The equipment you need. The expertise you expect.

The right solutions and the right expertise to get your jobs done smarter and faster.

Whether it’s GNSS, scanning or optical technology for field data collection; Or powerful software programs for processing, modeling and analyzing captured data; Trimble products improve workflow, enhance collaboration between field and office, and help you make well-informed decisions. This saves you time and makes work easier. That’s something you need and something you should expect. Call today for your free consultation.
Table of Contents
From the President.................................................................5
Sustaining Members...........................................................5
Benchmark.........................................................................7
Why, How & When - CST Program......................................10
Errors and Omissions.........................................................13
66th Annual Convention & Tech Expo.................................15
New Members......................................................................21
Texas Young Surveyors......................................................23
An Attorney’s Angle..........................................................24
Summer Safety....................................................................28
SurPAC Donation Form......................................................31
Job Listings.........................................................................32
For Sale..............................................................................34
Professional Listings.........................................................36
Coming Events.....................................................................38
Locating Original Corners Seminar......................................39

2016-2017 TSPS Officers
President............................................................................Jerry Lehew
North Texas Municipal Water District, Wylie, Texas
President-Elect....................................................................Doug Turner
IDS Engineering Group, Houston, Texas
Vice President......................................................................John Barnard
Bowman Consulting Group, Austin, Texas
Secretary/Treasurer............................................................Bill O’Hara
Bill O’Hara Land Surveyor, Cedar Creek, Texas
Past President.....................................................................Paul Carey
Medina Valley Surveys Inc., Castroville, Texas

TSPS Directors
(2017)
Joe Breaux, TxDOT, Austin, Texas
Robby Christopher, Hugo Reed & Associates, Inc., Lubbock, Texas
Chris Freeman, Lina T. Ramey & Associates, Inc., Farmers Branch, Texas
Trisha Lund, Unintech Consulting Engineers, Inc., San Antonio, Texas

(2018)
J.D. Davis, Davis Geomatics, LLC, Amarillo, Texas
Jamie Gillis, Geomatic Resources, LLC, Irving, Texas
Heather Sides, LJA Engineering, Inc., Houston, Texas
L.A. “Bud” Thompson, Thompson Surveying Co., Wimberley, Texas

(2019)
Philip Adams, Adams Surveying Company, Richardson, Texas
Michael Hoover, Andrew Lonnie Sikes, Inc., Houston, Texas
David Klotz, Texas General Land Office, Buda, Texas
J.S. “Stan” Piper, Piper Surveying Company, Inc., Midland, Texas

Executive Director
DJ Kyle
2525 Wallingwood Dr. #300
Austin, TX 78746
Phone: 512-327-7871
FAX: 512-327-7872

Legal Counsel
Mark Hanna, P.C.
900 Congress Ave., Suite 250
Austin, TX 78701
Phone: 512-477-6200
FAX: 512-477-1188
Spectra Focus 35 Robotics Packages

FEATURES
- 1", 2", 3" and 5" accuracies
- Spectra Precision Survey Pro™ software on-board
- LockNGo™ tracking technology
- StepDrive™ motion technology
- Long-range, reflectorless distance measurement
- available RX models with extended operation dual battery system
- GeoLock™ GPS-assist technology

Your Choice of Software: Survey Pro or Layout Pro

PACKAGES STARTING AT $383.00 PER MONTH

CALL 1-800-241-6223 FOR A CUSTOM QUOTE

VISIT US ONLINE

SUBSCRIBE TO OUR MAILING LIST AND GET 10% OFF YOUR FIRST WEB ORDER!*

*Offer valid for new subscribers only. Code will be automatically generated and sent to email address provided.
The 85th session of the Texas legislature adjourned Sine Die on Monday, May 29th. Governor Greg Abbott announced he was calling the Legislature back for a special session in mid July to address must-pass “Sunset” legislation and nineteen other measures. During the regular session, the Legislature did their main constitutional duty which was to pass a biennial budget. To date, none of the bills watched by TSPS became law.

Regarding the Texas Board of Professional Land Surveying budget (SB1), the exceptional item for an additional part-time person was put back in the budget and the FTE count was increased from 5.5 to 6.0. General Revenue funding went up from $879,365 to $936,215 which would include the funds for the part-time salary. The TBPLS did fairly well this session.

There was a Texas Board of Professional Land Surveying public hearing and board meeting on May 19, 2017. The board had proposed new rules that were published in the Texas Register on February 17, 2017.

The board proposed rule 661.31(12) which would allow the use of an electronic seal. This rule was adopted in the meeting after the public hearing.

In 663.13, the board intended to explain the exception to the minimum standards for surveying, descriptions for political subdivisions, but I think the numbering system was confusing and this rule although adopted in the regular meeting, will probably be revisited.

663.16(3)(D) was proposed as:

(D) Shall review the record instrument that defines the location of the adjoining boundaries and if appropriate to the chain of title of the tract being surveyed, cite the record instrument on the drawing and prepared description.

And was approved as:

(D) Shall review the record instruments that identify the adjacent properties researched to prepare the boundary and cite the record instruments on the drawing.

663.18(b) was passed as proposed. It allowed an electronic seal and signature to be used in lieu of an original seal and signature if certain criteria are followed.

663.19(f) effectively eliminates the “adjoinder rule, but it is added back in 663.16(3)(d), maybe?

TBPLS is working on their self-evaluation report to be submitted to the Sunset Commission staff in preparation for the 2018-19 Review Cycle. TSPS will assist TBPLS during this process to be ready for the 86th Legislature session.
At G4 Spatial Technologies, we have a proven reputation for offering the best support and service in Texas. With a professional staff we are able to offer our clients the latest surveying and construction equipment and techniques. We provide thousands of products from many quality manufactures that help us build a custom solution for your business.

San Antonio
106 W. Nakoma
San Antonio, TX 78216
(210) 681-4280

Sales
Service
Support
Rental
Training

Austin
10713 Metric Blvd.
Austin, TX 78758
(512) 837-8991

www.G4Spatial.com
Join your fellow TSPS members for its Annual Strategic Planning meeting in San Antonio on August 4th. President-Elect Doug Turner, Chapter 9, will host this year’s meeting as he leads the group through the strategic planning process. Jaymie Turner will open the meeting with a presentation on “Getting to Know and How to Attract Millennials to Land Surveying” – 2 CEUs pending. TSPS encourages all Chapter President’s, current and incoming, to attend this meeting as you are the link back to your chapter members. It is a great opportunity for members to meet and mingle with the leaders of TSPS as well as participate in the goals and objectives for the coming year.

The Ray Wisdom Reception & Auction will be held following the Strategic Planning meeting on Friday, August 4th. The reception will feature complimentary heavy hors d’oeuvres, drinks and AIR CONDITIONING due to the event being held inside at the host hotel. The plan for the event is to end early enough so all can enjoy the Riverwalk with their friends and family for dinner. TSFI Trustees need your help by donating items to be auctioned and by participating in the event itself to support surveying education in Texas. To donate items, please contact Shane Neally, TSFI Chair at shane@stangercorp.com.

“Get Your Kicks at Convention 66” is the theme of this year’s Annual Convention & Tech Expo. The Convention Committee led by Shaun Piepkorn, Chapter 5, hopes attendees will “get their kicks” through the large variety of educational sessions and speakers, the entertaining social events and the many exhibits on display. National speakers Jeff Lucas, JD, PLS, John Stahl, PLS, CFedS, George Southard and John Geddie along with our state speakers combine to make an outstanding selection of educational topics for attendees to learn and enjoy. Luncheon speaker Cleto Rodriguez and the Award Gala emcee David Ahearn will not disappoint with comedy and laughter for all.

As many of you know, the National Society of Professional Surveyors (NSPS) will hold their Board and Committee meetings during the TSPS Convention thus a TSPS/NSPS Joint meeting. NSPS attendees will include their Board and Committee members, other state Executive Directors and members of the Young Surveyors Network. An additional 80 to 100 guests from across the United States will be in attendance at this year’s Convention. For a complete schedule of events and to register, please see page 15.

---

**Save time, money and headaches.**

Get the right insurance from professionals who know surveyors. At ANCO, you’ll find:

- Customized coverages for your business
- Knowledgeable agents who insure the most surveyors in Texas
- A TSPS-endorsed agency since 2001

Apply online at InsuranceforSurveyors.com or call us at (888) 275-2626, ext. 6324.

---

Endorsed by the Texas Society of Professional Surveyors

Agents Cassie Hager and Gina O’Hara

We go the extra 1900.8 varas for you!
A SURVEYING SELECTION AS BIG AS TEXAS
COME ON IN AND WE’LL TAKE GOOD CARE ‘O Y’ALL!
With a best-in-class certified service center and the biggest selection of hardware and software solutions, we are Texas proud.

Survey/UA
Rodney Walsh, Principal
972-922-4459 / rw@geotx.com

HOS Sales & Software
Rodney Walsh/Jamie Gillis
972-922-4459 / rw@geotx.com

Supplies/Const. Sales
Ron Vogel
817-372-2312 / rv@geotx.com

Survey Support/UA Sales
Jamie Gillis, RPLS / PLS
817-209-8661 / jg@geotx.com

Service Center
Mark Howard
469-585-8602 / mh@geotx.com

Survey Support & GIS
Colin Fletcher
214-577-5607 / cf@geotx.com

NEW Fixed Wing RF 70 UAS
2914 W Tarrant Rd, Fort Worth, TX 76109
(817) 209-8661 / jg@geotx.com

www.geotx.com
A Surveying Selection as Big as Texas
Come on in and we’ll take good care ‘o y’all!

With a best-in-class certified service center and the biggest selection of hardware and software solutions, we are Texas proud.

Survey/UAS Sales/Rentals
Rodney Walsh, Principal
972-922-4459 / rw@geotx.com

HDS Sales & Software
Rodney Walsh/Jamie Gillis
972-922-4459/rw@geotx.com

Supplies/Constr. Sales
Ron Vogel
817-372-2312 / rv@geotx.com

Survey Support/UAS Sales
Jamie Gillis, RPLS / PLS
817-209-8661 / jg@geotx.com

Service Center
Mark Howard
469-585-8602 / mh@geotx.com

Survey Support & GIS
Colin Fletcher
214-577-5607 / cf@geotx.com

NEW Fixed Wing RF 70 UAS

AIBOT X6 Rotary UAS

Geomatic Resources LLC
V Story Road, Irving TX 75038
817-691-5328
Why should we support the Certified Survey Technician (CST) Program?

With the declining number of Registered Professional Land Surveyors in the work force, the amount of work performed by technicians will be increasing. To increase the work flow through a surveyor’s office, the quality and correctness of the technicians work must be increased for efficiency and profitability. The CST program provides a career ladder and credentials for these technicians.

How can we increase the implication of the Certified Survey Technician Program?

The employer through his supervisory personnel can lead with in-house training or support from your local Chapter. Training and testing needs to be introduced to your existing technicians. Surveyors will discover quickly which technicians have the drive to improve their knowledge and add value to the company. Each TSPS chapter should have a committee supporting, teaching, and/or leading self-study classes and support groups. TSPS has prepared classes for the support of the CST Program which are available to all chapters. The CST classes have typically been taught at the symposium once a year. Testing needs to available at each chapter and at least twice a year. The CST test has been given at seven sites with approximately 50 students this year. I would like to see this numbers doubled in the next test cycle.

When should applications for testing be submitted?

An application for the CST testing can be found at the TSPS or the NSPS websites. The application deadline is two weeks prior to the next scheduled exam of September 9, 2017. Applications must be mailed to NSPS CST Program, Attn: Sara Maggi at 5119 Pegasus Court, Suite Q, Frederick, MD 21704. More certified and registered proctors are needed across the state. See the TSPS website for additional information.

You may contact J. Stan Piper, RPLS, at 432-559-3929 or PiperSurveyingCo@aol.com or Brenda Null, TSPS Meetings & Education Coordinator, at 512-327-7871 or BrendaN@tsps.org.

Stan Piper is a TSPS Director, the CST Committee Chair and is the Owner at Piper Surveying Company in Midland, TX.

GET NOTICED
CERTIFY YOUR SKILLS AND ABILITIES

Make your resume stand out!
Today’s employers prefer certified technicians.

Learn More at nsps.us.com
Exam Prep: LearnCST.com
240-439-4615 Ext. 112

NSPS
CERTIFIED SURVEY TECHNICIAN
Advanced UAV Solutions Inc, is a full-service UAV products and solutions provider. We are committed to supplying our customers with leading-edge tools, technology and solutions to reduce your overall project cost.

Contact us today and learn how our full-service approach can make your project more efficient and profitable. We value your partnership and look forward to learning how we can help you.

Our Products:

Our Services:

Topo Maps · Volumetrics · ROW
Photogrammetry · Pipelines

Contact Us:

(877) 755-4680  23111 FM 1462 - Damon, TX 77430
www.advanceduavolutions.com
wes@advanceddrones.com
Looking for a partner for the long haul? You’ve found it. No matter your challenge, our staff, with a combined 350 years of experience in the industry, will use their expertise to make sure your solution is the smartest one possible. Whether you visit one of our 6 locations or call us, you’ll experience the WDS service and experience that keeps clients coming back for years.

*Visit us at wds-us.com today.*
Everybody makes mistakes no matter how careful you try to be and in the land surveying profession there is always the possibility of leaving some important aspect of your survey of property out of your final opinion (the map of survey) or out of the services that you were supposed to provide (your duty to perform). These are what we call errors and omissions. There are at least two ways to help you avoid committing errors and omission in your professional practice. One way is to examine the mistakes of others and to tailor your practice around avoiding what seems to be, in many cases, common errors committed by practitioners. Working hand-in-glove with such a study, is modifying your business practices so as to correct systemic problems that allow for such errors and omissions in the first place.

Torts are civil wrongs that the law provides a remedy for, whereby a plaintiff may recover damages from a defendant, the tortfeasor. As opposed to a crime, the tortfeasor has not violated a specific criminal code section (the law), but has otherwise committed a common law wrong that can be redressed in civil court. It is important to keep in mind that certain torts (civil wrongs) can, under the right circumstances, be prosecuted as crimes. Criminal negligence, criminal fraud, and criminal conspiracy are a few that come to mind. And yes, a surveyor can commit one or more of these crimes in the course of doing business, but that is a little beyond the scope of the programs we have developed for the upcoming fall conference.

Most torts have four elements to them and all four of them must be proven to have been violated by the tortfeasor to successfully prosecute a case. For instance, negligence requires that the plaintiff establish that the defendant owed the plaintiff a duty, that the defendant failed in that duty, that because of the failure, the plaintiff was damaged as a result. Put another way: 1.) a duty owed, 2.) breach of that duty, 3.) causation, and 4.) damages. As I have advised on many occasions, surveying practitioners should conduct themselves in their daily practice as if every survey they perform will go to court on a negligence charge.

If any given survey project should end up in court then you have to assume that the plaintiff will establish that the duty was owing. Because you are generally not in court as a defendant unless there is some connection to causation, you ought to accept this point will be proven. This leaves breach and damages. As a practical matter, you should also assume that the plaintiff was damaged. This means that the only element of negligence that is in your control as a practitioner is failure to perform the duty that is owned, also known as falling below the ‘standard of care.’ The standard of care (the duty) is universal across all jurisdictions for professional services providers, such as surveyors, engineers and architects. That standard is the ‘reasonably prudent practitioner’ standard. If the plaintiff cannot prove this final element, then a charge of negligence will not prevail. This basically tells you where your focus must be as a professional practitioner.

The program we have developed entitled “What Went Wrong?” is a study in surveyor negligence based on real court cases involving surveyors making obvious mistakes that landed them in a court battle and exposing them to liability. In other words, they fell below the standard of care. Some of these mistakes are so blatant as to beg the question ‘what went wrong?’ Thus, the title of the program. This study is what I refer to as ‘learning from the mistakes of others.’ Our follow up program, “Better Business Practices and the Law,” deals with ways to incorporate practices and procedures that avoid these common mistakes in your everyday business. I hope you will join us for these discussions.

Jeff Lucas, JD, PLS is a licensed attorney in private practice in Birmingham, Alabama. He is also a licensed surveyor registered in five states. Jeff will teach two classes at the 66th Annual TSPS Convention.

Forums for TPS Members

Forums are available at www.tsps.org to ask questions, post comments and/or articles related to these specific Fields of Practice topics in the surveying industry:

- Boundary Surveying
- Land Development
- Route and Right of Way
- Corridor Surveying
- Construction Staking
- Energy Development - Oil, Gas and Wind

Login today to join the conversations!
PURE SURVEYING

Sure, the GS16’s intelligent technology has tree canopies, bridges, and urban canyons for breakfast. But it is really the Captivate interface that makes technology feel human again.
PURE SURVEYING
Sure, the GS16’s intelligent technology has tree canopies, bridges, and urban canyons for breakfast. But it is really the Captivate interface that makes technology feel human again.

CS20 Controller
High Accuracy & Precision
GS16 Smart Antenna
Powerful Processing
Artificial Intelligence
Lightweight
gnss.leica-geosystems.us

For more information please contact:
Jeff Ryall
jeff.ryall@leicaus.com
713-516-5446

Texas Society of Professional Surveyors
66th Annual Convention & Tech Expo
October 4-7, 2017 | Frisco, Texas
Early registration ends 09/07/17

Attendee Brochure
www.tspso.org/convention

Earn your CEUs while meeting with surveyors from across Texas and surrounding states. Classes fill up quickly, so kick it on over to the TSPS website and secure your favorites!

TSPS Schedule of Events

**Wednesday, October 4**

10:00 am–12:30 pm  
**Skeet Shoot**
*Elm Fork Shooting Sports, Dallas, TX*
Want to break clays with your shotgun? There is simply no better destination than Elm Fork Shooting Sports. Registration is limited to the first 20 shooters.

1:00 pm–6:00 pm  
**Golf Tournament**
*Plantation Golf Club, Frisco, TX*
Mature trees frame wide, generous Bermuda fairways and perfectly-maintained greens, with 20 sand bunkers, 9 picturesque ponds and indigenous flora and fauna adding to the Plantation Golf Club course’s strategic diversity as well as its beauty. Green fees, cart and buffet dinner included.

3:00 pm–6:00 pm  
**Registration Open**

5:30 pm–7:30 pm  
**Young Surveyors Happy Hour**

6:30 pm–9:30 pm  
**Past President’s Dinner (Invitation Only)**
*3 Stacks Smoke & Tap House, Frisco, TX*

8:30 pm–11:00 pm  
**TSPSA Open House**
Drinks and snacks available. All TSPS/TSPSA/NSPS members and guests are invited. Hosted by Texas Society of Professional Surveyors Auxiliary.

**Thursday, October 5**

8:00 am–5:00 pm  
**Registration Open**

9:00 am–10:00 am  
**Grand Opening and Keynote Address**
Featuring Texas State Representative Matt Shaheen

10:00 am–5:00 pm  
**Annual TSPS Membership Meeting**

12:15 pm–1:15 pm  
**Lunch on own**

3:00 pm–6:00 pm  
**TSFI Delegate Election ***

3:00 pm–6:00 pm  
**TSPS Nominating Committee Meeting ***

5:00 pm–6:00 pm  
**TSPS New Member Social**

5:00 pm–7:00 pm  
**RTKNET Annual Meeting:**
1836 Texas Member Strong
Hosted by Western Data Systems (WDS)

5:00 pm–7:00 pm  
**SmartNet Users Group and Leica Geosystems Technology Overview**

5:00 pm–7:00 pm  
**TJC Survey Alumni & Friends Reception**

6:00 pm–8:00 pm  
**Blucher Institute Alumni Reception**
(Invitation Only)

7:00 pm–9:00 pm  
**TSPS Open House/President’s Reception**
Entertainment by The Eckels/Pamies Duo

8:00 pm–12:00 am  
**Young Surveyors Outing**
The Green Gator, Frisco, TX

* Begins at conclusion of Annual Membership Meeting | Schedule continued on next page
Friday, October 6

6:30 am–7:45 am  LSLS Breakfast Forum
7:00 am–5:00 pm  Registration Open
8:00 am–10:00 am  Educational Session - 2 CEUs
                  An Understanding of Oil & Gas Regulations
                  Presented by Stacey Lyle, PhD, RPLS
Texas Railroad Commission is responsible for the regulations for energy exploration in the State of Texas. Dr. Lyle will cover the regulations promulgated by the Texas Railroad Commission and how it involves the use of Professional Land Surveyors.

8:00 am–12:15 pm  Educational Session - 4 CEUs
                  How Texas Got Its Shape
                  Presented by Michael Hoover, RPLS, LSLS, CFM and David Klotz, RPLS, LSLS
Explore the origins and unique characteristics of Texas Boundaries. We’ll discuss the role of the Texas General Land Office, and discuss the importance of landmark boundary cases.

8:00 am–12:15 pm  Educational Session - 4 CEUs
                  Project Management Training
                  Presented by John Geddie
The key to success as a Project Manager is to institutionalize the process and save creative energy for the things that deserve creativity. We’ll discuss ways to set up systems to track and monitor scope, budget, and schedule as easily as possible.

10:00 am–10:15 am  Break
10:15 am–12:15 pm  Educational Session - 2 CEUs
                  Using Geospatial Data in the Oil & Gas Industry
                  Presented by Stacey Lyle, PhD, RPLS
A Geospatial Data Science Center is an advanced database of information organized and accessible using multiple software tools on the desktop, web or cell phone. Dr. Lyle will walk through a complete life cycle workflow for exploration of Oil & Gas production.

12:15 pm–5:30 pm  Annual Luncheon
12:15 pm–2:00 pm  “Just Clean Fun!”
                  Presentation by Cleto Rodriguez
2:00 pm–5:30 pm  Exhibit Hall Grand Opening and Reception
6:30 pm–11:00 pm  Annual Awards Gala & Dinner
                  Entertainment by Four Day Weekend
                  David Ahearn, Emcee
Saturday, October 7

6:30 am–2:00 pm  Registration Open
7:30 am–9:30 am  Educational Session - 2 CEUs
                  FAA Regulations for UAS Operations
                  Presented by George Southard

7:30 am–9:30 am  Educational Session - 2 CEUs
                  Introduction to Gradient Boundaries
                  Presented by Philip Adams, RPLS and David Klotz, RPLS, LSLS
An introduction to the laws, rules, history and procedures of a gradient boundary.

7:30 am–12:00 pm  Educational Session - 4 CEUs
                  Unlocking Boundary Disputes - You Hold the Keys
                  Presented by John Stahl, PLS, CFedS
This course will provide a thorough examination of the creation and establishment of boundaries. Current court decisions defining the surveyor’s role in determining land boundaries will be reviewed.

7:30 am–12:00 pm  Educational Session - 4 CEUs
                  Includes 1.5 hrs Ethics
                  What Went Wrong, A Study in Surveying Errors and Omissions
                  Presented by Jeff Lucas, JD, PLS
As I continue “Traversing the Law,” studying and writing about court cases involving surveying disputes and land surveyors, I have found everything from the ridiculous to the sublime leaving me with just one question: What went wrong? This seminar will investigate the answer to this question by a detailed study of several recent court decisions involving surveyors and surveys that went terribly wrong.

7:30 am–12:00 pm  Educational Session - 4 CEUs
                  Project Management Training
                  Presented by John Geddie
The key to success as a Project Manager is to institutionalize the process and save creative energy for the things that deserve creativity. We’ll discuss ways to set up systems to track and monitor scope, budget, and schedule as easily as possible.

9:00 am–1:30 pm  Educational Session - 2 CEUs
                  Using Geospatial Data in the Oil & Gas Industry
                  Presented by Stacey Lyle, PhD, RPLS
A Geospatial Data Science Center is an advanced database of information organized and accessible using multiple software tools on the desktop, web or cell phone. Dr. Lyle will walk through a complete life cycle workflow for exploration of Oil & Gas production.

9:30 am–10:00 am  Break with Exhibitors
10:00 am–12:00 pm  Educational Session - 2 CEUs
                  What is a Conservation Easement?
                  Presented by Stephanie Prosser, MS
What is a conservation easement? Why are they put in place and what is the benefit to the landowner? What information is required to place a conservation easement? Conservation Easements are a diverse tool used to permanently protect land and can be placed for purposes ranging from estate planning to regulatory environmental offsets.

10:00 am–12:00 pm  Educational Session - 2 CEUs
                  How to Become a Licensed UAV Pilot
                  Presented by George Southard
This session will acquaint the attendees with the FAA testing and qualifications to become licensed as a Remote UAS Pilot. There will be a careful review of the Knowledge Test Study Guide to help potential Remote UAS Pilot applicants to prepare themselves to successfully complete the exam process.

For additional session details and speaker information, please visit www.tsps.org/convention
Saturday, October 7 (cont.)

12:00 pm–1:30 pm  
Lunch with Exhibitors

1:30 pm–3:30 pm  
**Educational Session - 2 CEUs**  
Errors, Errors, Errors: A Practical Guide on How to Avoid Them  
*Presented by Bill Merten, RPLS, LSLS*

This class will explore the most common types of errors, how to recognize them and how to avoid them in the everyday work day. The different types of errors such as systematic observational and gross errors will be discussed with possible solutions that may be incorporated into standard field procedures.

1:30 pm–5:45 pm  
**Educational Session - 4 CEUs**  
Understanding the Risks Associated with Surveys, Descriptions and Plats  
*Presented by John Stahl, PLS, CFedS*

This presentation will encompass an overview of various types of surveying services designed to fulfill the intended purpose of the client. We will discuss various elements for consideration when determining the scope of services to be provided.

1:30 pm–5:45 pm  
**Educational Session - 4 CEUs**  
(includes 1.5 hrs Ethics)  
Better Business Practices and the Law  
*Presented by Jeff Lucas, JD, PLS*

What do better business practices have to do with the law? Plenty! This seminar will focus on 10 Better Business Practices that you can implement immediately to bring your practice in harmony with the law. These practical steps will benefit your company whether you are a multi-state corporation with hundreds of employees, a solo practitioner, or an individual licensee wanting to improve his or her own personal practice.

1:30 pm–5:45 pm  
**Educational Session - 4 CEUs**  
UAS as a Tool for Land Surveyors  
*Presented by George Southard*

In this session, you will learn about the:

- Preparation for owning and operating a UAS for commercial work
- Operation of a UAS for photogrammetric applications
- Overview of principles of photogrammetry for UAS data reduction
- Detailed information on the operation of UAS to collect surveying and mapping data
- Discussion of new technologies, system integration, as well as available technical capabilities of UAS for surveying and mapping

3:30 pm–3:45 pm  
Break

3:45 pm–5:45 pm  
**Educational Session - 2 CEUs**  
Leaving Tracks  
*Presented by Wayne Terry, RPLS, LSLS*

This course is the outflow of court instructions to follow the footsteps of the original surveyor. The courts have given far less emphasis on how to leave good footprints. It is my hope that more substantial, durable and unique monuments will be left and described in the student's field notes so fewer lines will be lost to the future retracement surveyor.

3:30 pm  
**Officers Meeting**

5:45 pm  
Convention Adjourns

---

**Wednesday, October 4**

3:00 pm – 6:00 pm  
Registration and Day on Your Own

8:30 pm – 11:00 pm  
TSPSA Open House

**Thursday, October 5**

8:00 am – 9:00 am  
**Auxiliary Breakfast**

9:00 am–11:30 am  
**Essential Oils Class**

Essential oils have been used for thousands of years for their therapeutic and healing properties as part of the practice of aromatherapy. They're sourced from leaves, stems or roots of plants that are known for their health properties. Are you curious? Come join us as we learn about the many benefits and various uses of essential oils.

2:00 pm – 4:00 pm  
**TSPSA Hospitality Suite open**

**Friday, October 6**

8:00 am – 9:00 am  
**Auxiliary Breakfast**

9:15 am–3:00 pm  
**Tour and Lunch at Southfork Ranch**

Step back in time to the 1980's when oil was booming in Texas and the Ewing's were in control. Come see where J.R., Bobby, Miss Ellie, Pamela, Sue Ellen and the rest of the “Dallas” crew called home. We will tour the Ewing Mansion then have a BBQ lunch in Bobby's Boardroom. There will be leisure time to explore the grounds and browse the gift shop.

**Saturday, October 7**

8:00 am – 9:00 am  
**Auxiliary Breakfast**

11:00 am – 3:00 pm  
**Young at Heart - Annual Business Meeting/Lunch**

We will be entertained by the Dallas Tap Dazzlers who are an exciting and versatile senior dance group formed in 1990 and considered to be the premier dance troupe in their field. They perform year round throughout Texas. Their performances include opening for Lee Greenwood, the Texas Governor's inauguration, appeared on America's Got Talent, a CMA nominee, featured in the 2000 Macy's Thanksgiving Day Parade in New York as well as many others. Their mission is to inspire others (especially women) to stay physically and mentally fit, while enjoying the fun and camaraderie of those who share the passion of tap. One of their mottos is “If you rest, you rust.” You surely don't want to miss this!

3:30 pm  
**Officers Meeting**

Auxiliary members can register via the attached form or online at www.tsps.org/auxiliary_registration.
NSPS Schedule of Events

Wednesday, October 4
10:00 am–12:30 pm  Skeet Shoot **
   Elm Fork Shooting Sports, Dallas, TX
1:00 pm–6:00 pm  Golf Tournament **
   Plantation Golf Club, Frisco, TX
3:00 pm–6:00 pm  Registration Open
5:30 pm–7:30 pm  Young Surveyors Happy Hour
8:30 pm–11:00 pm  TSPSA Open House
   Drinks and snacks available. NSPS attendees are welcome. Hosted by TSPS Auxiliary.

5:00 pm–7:00 pm  RTKNET Annual Meeting:
   1836 Texas Member Strong
   Hosted by Western Data Systems (WDS)

Thursday, October 5
7:00 am–8:30 am  NSPS Fellows Breakfast/Meeting
8:00 am–5:00 pm  Registration Open
9:00 am–10:00 am  Grand Opening and Keynote Address
   Featuring Texas State Representative Matt Shaheen
9:00 am–10:00 am  NSPS Public Relations
9:00 am–11:00 am  NSPS Joint Governmental Affairs
9:00 am–11:00 am  NSPS Private Practice/Professional Standards
9:00 am–11:00 am  NSPS Bylaws & Resolutions/Policy & Procedures
9:00 am–12:00 pm  NSPS State Executives Forum
9:00 am–5:00 pm  NSPS Young Surveyors Network
9:00 am–5:00 pm  NSPS CST Board Meeting
12:00 pm–1:00 pm  Lunch on own
1:00 pm–3:00 pm  NSPS Foundation Board
1:00 pm–3:00 pm  NSPS ALTA/NSPS
1:00 pm–3:00 pm  NSPS UAS
1:00 pm–4:00 pm  NSPS Western States Governors Council
1:00 pm–4:00 pm  NSPS Great Lakes Regional Council
2:00 pm–5:00 pm  NSPS Education
3:00 pm–5:00 pm  NSPS Membership
3:00 pm–5:00 pm  NSPS Trig-Star
3:00 pm–5:00 pm  NSPS County Surveyors

5:00 pm–7:00 pm  SmartNet Users Group and
   Leica Geosystems Technology Overview
5:00 pm–7:00 pm  TJC Survey Alumni & Friends Reception
6:00 pm–8:00 pm  Blucher Institute Alumni Reception
   (Invitation Only)
7:00 pm–9:00 pm  TSPS Open House/President's Reception
   Entertainment by The Eckels/Pamies Duo

8:00 pm–12:00 am  Young Surveyors Outing
   The Green Gator, Frisco, TX

Friday, October 6
7:00 am–5:00 pm  Registration Open
8:30 am–12:00 pm  NSPS Hydrographer Exam
9:00 am–12:00 pm  NSPS Board of Directors Reports
9:00 am–5:00 pm  NSPS CST Board Meeting
12:15 pm–2:00 pm  Annual Luncheon - “Just Clean Fun!” **
   Presentation by Cleto Rodriguez
12:15 pm–5:30 pm  Exhibit Hall Open **
2:00 pm–5:30 pm  Exhibit Hall Grand Opening and Reception **
6:30 pm–11:00 pm  Annual Awards Gala & Dinner **
   Entertainment by Four Day Weekend
   David Ahearn, Emcee

Saturday, October 7
6:30 am–12:00 pm  Registration Open
8:00 am–12:00 pm  NSPS Board of Directors continued
9:00 am–5:00 pm  NSPS CST Board Meeting
9:00 am–1:30 pm  Exhibit Hall Open **
12:00 pm–1:30 pm  Lunch with Exhibitors **
12:00 pm–1:30 pm  Lunch with Exhibitors **
5:45 pm  Convention Adjourns

** Ticket/Pass Required

TSPS Convention & Tech Expo Exhibitors

Advanced Geodetic Surveys, Inc. (AGS)
Aerial Services, Inc.
AeroTech Mapping, Inc.
Alamo Valley Geosystems
ANCO Insurance
Berntsen International, Inc.
Capital Surveying Supplies
Carlson Software
Courthouse Research Specialists
CourthouseDirect.com
Dallas Aerial Surveys, Inc.
Easy Drive Stake, Inc.
GeoMax
GeoShack
Graitec USA
Javad GNSS
Leica Geosystems
Martin Instrument
Metro-Repro, Inc.
NSPS
Phoenix Geosystems
PRO-TERRA Aerial Mapping, Inc.
Quantum Spatial, Inc.
Silicon Benefits
Stewart Engineering Supply, Inc.
Survey Equipment Services
Surveying And Mapping, LLC (SAM)
Surveying History
SurveyStars
Tax Net USA
Texas Surveyors Foundation, Inc. (TSFI)
Texas811
TexasFile
Traverse PC, Inc.
TSPS Publications
Tuck Mapping Solutions, Inc.
TxDOT COGS
United Geo Technologies, LLC
University of Houston, GSES - NCALM
Western Data Systems (WDS)
Young Surveyors Network
Attendee Information (One form per attendee. Please print or type.)

First Name _______________________________________________________ Last Name _____________________________________________________

Company ______________________________________________________________ Preferred phone # (___________)_____________________________

Address _____________________________________________________ City ____________________________ State ______ Zip ____________________

Email _______________________________________________________________________________________ RPLS/SIT# __________________________

Auxiliary Member Information

First Name _______________________________________________________ Last Name _____________________________________________________

Address _____________________________________________________ City ____________________________ State ______ Zip ____________________

Preferred Phone # (___________) __________________________________________ Email _________________________________________________________________

Mail, fax or email this form to TSPS: 2525 Wallingwood Dr., Ste. 300 | Austin, TX 78746 | Fax: 512-327-7872 | djkyle@tsps.org
or register online at: www.tsps.org/convention

Events & Educational Sessions

RPLS (Full Registration) All Educational Sessions and admission to Tech Expo $260 by 9-7 $310 9-8 & after $460 $510
RPLS (Friday Only) Friday Educational Sessions and admission to Tech Expo $140 by 9-7 $190 9-8 & after $340 $390
RPLS (Saturday Only) Saturday Educational Sessions and admission to Tech Expo $220 by 9-7 $270 9-8 & after $420 $470
Paraprofessional (Full Registration) All Educational Sessions and admission to Tech Expo $120 by 9-7 $170 9-8 & after $220 $270
Paraprofessional (Friday Only) Friday Educational Sessions and admission to Tech Expo $70 by 9-7 $120 9-8 & after $170 $220
Paraprofessional (Saturday Only) Saturday Educational Sessions and admission to Tech Expo $90 by 9-7 $140 9-8 & after $190 $240
Tech Expo Pass Admission to Tech Expo both Friday and Saturday $35 by 9-7 $35 9-8 & after $45 $45

You can also register for classes online at www.tsps.org/convention.
**Auxiliary Events & Registration Fees**

- Auxiliary Annual Membership Dues (required to attend Auxiliary Events) $10
- Auxiliary Convention Registration (includes admission to Tech Expo) $35
- Thursday, 9:00 am–11:30 am Essential Oils Class No. of Tickets ____ @ $15
- Friday, 9:15 am–3:00 pm Tour and Lunch at Southfork Ranch No. of Tickets ____ @ $40
- Saturday, 11:00 am–3:00 pm Young at Heart - Annual Business Meeting & Luncheon No. of Tickets ____ @ $45

**Cancellation Policy:**
Cancellations minus a $50 administrative fee will be made if written request is received by Wednesday, September 20th. No refunds will be made after that date.

**Payment Information**

- Check # _______ □ VISA □ MC □ AMEX □ DISCOVER
- Card # ___________________________________________________________
- Exp Date __________________________ Sec. Code ___________________
- Name on Card ___________________________________________________
- Billing Address ___________________________________________________
- Billing C/S/Z ___________________________________________________

Total from previous page =
Auxiliary Total =
GRAND TOTAL =

*Payments made for the TSPS Annual Convention are not deductible as charitable contributions, however, they may be deducted as a trade or business expense. Consult your tax advisor.*

**Mobile Event App - Coming Soon!**

The 2017 TSPS Convention & Tech Expo app will be available for download in iTunes and Google Play this September! Be in the know at this year’s convention:

- Save your sessions and events to your agenda to view at a glance
- View exhibitor information and booth location
- Connect with other attendees

Watch your inbox for the email announcement in September!

**TSPS Hotel Information**

This year’s convention will be held at the Embassy Suites Dallas-Frisco Hotel Conference Center & Spa. The room rate is $160/night single or double. To make a hotel reservation:

- Call the hotel directly at 512-392-6450 (use group code: TPU)
- Book online at www.tsps.org/hotel_reservations

Reservations must be made no later than Thursday, September 7.

Follow TSPS on social media:

- facebook.com/TSPS.org
- twitter.com/texassurveyor
- linkedin.com/company/texas-society-of-professional-surveyors
- instagram.com/texassurveyor
**NEW MEMBERS**

**REGISTERED**
- David Brister #6537 - Chapter 9
  S&V Surveyings, Inc.
- Todd Fincher #5633 - Chapter 4
  Fincher Land Surveying, PLLC
- Codi Lamberson #6480 - Chapter 16
  Open Range Field Services, LLC
- Brian Nawara #6060 - Chapter 9
  Pape-Dawson Engineers
- Munir Odhwani #5996 - Chapter 9
  S&V Surveying, Inc.
- James Ward #5606 - Chapter 2
  Kimley-Horn and Associates, Inc.

**ASSOCIATE/SIT**
- Jacob Berry - Chapter 13
  Surveying & Mapping, LLC (SAM)
- Jeff Bourgeois - Chapter 5
  City of Garland
- Cody Emanis - Chapter 11
  Sherwood Surveying & S.U.E., LLC
- Gregory “Greg” Faber - Chapter 12
  Texas Department of Transportation
- Jonathan Franz - Chapter 9
  Pape-Dawson Engineers
- Johnathan “Eric” Gonzales - Chapter 5
  Haydon Building Corp.
- Gustavo “Gus” Gonzalez - Chapter 11
  GE Reaves Engineering Inc.
- Austin Lupher - Chapter 9
  Pape-Dawson Engineers
- Nathan Pare - Chapter 13
  JAG Geomatics Inc.
- Austin Woo - Chapter 9
  BGE, Inc.

**AFFILIATE**
- Bryan Archer - Chapter 5
  Galaxy Aviation Inc.
- Meredith Garza - Chapter 9
  S&V Surveying, Inc.
- Brian McLaughlin - Chapter 2
  Wier & Associates, Inc.
- Joshua “Josh” Nordin - Chapter 9
  GeoShack

**STUDENT**
- Alec Casal - Chapter 11
- Julie Mancini - Chapter 9
  Pape-Dawson Engineers
- Billy Musgraves - Chapter 9

**WELCOME!**

---

**Now calling for CST Exam Proctors…**

**TSPS Statewide CST Exam | September 9, 2017**

We are asking that each TSPS Chapter sponsor an exam by identifying a Proctor and finding a location for the exam. If there is not an approved Proctor in your chapter, ask for volunteers to become one.

The duties for proctoring the test are very simple, as is the application to become a proctor.

Please visit [http://www.nsps.us.com/?page=Proctorinformation](http://www.nsps.us.com/?page=Proctorinformation) for detailed information.

---

*Proctor applications must be submitted by August 1 in order to be approved by the exam date of September 9.*

*Address any questions regarding the process to Sara Maggi at NSPS.*

NSPS CST Program  
Attn: Sara Maggi  
5119 Pegasus Court, Suite Q | Frederick, MD | 21704  
240-439-4615 | Sara.Maggi@nsps.us.com

Complete the NSPS Proctor Form and send the original to Sara Maggi at NSPS. Then send a copy to BrendaN@tsps.org to add your information to the TSPS Events calendar and the list of testing sites.

ALL student applications will now be processed by NSPS. The applications should be mailed to Sara Maggi at NSPS BEFORE the two week student application deadline of Thursday, August 24. Do not mail them to TSPS.

Texas Statewide Coordinator: Stan Piper | 432.550.7810 | pipersurveyingco@aol.com.
TEXAS WE GOT YOUR BACK

HOUSTON
Leica Geosystems Solutions Center
800-825-3422

DALLAS/FT.WORTH
Geomatic Resources LLC
817-691-5328

AUSTIN
G4 Spatial Technologies
512-837-8991

SAN ANTONIO
G4 Spatial Technologies
210-681-4280
It’s July and we are over halfway through the year. This means that we are getting closer to the TSPS Convention. 2017 is an even more exciting year for the convention because it is combined with the National Society of Professional Surveyors (NSPS) Meeting and the NSPS Young Surveyor Network Meeting. If you haven’t attended a TSPS Convention before, this is definitely the year to go! The Texas Young Surveyors are gearing up to host the NSPS Young Surveyors from across the country with an offsite social at the Green Gator on Thursday evening. Yes, we are aware that the Green Gator is a Cajun-style venue, however, it will be transformed into a Texas-Style welcome party for our national guests!

From my personal experience, the convention is where I learned more about the organization. Prior to the convention, I had attended a few of the chapter meetings and was elected Secretary/Treasurer for the Capital Area Chapter. I was still very new to TSPS and not aware of the depth and opportunities to actively participate within the organization. If you have never been to a TSPS Board Meeting or to the TSPS Convention, I would highly encourage you to attend and see the efforts that are involved in protecting, promoting and supporting the surveying profession.

Texas Young Surveyors' Officer Team

**Director:** Anna Burroughs

**Region Coordinators:**
- Brady Stanford, West Region
- Nick Vann, East Region
- Richard Neubauer, III, South Central Region
- Stuart Warnock, North Region
- Cole Strevey, South/Coastal Region
- Codi Lamberson, Panhandle Region

**Administrative Coordinator:** Danielle Pirtle

2017 Texas Young Surveyors Update

The Texas Young Surveyors now have regional coordinators that cover the state from the Gulf Coast to the Panhandle. This year we have held meetings in Round Rock, Midland, Arlington, Houston, and Waco. There will be more meetings and activities as we continue to grow and increase in participation.

Several of the young surveyors have become interested in working with some of the TSPS committees and we encourage both young and established surveyors to get involved. Only through learning and passing knowledge down from generation to generation can surveyors protect the historic procedures and decisions passed on over time.

We are thrilled to see what the future holds for the Texas Young Surveyors and the NSPS Young Surveyor Network! Join us this year at the TSPS Convention and see how you can play a part in the future of surveying!

Anna Burroughs is the Secretary/Treasurer of TSPS Chapter 13 - Capital Area, the Director of the Texas Young Surveyors, and the Texas Representative for the NSPS Young Surveyor Network. She is actively involved at the local, state and national levels and works for McGray & McGray Land Surveyors, Inc. in Austin, TX.

2017 Regional Calendar*

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/3</td>
<td>San Antonio</td>
</tr>
<tr>
<td>8/26</td>
<td>Waco/Temple – Lunch DFW – Happy Hour</td>
</tr>
<tr>
<td>9/16</td>
<td>Corpus Christi</td>
</tr>
</tbody>
</table>

2017 National Calendar

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/4-10/7</td>
<td>TSPS 2017 Convention, Frisco, TX</td>
</tr>
<tr>
<td>10/5</td>
<td>NSPS Young Surveyor Network</td>
</tr>
<tr>
<td></td>
<td>2017 Fall Meeting, Frisco, TX</td>
</tr>
</tbody>
</table>

Be sure to follow Texas Young Surveyors on Facebook for event information and details.

To learn more about Texas Young Surveyors, visit [www.tsps.org/TYS](http://www.tsps.org/TYS).
AN ATTORNEY’S ANGLE

MARK HANNA – TSPS LEGAL COUNSEL

TEXAS REAL ESTATE LAW RECENT CASES

The following is a summary of the recent Texas real estate law cases as prepared by the Real Estate Section of the State Bar of Texas. For more information regarding these cases or other legal issues of significance to the surveying profession, contact TSPS Legal Counsel, Mark J. Hanna, 900 Congress Avenue, Suite 250, Austin, Texas 78701; telephone: 512-477-6200; facsimile: 512-477-1188.

1. Deeds and Conveyances


The four-year statute of limitations applies to lawsuits for the reformation of a deed. The statute starts running on the accrual of the cause of action. “Generally, a cause of action accrues, and therefore the limitation period begins to run, ‘when a wrongful act causes a legal injury.’” Id. at 7.

“[W]hen determining how long a grantor has to bring an action to reform a deed, [a court] must take into consideration the presumption of the grantor’s immediate knowledge (the presumption).” Id.

“[A] grantor is presumed to know the contents of the deed immediately upon executing it. Application of the presumption means that the limitation period on a claim to reform an incorrect deed begins to run as soon as the deed is executed because, as soon as the deed is executed, the grantor has actual knowledge that the deed is incorrect.” Id. at 7-8.

The rule can be rebutted in several ways. Among those exceptions is “subsequent conduct of the parties as though the deed had not contained the error. ‘Thus, when the actions of both parties after execution of the deed show that the parties believed and behaved as though there was no error in the deed, the limitation period begins when the mistake was or should have been discovered.’” Id. at 12.


A suit for reformation is subject to the four-year statute of limitations. “In general, the statute of limitations begins to run when a particular cause of action accrues.” Id. at 4.

“Ordinarily, a grantor is charged with knowledge of all defects in a deed, although the presumption of immediate knowledge is rebuttable under certain circumstances. . . . The statute of limitations with regard to a reformation claim begins to run on the date the deed is executed.... However, the Supreme Court of Texas recognizes two exceptions: the discovery rule and the doctrine of fraudulent concealment, which may extend the statute of limitations.

. . . ‘The discovery rule is a limited exception to the general principle that a statute of limitations begins to run when an injury occurs, regardless of when the plaintiff learns of the injury.’ . . . ‘The discovery rule defers accrual of a cause of action until the claimant knows or, by exercising reasonable due diligence, should know of the facts giving rise to the claim. . . . The discovery rule applies when the injury is both inherently undiscoverable and objectively verifiable.’” Id. at 5.

“An injury is inherently undiscoverable if it is the type of injury that is not generally discoverable by the exercise of reasonable diligence. . . . The requirement of inherent undiscernibility recognizes that the discovery rule exception should be permitted only in circumstances where ‘it is difficult for the injured party to learn of the negligent act or omission.’” Id.

2. Vendor and Purchaser


Winston and Blue Valley entered into a contract for Winston to buy the apartments. The contract included a free look and inspection period. It also provided a list of due diligence items to be provided by the seller, which included an EPA lead-based paint disclosure. An exhibit said that Winston had received the disclosure, but it had not, in fact, been delivered. The seller, Blue Valley, delivered an earlier Phase I to Winston that disclosed that lead-based paint had been used during the initial construction of the apartments and recommended an O&M plan for the property.

The contract provided that Winston could notify Blue Valley of its disapproval of inspection matters. The only notice given by Winston had to do with the title commitment. When Winston wanted to extend the closing date without paying a required extension fee, Blue Valley refused. Winston then sent a letter stating that it was rescinding and revoking the contract because Blue Valley had failed to provide the EPA Pamphlet. Blue Valley responded, saying that Winston could not complain about not getting the EPA Pamphlet because it had not raised that during the inspection period.

“The parties devote[d] considerable argument to the merits of whether Blue Valley was or was not required to provide the EPA Pamphlet in conjunction with exhibit I, and whether the EPA Pamphlet was or was not material to the contract.” Id. at 6. But the court said it “need not reach these issues,” or did it need to “consider whether Blue Valley’s failure to provide the EPA Pamphlet...”
3. Easements


“An easement by necessity is established with proof of (1) unity of ownership of the dominant and servient estates prior to severance, (2) necessity of a roadway, and (3) existence of the necessity at the time of the severance of the two estates. . . . Whether these requirements have been met is determined at the time of severance of the alleged dominant and servient estates.” Id. at 5.

“Necessity at the time of severance is an essential element of an easement by necessity. Staley bore the burden of proving not only unity of ownership and present necessity, ‘but also “historical necessity,” i.e., an easement was necessary at the time of the severance.’’’ Id. at 7.
MAGNET Enterprise is a web browser-based environment that simplifies managing field and office data in the cloud. Track assets and communicate with everyone involved on your projects. Login from any browser for live updates. Save time and collaborate during a project.
The software solution that streamlines the workflow for surveyors, contractors, engineers and mapping professionals.

- Web Browser Access
- Live Data Exchange
- Map View of Field Data
- Data Secure Backup
- Chat and Communicate with Others

ASK US ABOUT MAGNET Enterprise

MAGNET Enterprise is a web browser-based environment that simplifies managing field and office data in the cloud. Track assets and communicate with everyone involved on your projects. Login from any browser for live updates. Save time and collaborate during a project.

If you’re looking for great deals on equipment then call our experts or stop by one of our many locations and see for yourself what products and services GeoShack has to offer. We have everything you need to get the job done accurately and right the first time.

Don’t forget to ask us about our GeoShack Advantage programs – where you can get support, training, and other services along with your equipment purchase.

We Have Everything You Need!

If you’re looking for great deals on equipment then call our experts or stop by one of our many locations and see for yourself what products and services GeoShack has to offer. We have everything you need to get the job done accurately and right the first time.

Don’t forget to ask us about our GeoShack Advantage programs – where you can get support, training, and other services along with your equipment purchase.

For More Information Visit Us At: www.GeoShack.com

©2016 GeoShack. All rights reserved. lm.gs.svy.2.8.16.v2f
SUMMER SAFETY
Joe Breaux, RPLS, TSPS Safety Committee Chair

Summer is here again. The days are longer, the nights are warmer and we’re all more active, at work and at play. It is hot and getting hotter, still. Longer days means more time to work, but also more time for recreation and travel, more time for fishing, camping, boating, and many other activities. Also more driving, more time in the sun, exposure to heat, and hazards such as fatigue, traffic and distracted driving.

To avoid the problems previously mentioned and to be able to get the most out of work and recreation during the summer, here are some tips and ideas that may help.

More work or activity in the summer sun and higher temperatures almost certainly causes us to sweat more losing valuable fluids from our body. To avoid dehydration problems stay hydrated. Drink plenty of water and sport drinks before you begin work or activities. Don’t wait until you become thirsty to begin replenishing fluids, begin before and keep it up. Waiting means you are already behind schedule. Sources say that strenuous activity or work outdoors, in the sun and heat calls for drinking 16 or more ounces of water per hour. Individual needs and the particular conditions may vary this rate.

And don’t forget about providing water for pets while traveling, too. Hotter temperatures and hot cars as well as more activities cause pets to be more thirsty than usual. Be sure to provide ample water for them, too.

Use sun screen and protect your skin from the burning, drying effects of the sun. This also applies for cloudy days, too, due to ultraviolet (UV) rays which are almost always present. Use sun screen with an SPF of 30 or above. Some sources say higher SPF numbers don’t help, but regardless, reapply sunscreen according to the directions on the container. Often the reapplication rate is at about a 2 hour interval. Reapply it often, especially if you are in the water or if you have fair skin. It is difficult to stay out of the sun when working, but during other activities protection is possibly more important. In addition to sunscreen, wearing a large brim hat and a light colored and long sleeved shirt is good protection. Much of the outdoor clothing today is SPF rated. Continued overexposure to the sun can be harmful, not only now, but especially later in life. It can cause skin problems that can be as serious as skin cancer. Protection is critical.

Don’t forget about bug repellent during summer time, also. Bugs are far more active during warmer months and are most active in early morning or late evening times. Mosquitoes are most active during these times and are more than annoying. Mosquitoes can cause red, itchy bumps on most people and carry diseases which can easily affect pregnant women, infants and those with weaker immune systems. There’s also ticks and chiggers. Ticks can carry Lyme disease as well as cause infection where they have penetrated the skin and left body parts when you pull them off. Chiggers may only cause red, itchy bumps, but these can last for a week or more and be quite annoying, at the least. For any of the bites, scratching can lead to infection.

Use a quality bug repellent that offers protection against mosquitoes, ticks and chiggers. A repellent with DEET is easy to find and offers good protection. Other repellents such as natural remedies may only offer limited protection or may not work, depending on the ingredients. These may also require more frequent application. Either way, be prepared if working in the field or participating in recreational activity that put you in tall grass or wooded areas. Make certain to spray exposed skin and spray clothing, too. Especially around pants cuffs, your belt area and shirt cuffs. Chiggers and ticks often make their way onto your skin at these locations.

While driving, refrain from using a cell phone or handheld device. Many employers have policies that limit or forbid such use unless you are stopped. In fact many towns and cities, at least 98% of them, have some form of ordinance that prohibits use a cell phone or handheld device while driving. Research shows that when using a cell phone while driving, one can miss up to 50% of the driving environment (surrounding conditions). Hands-free devices are said to be no safer than holding and using a cell phone, either. That goes for texting while driving, too. At 55 miles per hour, the average text message causes the driver to look away from the road for 5 seconds, enough time to travel the length of a football field (100 yds./300 ft.). If you must text, or take or make a call, pull off of the road and into a parking lot, a much safer place. Don’t use the shoulder of the road as a safe place, park away from the travel lane(s). Cities with ordinances that restrict use of a cell phone while driving also have fines that may range up to $500.

Use your seat belt, at all times while the vehicle is moving. Besides being a law for all vehicle occupants, it is the best practice. Seat belts do save lives. This is a proven fact and the single most effective means of reducing traffic deaths and injuries. 63% of traffic related deaths result from failure to use
Safety

a seat belt. In a crash a driver or occupant who didn’t buckle up has little, if any, chance of survival when thrown from their vehicle. It is the law, so what more is necessary to say?

When riding a motorcycle or an ATV, wear a helmet. Sure, it’s not as cool looking, but head injuries are the primary cause of death in motorcycle/ATV/UTV accidents, too. Make sure that your UTV has a roll cage for driver and passenger protection. And if your off road vehicle has seat belts, use them when in motion.

When boating, there are two main issues: 1) not wearing life jackets while running (at all times is even better for maximum protection) and 2) alcohol impaired operators. Alcohol is seldom a problem at work, but it is more common for recreational boating. In the event of a boating accident, an unconscious person can’t swim or hold on to a flotation device. And boat operators who are impaired in any way are slow to react to danger and may even be the cause of an accident. Drink responsibly or better yet, don’t drink while operating a boat.

When in the field, whether working or for fun, watch out for snakes. Snakes are on the move in summer, so always be alert for them. Use a walking stick if you can, or make a bit of noise while walking. Be cautious in high grasses, near shady bushes that are cool spots for shakes to rest, and be especially cautious reaching into brush or wood piles or on to rock ledges that you can’t see.

These are just simple reminders given in hopes of making your summer, whether for work or pleasure, a far safer one. Have fun, work hard and please be safe.

Are you a social media savvy surveyor?
If so, be sure to follow TSPS on Facebook, Twitter, Instagram and LinkedIn:

- facebook.com/TSPS.org
- twitter.com/texassurveyor
- instagram.com/texassurveyor
- linkedin.com/company/texas-society-of-professional-surveyors

See you out and about on the internet!
With the **Aibot X6**, you can generate data for orthophotos, 3D models, and point clouds in **high density with great accuracy**. Flight planning software makes it simple to obtain **photogrammetry**, all while **saving time and money**!

- Safely go where conventional equipment can’t reach
- Point cloud generation, volumetrics, GM creation
- Creation of location & inventory plans, topographic images, planning fundamentals, and aerial photos

**Call today for your demo!**

1-800-545-0932

www.HOLMANS.com
2017 Annual SurPAC Campaign
Donation Form

SurPAC provides TSPS the means to create and maintain a presence in the legislative process. Please help us to continue to promote and protect the surveying profession.

YES! I would like to support SurPAC and its efforts by donating $ ____________________.

Please print:

First Name _________________________________ Last Name _________________________________

Employer _________________________________________________________________________________

Address ________________________________________ C/S/Z _________________________________

Phone (________)__________________________ Email __________________________________________

Payment Information

□ Check # _______ □ VISA □ MC □ AMEX □ DISCOVER

Card # ______________________________________ Exp Date __________ Sec. Code ______________

Name on Card ______________________________________ Billing Zipcode ______________________

Please mail this form along with a personal check to:
TSPS SurPAC | 2525 Wallingwood Dr., Ste. 300 | Austin, TX 78746

Personal credit card donations can also be mailed in or sent via:
Fax: 512-327-7872 | Email: djkyle@tsps.org | www.tsps.org/SurPAC

QUALITY BEYOND MEASURE
EASY ONLINE ORDERING!
Your Satisfaction, Guaranteed.

SURV-KAP.COM
SURVEY MARKERS, CAPS AND ACCESSORIES
800-445-5320
SURVEY SALES SPECIALIST – AUSTIN & HOUSTON, TX
GEOSHACK

GeoShack is growing and we are looking to hire a talented Survey Sales Specialist, who enjoys a challenging, fast-paced environment that’s both competitive and rewarding. GeoShack is a leading distributor of leveling, alignment, measurement, guidance and grade control solutions to the Construction, Survey, Machine Control and Agricultural markets in North America. We provide our customers a “total solution” of quality products and services to meet their needs.

The Survey Sales Specialist position requires a working knowledge of the local survey market with 2-5 years of a proven sales track record and the ability to develop relationships with customers and provide them with real, effective solutions. You will be responsible for prospecting and identifying potential opportunities and closing high value deals with surveying and engineering firms, and governmental entities in a dedicated sales territory. You will be selling Topcon GPS, surveying instruments and robotic total stations.

The successful candidate will possess:

- Minimum 2-5 years sales experience
- Exceptional organizational and communication skills
- Strong achievement drive
- Must be computer literate
- Knowledge of survey, engineering and/or governmental markets preferred
- Willingness to learn about the products we sell
- Positive, sales-oriented personality
- Business-like, professional appearance
- Prefer Bachelor’s Degree or equivalent.

Benefits:

- Competitive Salary with commissions
- Vehicle Allowance
- Travel expenses covered
- Medical, Dental and Vision Insurance
- 401(k) Retirement plan with company match
- Employer paid Life Insurance, and Short and Long-term Disability
- Paid Time Off and Holiday Pay
- Laptop Computer and Cell Phone

If interested, please apply online at geoshack.com/careers.

SURVEY PARTY CHIEF – FORT WORTH, TX
DUNAWAY ASSOCIATES, LP

Dunaway is a professional services company with over 60 years of delivering results. We have offices in Fort Worth, Austin, Midland, Prosper and San Antonio. Our staff of over 175 employees provides civil engineering, structural engineering, planning and landscape architecture, environmental, surveying and GIS. Our Core Values are a unifying force and are at the heart of our culture, the way we treat each other, the manner in which we work with clients, and the standards of behavior we set for each other.

We are currently looking for a Survey Party Chief to work in our Fort Worth office.

Job Summary

Plan, organize, and direct work of one survey party engaged in land surveying to determine precise location and measurements of points, elevations, lines, and areas to be used in the production of the final survey product.

Minimum Qualifications

- High school diploma or equivalent
- Must hold Level III Certified Survey Technician Certification (CST)
- Driver’s license and acceptable driving record
- Minimum of 3 years’ experience working in and with a survey field crew
- Excellent leadership skills
- Good interpersonal and communication skills
- High attention to detail
- Good analytical skills
- Ability to lift up to 50 lbs and work in the outside elements

Preferred Qualifications

- Two plus years prior experience as a Party Chief
- Surveyor in Training (SIT) certification

To apply for this job, please go to the “Careers” tab at http://dunawayassociates.com/.

SURVEYOR – HOUSTON, TX
CENTERPOINT ENERGY

CenterPoint Energy has a Surveyor opening in our downtown Houston location.

Responsible for performing land boundary surveys, delineating routes, areas, and sites for company purchases or studies. Surveys will involve the analysis of record information and collected field data with the application of special knowledge of mathematics, mapping, abstracting and related elements of law.

Position requires a Surveyor-In-Training Certification or a Registered Professional Land Surveyor License.

Please apply online www.centerpointenergy.com/careers Job ID CEH01930 or send a resume to Renee.coty@centerpointenergy.com

CenterPoint Energy is an Equal Opportunity Employer looking to employ and advance in employment qualified minorities, females, people with disabilities, and veterans.
MULTIPLE POSITIONS – CONROE, TX
JEFFREY MOON & ASSOCIATES, INC.
Moon & Associates is in need of the following positions for people experienced in Public Works projects (water, sewer, roads), Topographic Surveys, Route Surveys, Boundaries, Land Development projects, Construction Staking.

Multiple Positions Available – Conroe, Texas.

• RPLS - 5+ years’ experience in preparing Subdivision plats for surrounding Cities, Counties, AUTO CAD capabilities, client interaction, managing crews and Cadd people, etc., ownership possibilities.
• Party Chief - 5+ years’ experience.
• Instrument Man - 3+ years’ experience.
• Cad Tech - 3+ years’ experience.

Medical Insurance paid.
Send resumes to jeff@moonsurveying.com

MULTIPLE POSITIONS – AUSTIN, TX
WALKER PARTNERS
Walker Partners, LLC, a civil engineering and surveying firm, has employment opportunities for surveying positions at our Austin office.

• SURVEY CREW PERSONNEL - Highly motivated field personnel to perform ALTA, boundary, topographic, engineering design, construction staking, and as-built surveys. Some short-term travel is required. Experience with Leica GPS a plus.
• CAD TECHNICIAN - AutoCAD technician experienced in boundary, land title and topographic surveys is required. Experience with Civil 3-D and Leica GPS required.

Benefits include health insurance, 401(k), vacation, sick leave, and holidays. In addition, field personnel receive bad weather pay. Please email resume to lsimpson@walkerpartners.com. Inquiries are confidential.

MULTIPLE POSITIONS – FORT WORTH, TX
RAMSEY LAND SURVEYING
*Party Chief
*Instrument Man

Experience with Trimble Robotic Total Stations and Trimble GPS strongly preferred for all positions.

Must be available to work minimum of 40 hours per week (M-F), valid driver’s license, clean background check and drug screen. Full benefits including healthcare, 401k, and paid holidays.

Email resume or application request to hiring@rlsurveying.com.
Job Listings

MULTIPLE POSITIONS – ROUND ROCK, TX
LANDESIGN SERVICES, INC.
Landesign Services, Inc. is now accepting resumes for the following positions:
• RPLS (licensed in Texas)
• Instrument Operators
• S.I.T. or Senior Survey Tech
Preference will be given to those who are TxDOT pre-certified and possess strong working knowledge of MicroStation and GEOPAK.
Opportunity to work for an established Land Surveying company located in Round Rock, Texas.
Field personnel will be required to travel.
Send confidential resumes to: employlandesign@gmail.com

MULTIPLE POSITIONS – MIDLAND, TX
WATSON PROFESSIONAL GROUP INC.
Positions available at Watson Professional Group Inc: RPLS, SIT, Project Manager, Draftsman, Crew Chief and Rodman/Field Hand (will train).
Email resume to eahlstrand@wpg-us.com.
Mail to P.O. Drawer 11186, Midland, TX 79702

MULTIPLE POSITIONS – CEDAR PARK, TX
SURVTEX, LLC
SURVTEx, LLC of Cedar Park, TX (North Austin) is seeking:
Senior Survey Technicians and Senior Party Chiefs - Experienced leaders with a minimum of 4 years working on Boundary, ALTA/ACSM Survey, Topographic/Tree Survey, and Construction Staking projects. Preference will be given to candidates with TxDOT experience or CST certification.
Field Personnel - Motivated and dependable applicants of all levels. SURVTEx offers competitive wages, paid vacation & sick leave, 401(K), and healthcare.
Please send your resume to jason.parker@survtex.com.
www.survtex.com | TBPLS Firm #10084600

ROD TECHNICIAN – AUSTIN, TX
BGE, INC.
BGE, Inc. is looking for a Rod Technician that would be located in Austin, Texas. The candidate should be physically capable of cutting brush and hammering iron and wood stakes, knowledgeable of abiding by safety requirements, knowledgeable of traffic control and safety procedures for a variety of surveying and construction operations, familiar with proper procedures for the care, cleaning and use of a variety of surveying tools and electronic equipment, including the tribrach and tripod, ability to lift 50 lbs., work outside for 8-10 hours a day, walk 2 miles. Send resumes to cluke@bgeinc.com

PROJECT SURVEYOR – FRISCO, TX
BGE, INC.
COME GROW WITH BGE, INC
BGE is a fast growing company in the Texas Market with multiple open positions for anyone interested in a great work environment, new technology and a chance to grow and learn. We are looking for leaders or future leaders who will impact our growth and expertise as a company.
BGE is a full service Engineering Company with many high profile projects. We have services covering Surveying, Land (single & multifamily), Site, Environmental, Transportation, Traffic, Construction Management, Land Planning and Public Work services. As an employee, you will be able to experience our “ONE TEAM” practice and work on varying types of projects throughout the company. We believe and practice the development and promotion of employees within our company.
BGE is looking for an RPLS that would be located in our Fort Worth office and would run and operate that office. The candidate should be an RPLS in the state of Texas with excellent communication skills, project management experience and working knowledge of Civil3D software. The ideal candidate would have surveying and mapping experience in the areas of land development, site development, public works and transportation/TxDOT and capable of managing survey technicians and field staff.
Send resumes to cluke@bgeinc.com

TSPS MEMBERS!
Get ahead of the competition...subscribe to receive INSTANT job listing notifications! It’s easy:
1. Visit www.tsps.org/networking
2. Click on Subscribe to login to the website
3. Choose categories relevant to you, then save your preferences
You will receive an email alert for each new opening posted.
Happy job hunting!

BUSINESS FOR SALE
Twenty-Nine (29) year old Surveying business in Northeast Texas for sale. Gross Revenue for 2016 was $467,000.00. Turn Key business includes building, trucks, instruments, Topcon GPS stations (base and rover), computers, software, searchable job database. Price negotiable, owner willing to work a minimum of 2 years for transition. Owner Registered in Texas, Arkansas and Oklahoma. Phone (903) 701-0918, email at kemethlynch@lynchsurveying.com.
GET SURVEY AND MAPPING EQUIPMENT
New, Used & Rentals
Certified Repairs | Supplies | 24hr Support

ADVANCED GEODETIC SURVEY INC, an authorized Trimble™ dealer since 1991, is committed to supplying clients with leading-edge surveying and mapping equipment and exceptional customer support. AGS is your partner for new or used equipment, rentals, repairs and now a full line of supplies. Contact us today and learn how our full-service approach can make your project more efficient and profitable. Serving our Texas customers for over 27 years.

AGS NEWS
- You can now get your products and supplies online at agsgps.com/store
- New AGS store opened in the Permian Basin with Supplies, Sales & Rentals

It’s the SERVICE after the Sale that Counts!

Phone (979) 553-4677
Toll Free (877) 755-4680
23111 FM 1462 Damon, TX 77430
www.AGSGPS.com
Professional Listings

List your card here!
Send a digital copy of your business card to Kristen@tsps.org, or call 512-327-7871 for more details.

The Texas Surveyor | July 2017

THOMPSON & ASSOCIATES, INC.
Consulting Surveying Engineering
TBPLS No. #10072700
Perry Thompson, Jr., President - P.E., R.P.L.
903-593-0128
3420 K Avenue, Suite D
Tyler, Texas 75701
Fax: 903-592-5474
taxsurveying@suddenlink.net

WIER & ASSOCIATES
ENGINEERS | SURVEYORS | LAND PLANNERS
Arlington * Henderson
1.800.499.7070
www.WierAssociates.com

Raymond L. Goodson, Jr., Inc.
5445 La Sierra, Suite 300, LB 17
Dallas, Texas 75231
Est. 1953
Licensed Professional Land Surveyor in TX
Licensed Landscape Architect in TX

LUPHER, LLC
Texas Professional Land Surveyors
TBPLS Firm # 351987
Robert A. "Bob" Lupher, RPLS
Executive Vice President
5411 Brynmore Dr
Houston, Texas 77011
www.lupherllc.com

Landmark Surveying, LP
Dana A. Markus-Wolf, R.P.L.S.
President of the General Partnership
2005 E. 5th Street
Austin, TX 78702
(512) 326-7411
Fax: (512) 326-7419
dana@landmarksurveying.com
TUCF/WBE/HUB/DBE/SBE

McGraw & McGraw
Land Surveyors, Inc.
Certified DBE/WBE/DBE
TBPLS Firms #00955500
3301 Handcock Drive Suite 8
Austin, Texas 78731
(512) 451-6861 FAX 451-6791
mcgray@mcgray.com

MCGRAW & MCGRAW
LAND SURVEYORS, INC.

LUPHER, LLC
Texas Professional Land Surveyors
TBPLS Firm # 351987
Robert A. "Bob" Lupher, RPLS
Executive Vice President
5411 Brynmore Dr
Houston, Texas 77011
www.lupherllc.com

Landmark Surveying, LP
Dana A. Markus-Wolf, R.P.L.S.
President of the General Partnership
2005 E. 5th Street
Austin, TX 78702
(512) 326-7411
Fax: (512) 326-7419
dana@landmarksurveying.com
TUCF/WBE/HUB/DBE/SBE

McGraw & McGraw
Land Surveyors, Inc.
Certified DBE/WBE/DBE
TBPLS Firms #00955500
3301 Handcock Drive Suite 8
Austin, Texas 78731
(512) 451-6861 FAX 451-6791
mcgray@mcgray.com

PAPE-DAWSON
ENGINEERS

Raymond L. Goodson, Jr., Inc.
5445 La Sierra, Suite 300, LB 17
Dallas, Texas 75231
Est. 1953
Licensed Professional Land Surveyor in TX
Licensed Landscape Architect in TX

The Texas Surveyor | July 2017

Civil
Structural
Survey
Forensics
IPD

RLG

LJ A
Engineering
SURVEYING DIVISION

Jlaengineering.com
Corpus Christi South
TBPLS No. 1004001
Corpus Christi Central
TBPLS No. 1004400
Alice
TBPLS No. 1004000
Houston
TBPLS No. 1003101
Beaumont
TBPLS No. 1003000
Deer Park
TBPLS No. 1002971

Licensed Professional Land Surveyor in TX
Licensed Landscape Architect in TX

Raymond L. Goodson Jr., Inc.
5445 La Sierra, Suite 300, LB 17
Dallas, Texas 75231
P: 214/739-8100
F: 214/739-8364
Est: 1963
### WEDGWOOD SURVEYING AND MAPPING, LLC

**Address:**
1805 Quarta Drive
Austin, Texas 78728

**Website:**
www.wedsurveying.com

**Services Offered:**
- Surveying
- Land Development
- Boundary Surveys
- Topographic Surveys
- As-Built Surveys

---

### WEISSER ENGINEERING & SURVEYING

**Address:**
1860 Park Row, Suite 201
Houston, Texas 77004

**Website:**
www.wesserengineering.com

**Services Offered:**
- Engineering
- Surveying

---

### THE MUSEUM OF MEASUREMENT AND TIME

**Address:**
32 N. Main Park, Seminole, Texas 75750

**Website:**
www.museumofmeasurementandtime.com

**Services Offered:**
- Engineering
- Surveying

---

### STANGER SURVEYING TYLER LLC

**Address:**
1595 E. Grande Blvd.
Tyler, TX 75703

**Services Offered:**
- Surveying
- Land Development
- Boundary Surveys
- Topographic Surveys
- As-Built Surveys

---

### UNITED GEO TECHNOLOGIES, LLC

**Services Offered:**
- Photogrammetry
- Aerial Mapping
- Geospatial Imagery
- Geographic Information Services

---

### ELS SURVEYING & MAPPING, INC.

**Services Offered:**
- Surveying
- Land Development
- Boundary Surveys
- Topographic Surveys
- As-Built Surveys

---

### AGS ADVANCED GEODETIC SURVEYS, INC.

**Services Offered:**
- Surveying
- Land Development
- Boundary Surveys
- Topographic Surveys
- As-Built Surveys

---

### GRAITEC USA

**Services Offered:**
- BIM Solutions
- Services for the AEC industry

---

### MRTN INSTRUMENT

**Services Offered:**
- Surveying
- Land Development
- Boundary Surveys
- Topographic Surveys
- As-Built Surveys

---

### TECHNICAL SELLER

**Services Offered:**
- Surveying
- Land Development
- Boundary Surveys
- Topographic Surveys
- As-Built Surveys

---

### MARTIN INSTRUMENT

**Services Offered:**
- Surveying
- Land Development
- Boundary Surveys
- Topographic Surveys
- As-Built Surveys

---

### MARTIN INSTRUMENT

**Services Offered:**
- Surveying
- Land Development
- Boundary Surveys
- Topographic Surveys
- As-Built Surveys

---

### AVL SURVEYING & MAPPING, INC.

**Services Offered:**
- Surveying
- Land Development
- Boundary Surveys
- Topographic Surveys
- As-Built Surveys

---

### E.L. “Buster” Sartain

**Services Offered:**
- Registered Professional Land Surveyor

---

### TECHNICAL SELLER

**Services Offered:**
- Surveying
- Land Development
- Boundary Surveys
- Topographic Surveys
- As-Built Surveys

---
Coming Events

View more details and register for coming events at www.tsps.org/calendar.

**August**

**Aug 4-5**  
**Strategic Planning & 3rd Quarterly Board Mtg**  
Omni La Mansion del Rio  
112 College Street | San Antonio, TX 78205

**Aug 4**  
**Ray Wisdom Reception & Auction**  
Omni La Mansion del Rio  
112 College Street | San Antonio, TX 78205

**September**

**Sept 9**  
**CST Exam (Electronic Exam)**  
North Lake College - West Campus  
1401 Royal Lane | Dallas, TX 75261

**Sept 21-23**  
**Locating Original Corners Seminar**  
Neal’s Lodges and Annandale Ranch  
Concan, TX 78838

**Sept 22-23**  
**El Paso Seminar**  
Wyndham El Paso Airport Hotel  
2027 Airway Blvd. | El Paso, TX 79925

**October**

**Oct 4-7**  
**66th Annual Convention & Tech Expo**  
Embassy Suites Dallas-Frisco Hotel, Convention Center & Spa  
7600 John Q. Hammons Dr. | Frisco, TX 75034

**Oct 5-7**  
**NSPS/TSPS Joint Meeting**  
Embassy Suites Dallas-Frisco Hotel, Convention Center & Spa  
7600 John Q. Hammons Dr. | Frisco, TX 75034

**December**

**Dec 2**  
**TSPS December Seminar**  
Omni Hotels SouthPark  
4041 Governors’ Row | Austin, TX 78744

**NOTICE:**

TBPLS Board meetings are now streamed live. Visit: tpsps.org/tbplsmeeting to join in.

CEU credits not applicable.  
Per TBPLS: in order to earn hours you must physically attend the meeting and sign the sign-in sheet.
Locating Original Corners Seminar

September 21-23, 2017 – Concan, Texas

This 2 1/2 day, hands-on seminar takes place in a beautiful setting on the pristine Frio River near Garner State Park at the 15,000 acre historic Annandale Ranch in the Texas Hill Country.

Referred to as “the best RPLS exam prep course available, this unique interactive experience is presented and led by some of the state’s most highly experienced practicing Licensed State Land Surveyors.

Participants who attend will:
- Participate in the determination of the gradient boundary of the Frio River.
- Capitalize on techniques for determining corner search positions learned over years of experience.
- Appropriately apply the field evidence to final original survey construction to legally establish missing or obliterated corners.
- Review landmark court cases that were the basis for the current dignity of calls in regard to retracing original survey corners.
- Examine ancient trees in search of survey witness marks called for in the original survey field notes.
- Seek and find original rock mounds set in the 1800s that remain virtually undisturbed and in their original position.

Schedule of Events

**NOTE: meals and lodging are not included in registration fee**

**TSPS Members:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, September 21</td>
<td>12:00pm - 1:00pm</td>
<td>Registration</td>
</tr>
<tr>
<td>1:00pm - 5:00pm</td>
<td>Intro, LSLS panel, and field exercises</td>
<td></td>
</tr>
<tr>
<td>Friday, September 22</td>
<td>7:00am - 8:00am</td>
<td>Breakfast</td>
</tr>
<tr>
<td>8:00am - 5:00pm</td>
<td>Field exercises and discussion (hour lunch break included)</td>
<td></td>
</tr>
<tr>
<td>Saturday, September 23</td>
<td>7:00am - 8:00am</td>
<td>Breakfast</td>
</tr>
<tr>
<td>8:00am - 12:00pm</td>
<td>Field exercises and discussion</td>
<td></td>
</tr>
</tbody>
</table>

Requirements

Each seminar participant should bring:
- Clothing/footwear suitable for rough terrain
- Personal field gear
- Calculator (any type)
- Scratch pad
- Triangles
- Scale
- 24” straight edge
- Comfortable, casual wear for evenings

Accommodations

Accommodations are provided by Neal’s Lodges in Concan, TX. To reserve your cabin, contact Neal’s Lodges at 830-232-6118 or reserve@nealslodges.com. All cabins are reserved and paid for on an individual basis by each attendee. Mention the TSPS seminar to receive a 30% discount on cabin rates. Visit www.nealslodges.com for more details and directions.

Instructors

C.B. (Ben) Thomson, RPLS, LSLS
Bill O’Hara, RPLS, LSLS
Davey Edwards, RPLS, LSLS, CFedS
Garey Gilley, RPLS, LSLS
Don King, RPLS

Register online at www.tsps.org/LOC17 or complete the form below and fax or email to Brenda at 512-327-7872 or BrendaN@tsps.org.

The TSPS Cancellation Policy allows for a refund less a $50 processing fee. Cancellations must be sent via email or in writing, and received in this office by Monday, September 18.

TSPS Members: by 9-4-17 9-5-17 & after Non-Members: by 9-4-17 9-5-17 & after

<table>
<thead>
<tr>
<th>Registration (16 CEUs)</th>
<th>$325</th>
<th>$375</th>
<th>$425</th>
<th>$475</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraprofessional (no CEUs)</td>
<td>$170</td>
<td>$195</td>
<td>$220</td>
<td>$245</td>
</tr>
</tbody>
</table>

**NOTE: meals and lodging are not included in registration fee**

Name__________________________
Company________________________
Address________________________
C/S/Z__________________________
Email__________________________
Phone (________)________________

Payment: □ Visa □ MC □ AMEX □ Discover
□ Check #________ Total Amount Paid $________
Account #______________________
Exp. Date____________ Sec. #_______ Billing Zip___________
Name on Card__________________

Payments made to TSPS are not deductible as charitable contributions, however, they may be deducted as a trade or business expense. Consult your tax advisor.
We are excited to bring our brand of personalized customer service to all of Texas, from El Paso to Houston, Dallas-Forth Worth to the valley and every town in between. At Martin Instrument, we offer a service department with 3 day or less turnaround, tech support there when you need it and sales reps that call you back – quick. Since 1992, our team has been helping surveyors with sales, service and rentals, keeping their jobs on budget and on time.

Give us a try! Call 877.309.4099 or visit martininstrument.com today!