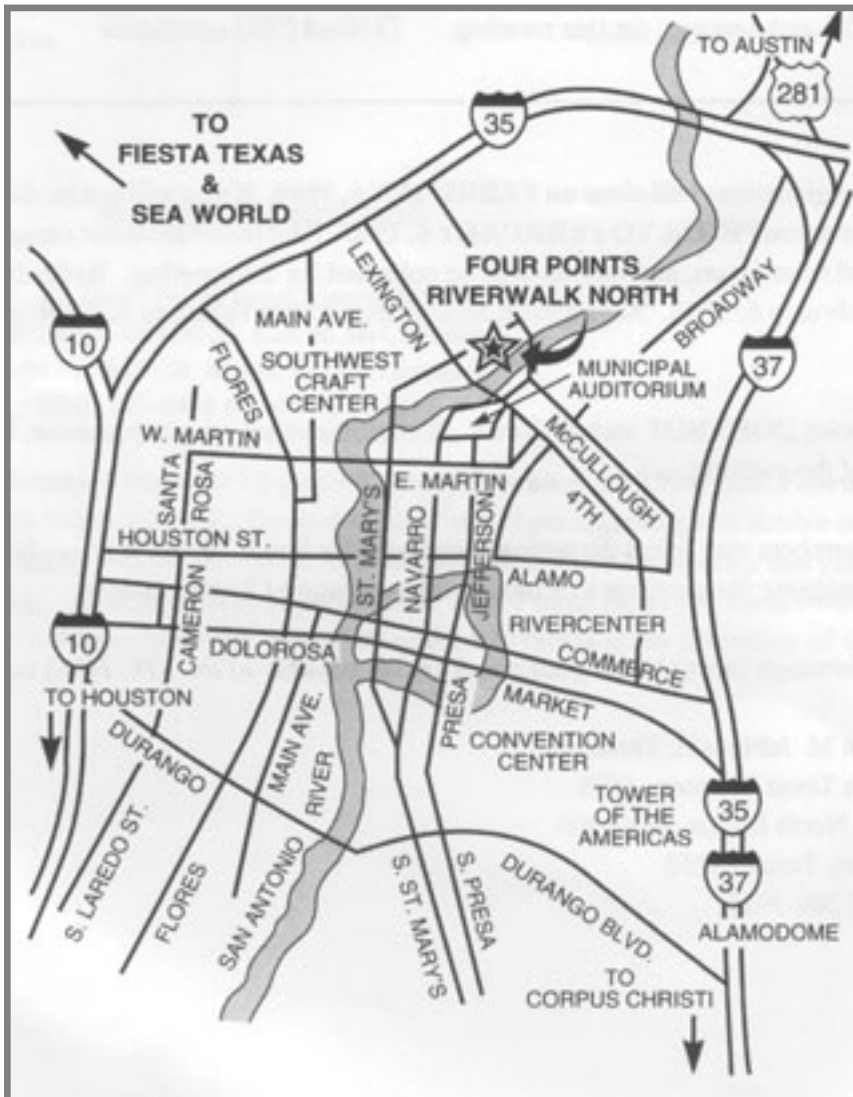
members of the Chapter will be displaying the wares of their specialized fields within a spacious vendor display area.

The meeting will feature the official Chapter visit by George Anastas, HPS President-Elect who will provide the keynote presentation at the Chapter luncheon. As the response (and fun!) was so positive last year, the luncheon will include trolley transportation to La Margarita for a delicious lunch served in the upstairs private dining area. To further enhance the meeting experience and foster the

Chapter's continued support of radiation protection education, this meeting will feature a rarely accomplished joint meeting of the Chapter and the Student Branches from Texas State Technical College and Texas A&M University. An additional feature of this meeting will be a special professional enrichment session for all registered attendees. The topic of this special session will be "Dose Reconstruction" presented by STC members, Bob Emery, Ph.D., CHP, and Ian Hamilton, Ph.D., CHP.

◆
Numerous Door Prizes To Be Given Away!!
CEUs Awarded for LMP and MRT Certifications*
 ◆

** Based on evaluation of finalized agenda by TDH - Professional Licensure staff. STC-HPS members will be notified via e-mail of CEU amounts and affected certifications.*



Agenda

Friday, January 19, 2001

Four Points Sheraton Hotel Riverwalk
110 Lexington Avenue, San Antonio, Texas
(210) 223-9461

6:30 - 9:30 p.m. Executive Council Meeting, Guadalupe Room

Saturday, January 20, 2001

Four Points Sheraton Hotel Riverwalk
110 Lexington Avenue, San Antonio, Texas
(210) 223-9461

7:30 – 8:45 a.m. Special Professional Enrichment Session:
“Dose Reconstruction” – Bob Emery and Ian Hamilton

9:00 – 9:30 a.m. Affiliates Exhibit Area Open – Continental Breakfast

9:30 – 9:40 a.m. Welcome, Introductions, Announcements – Susan
Jablonski, STC President-Elect

9:40 – 11:15 a.m. Morning Technical Session – Affiliate
Presentations

11:15 – Noon Keynote Presentation – George Anastas,
HPS President-Elect

Noon – 1:30 p.m. Trolley Ride to La Margarita Mexican Restaurant
and Oyster Bar in The Market Square (El Mercado)

STC Business Meeting and Award Presentation

Luncheon Fare

“The Deluxe Mexican Dinner”
*Sizzling Strips of Beef Fajita,
Cheese Enchilada, Crispy Beef Taco
Tamale topped with Gravy and Cheese
Guacamole Salad, Spanish Rice,
Refried Beans, & Tortillas
Iced Tea & Sopapillas with Strawberries & Honey*

Return Trolley Ride to the Four Points Hotel Riverwalk

1:30 – 3:00 p.m. Afternoon Technical Session – Affiliate Presentations

3:00 – 3:30 p.m. Break – Affiliates Exhibit Area Open
Snacks, coffee, and sodas

3:30 – 5:00 p.m. Afternoon Technical Session Continues – Affiliate
Presentations

5:00 – ?? Door Prize Give Away – Vendor Exhibit Area

Accommodations

Four Points Sheraton Hotel Riverwalk

Directions – Located in Downtown San Antonio –
Off IH-35, East on McCullough, Right on North St. Mary’s,
Left on Lexington Avenue

Amenities include:

Full Service Restaurant	Valet Parking
Bar & Lounge	Luggage Storage
Large Courtyard Pool	Room Service
24-Hour Front Desk	Safe Deposit Box
Express Checkout	Business Center
Disabled Access Rooms/Facilities	Gift Shop
Non-Smoking Rooms/Facilities	Fitness Center
Laundry/Valet Service	

Each guest room comes with:

Hairdryer	Voicemail
Iron/Ironing Board	AM/FM Alarm Clock
In-Room Movies	Coffee/Tea Maker
Data Port	Free Newspaper
Television with Cable	

Within walking distance:

San Antonio Riverwalk	The Alamo
Municipal Auditorium	Rivercenter Mall
Majestic Theatre	

(210) 223-9461 or 1-800-288-3927

A block of rooms has been reserved for Friday, January 19, and Saturday, January 20, 2001, until December 29, 2000 (due to heavy booking during this time period), under the name “South Texas Chapter of Health Physics Society.” Room rates will be \$70 per night–single or \$85 per night–double occupancy. In order to secure these excellent rates, you must call the reservation telephone number listed above EARLY and specify that you are with the South Texas Chapter of Health Physics Society. After the reservation deadline, Four Points Sheraton Hotel Riverwalk anticipates that no rooms will be available and will accept reservations based strictly on rooms that may be left, however, the \$70 rate will not be available.

Registration

(Please submit a registration form for each member or guest attending the meeting and mail to the address below.)

Pre-Registration Form

2001 Winter Meeting, January 19 & 20, 2001 - Four Points Hotel Riverwalk, San Antonio
STC Registration Deadline - January 9, 2001. Hotel Registration Deadline - December 29, 2000

Attendee's Name _____

Attendee's Address _____

City _____ State _____ Zip _____

STC Member (technical session and lunch) – \$45

STC Member (technical session ONLY) – \$25 “**”

Member (luncheon ONLY) – \$25

Non-STC Member (technical session and lunch) – \$ 55 “**”

Non-STC Member (technical session ONLY) – \$ 35 “**” “**”

Non-STC Member (luncheon ONLY) – \$ 25

Student (technical session and lunch) – \$10

I would like to be a Meeting Mentor

I would like to have a Meeting Mentor

(A Meeting Mentor assists a new attendee in meeting others and answering questions.)

My interest or area of expertise _____

Need a receipt for this meeting

Need CEU certificate

Mail registration form(s) with your check (made payable to the STC-HPS) to arrive BEFORE January 9, 2001, to:

Mike Charlton, Treasurer
 5303 Hamilton Wolfe, #420
 San Antonio, TX 78229
 Phone (210) 567-2955
 Fax (210) 567-2965

Pre-registration will close on January 9, 2001. If you will not be able to attend the meeting, please call and cancel your reservation **PRIOR TO JANUARY 9, 2001**. Any reservation not canceled by January 9, 2001 will be regarded as a confirmed reservation and monies will be collected for the meeting. Refunds will be honored only for cancellations made before January 9, 2001. Registration fees collected after January 9, 2001, or at the door, if space is available, will be \$10 extra.

* This price DOES NOT include lunch. If contemplating on-site purchase, lunch cannot be guaranteed on the day of the meeting.

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



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.

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