The equipment you need. The expertise you expect.

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
Benchmark ................................................................................ 7
Redefining the Profession ...................................................... 10
An Attorney’s Angle ................................................................ 15
Leaving a Legacy ..................................................................... 16
Convention Registration Form ............................................... 19
New Members ........................................................................ 21
What to do in a Medical Emergency .................................... 24
For Sale .................................................................................. 27
SurPAC Donation Form .......................................................... 27
Job Listings ............................................................................. 28
Professional Listings .............................................................. 32
Surveyors of Early Texas ...................................................... 35
Sustaining Members ............................................................... 35

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)
Robby Christopher, Hugo Reed & Associates, Inc., Lubbock, Texas
Chris Freeman, Lina T. Ramey & Associates, Inc., Farmers Branch, Texas
Trisha Lund, MBCO Engineering LLC, Houston, 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

Professional Listings
Send a digital copy of your business card to communications@tsps.org, or call 512-327-7871 for more details.

Deadline for Advertising and Articles
The Texas Surveyor is published bimonthly. Copy and ad deadline is the 5th of the month preceding publication.

Advertising Rates/Placement Information
Please visit www.tsps.org/mediakit to view the TSPS Media Kit or request a media kit by emailing communications@tsps.org.

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)
Robby Christopher, Hugo Reed & Associates, Inc., Lubbock, Texas
Chris Freeman, Lina T. Ramey & Associates, Inc., Farmers Branch, Texas
Trisha Lund, MBCO Engineering LLC, Houston, 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

Standards for Submission of Articles
The Texas Surveyor welcomes contributions from members. Submit original articles in Word doc form to communications@tsps.org. Copy all quoted material exactly as it appears in the original, indicating omissions by ellipses. Use quotation marks for quotes and give credit to the source from which you are quoting. Hi-res photos in .jpg format preferred. Include your name and identify the picture and all persons in photo. Email submissions to communications@tsps.org.

Editor-in-Chief
Trisha Lund

Managing Editor
Kristen L. Evon

On the Cover
Early Texas surveyors circa 1876.
Photo courtesy of Charles F.H. Blucher
Family Papers, Special Collections & Archives, Mary and Jeff Bell Library, Texas A&M University-Corpus Christi, Texas.

Executive Director
DJ Kyle
2525 Wallingwood Dr., Suite 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

The Texas Surveyor | September 2017
Leica Zeno 20 GIS Handheld
The Ultimate Geospatial Workhorse

FEATURES
- Out-of-the-box and straight to work experience
- Durable IP67 dust and waterproof rating
- Largest best-in-class outdoor screen
- Ergonomic and weight optimized design
- Windows embedded hand-held (WEH) 6.5.3 pr Android
- Leica Geosystems or BYOS (bring your own software)
- Full choice of GNSS configuration
- Optimized GNSS performance
- Gamtec: Combination of DISTO™ S910 with Zeno 20 close gaps in GNSS-denied areas
- The simplicity of the Zeno 20 software lets any GIS or surveying professional use it - simplicity without limitations

LOW MONTHLY PAYMENTS AVAILABLE

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.
Time flies when you are having fun, and this year has flown by. It seems like just last week, we were discussing ideas to increase membership at the 2016 Strategic Planning meeting. Those ideas led us to revise the membership brochure and mail it with a copy of the March Texas Surveyor magazine to all nonmember Registered Surveyors in an effort to increase membership.

This was a state legislative year and we spent a lot of time making ourselves visible to the legislators. In October of 2016, I attended a fundraiser for Rep. Jeff Leach in Plano, Texas. March 2017 there was a legislative summit planning meeting I attended. Sen. Van Taylor, Sen. Craig Estes, Rep. Scott Sanford, Rep. Jeff Leach, Rep. Matt Shaheen (our keynote speaker at convention this year) and Rep. Jodie Laubenberg were in attendance and gave their forecasts for the 85th Legislative Session. TSPS had its legislative day on March 22, 2017. There were about 15 surveyors at the Capitol visiting with their legislators. It was a very good day. The legislative session ended on May 29, 2017 with some unfinished business so Governor Abbott called a special session.

Over the summer, TBPLS prepared a self-evaluation for the Sunset Commission that was due September 1 of this year. We will do our best to see that the TBPLS is renewed for another twelve years in their current form. The Executive Committee of TSPS met in Austin on July 18, 2017 to begin planning for Sunset Review. Later that day, I stopped by my Representative’s office (Rep. Justin Holland) for a short visit. It is important that your representative knows who you are and your concerns.

I had the opportunity to travel around the state to visit with fellow surveyors and attend some of their events. I went to the TSPS Chapter 4/SEFT (Surveyors Education Foundation of Texas, Inc.) educational event in Tyler. The informative seminar was moderated by Davey Edwards and the panelists included Ben Thomson, Garey Gilley, and Bill O’Hara. I went to Symposium (my first) in February at South Padre Island and had a great time! The hospitality of the local south Texas surveyors was amazing. In April, I attended a Chapter 11 lunch meeting with TSPS Executive Director, DJ Kyle, and that afternoon I attended the annual Chapter 13 picnic. They had a contest to see who could throw a total station instrument the farthest, it was difficult for me to watch. On May 16, DJ, Joe Webber, Chris Freeman and I manned a booth at the TxDOT Conference in Austin. This is an in-house conference where their surveyors get their CEUs. The TBPLS held a public hearing, at the request of TSPS, on the proposed rules they had published in the Texas Register on February 17, 2017. I offered testimony on TSPS’s position on the proposed rules. You can see the results in my From the President article in the July 2017 Texas Surveyor magazine. This is the only TBPLS meeting I attended in person this year. The board is now live streaming their meetings and copies of previous meetings are on their website. Very cool!

Chapter 11 hosted their annual Hook, Line, and Surveyor fishing tournament on July 22, 2017. This was also a first for me, but it won’t be the last. Strategic planning, the Ray Wisdom Reception and Auction, and the third quarterly Board meeting were held the first weekend of August in San Antonio. President-Elect Doug Turner facilitated Strategic planning. Shane Neally worked very hard on the Ray Wisdom Reception and Auction, and TSPS business was conducted at the Board meeting.

On a more somber note, I attended D. G. “Greg” Smyth’s final point ceremony in Uvalde on January 21, 2017. I attended the Fisher’s final point ceremony (Harold Fisher, father, and Glenn Fisher, son) in Cameron on June 10, 2017. Chris Freeman and I traveled to Midland for Craig Alderman’s memorial service. We are working on a final point ceremony for Clifford Recer. Mr. Recer was President of TSPS in 1981, the year I was registered.

The TSPS Annual Convention is at the Embassy Suites in Frisco, Texas from October 4-7, 2017. It is a joint meeting with NSPS. Be sure to attend the Awards Gala to see President-Elect Doug Turner installed!
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 manufacturers that help us build a custom solution for your business.

TEXAS’ MOST TRUSTED NAME IN GEOSPATIAL TECHNOLOGIES AND CONSULTING!

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
In August, TSPS held its Strategic Planning meeting led by President-Elect Doug Turner (Chapter 9 - Houston). The day began with speaker Jaymie Turner presenting “Getting to Know and How to Attract Millennials to Land Surveying.” The presentation created a lot of discussion with 60+ members asking questions and seeking advice on how to work with this younger generation.

Ms. Turner suggested pulling a group of millennials together and allow them to brainstorm on changes to the work environment. Give them ownership in the outcome. Ms. Turner has managed millennials for many years and has experience doing just this with her employees. Some of the outcomes they suggested were:

1. Flexible work schedules;
2. Working from home some;
3. Allowing dogs at work; and
4. Community days – the employer has organized outreach events for employees to help in the community.

President-Elect Doug Turner then continued with the Millennial & Membership theme in his afternoon presentation. Considering the average age of the profession, how does TSPS get millennials more involved and stay relevant? Again, there was much discussion on this topic and most of the members in attendance had a common theme – an employer and/or mentor that exposed them to TSPS.

Both President Lehew and President-Elect Turner are focusing on membership for their respective terms. Mentoring is the common theme … we encourage you to mentor all generations. Millennials, like every generation, have been labeled just as baby boomers were by their parents. It’s up to us to realize and embrace the difference between generations. Consider asking your employees what changes they’d like to see in your workplace.

Technology has allowed the TSPS office to embraced some of these trends. We enjoy having flexible hours and four-legged friends in the office on Fridays. These are simple changes that do not take away from the services provided to the TSPS member but create a cohesive office environment.

Endorsed by the Texas Society of Professional Surveyors.
GO BIG OR GO HOME

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

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

Supplies/Construction 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

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

Leica Geosystems
AUTHORIZED DEALER
Redefining the Profession

JOHN STAHL, PLS, CFEdS

It seems that with every emerging technology there is a scramble to determine its place in our profession, or our profession in its place. Not too many years ago, we struggled to determine our role in GIS technology. Should we be working for them or should they be working for us? We now struggle with BIM. Can unlicensed heavy equipment operators really perform their own construction layout? Or is that job reserved solely for our profession? Relegated forever to hubs and tacks. Now we have UAS. Do we rewrite our standards of practice to include this new technology? Do we again attempt to redefine our profession to wrangle some niche out of the marketplace?

Perhaps another perspective is in order. Isn’t emerging technology simply another potential tool in our ever-changing tool chest? Rather than creating another proprietary product line we should be embracing the technology to simply accomplish the tasks we already perform. We should be prepared to incorporate any technology that allows us to deliver a more diverse end product. Does the end product we deliver need to change in order to meet with present technological capabilities?

The Manual of Practice for Land Surveying in Texas provides a clear example of the profession’s attempt to define the survey practices involved in the production of the various types of survey products generally encountered. Such guidelines are designed to promote the public welfare by upholding a standard of care to be provided through the exercise of surveying practices for the mapping of property, the description of its boundaries and the maintenance of land boundary monuments. Through the adoption of the standard practices manual, the surveyor’s work product has been reduced to nine specific categories. Each category is vetted by its definition, its purpose and the technical specifications for its certification and delivery.

As our profession anguishes over the possibility that technology may somehow make us irrelevant, we are inhibited by the very standards of practice which we use to define our products. The nature of the land surveying profession is born out of public service. We are a service profession. While we have focussed on the technical process and the standards of practice, we have lost sight of the larger picture. Just as technology has changed over time, each client and each individual project brings a new and unique set of challenges. Yet, we seem conformed to package the product in the same box as the preceding one and relegate our success to a final checklist to ensure compliance. Don’t forget the north arrow!

During the upcoming 66th Annual TSPS Convention two courses will be offered to renew your perspective toward the professional work product you presently accomplish. The first course, Understanding the Risks Associated with Surveys, Descriptions and Plats, encompasses an overview of various types of surveying services designed to fulfill the intended purpose of the client. We will discuss various elements to consider when determining the scope of services to be provided. We will examine projects that failed to meet the needs of the client even though the required boxes were all checked.

The second course, Unlocking Boundary Disputes – You Hold the Keys, will focus primarily on the services provided when performing Category 1-A and 1-B surveys. We will thoroughly examine the true nature of real property boundaries to provide a better understanding of how boundaries are created and how they are established under the law. We will examine the role of the surveying profession in the determination of land boundaries when the original evidence is no longer recoverable and the footsteps have faded into obscurity. We will discuss the various roles the surveyor may undertake to assist in the boundary determination process ranging from alternative dispute resolution (ADR) to litigation.

In each of these courses, we will attempt to form new perspectives toward increasing business opportunities. What services are you walking away from, thinking that you have completed your task? Are you losing money on the difficult surveys? How many billable hours are missed? Our profession is a unique one. We have the skills, knowledge, experience and expertise that is worthy of hire and valuable to our clients. We need to find new ways to enhance the level of service we provide which will be recognized as bringing value to the client.

John B. Stahl, PLS, CFEdS, is a registered professional land surveyor in the states of Utah and Montana, currently owning and operating Cornerstone Professional Land Surveys, Inc., and Cornerstone Land Consulting, Inc., in Salt Lake City. Mr. Stahl received his A.A.S. degree in land surveying from Flathead Valley Community College in Kalispell, Montana and has authored numerous articles and publications covering topics on boundary laws, research, and resolving conflicts of evidence.
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:

Advanced UAV Solutions Inc.

Our Services:

Topo Maps · Volumetrics · ROW
Photogrammetry · Pipelines

Contact Us:

(877) 755-4680  23111 FM 1462 - Damon, TX 77430
www.advanceduavsolution.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.
TSPS Annual December Seminar
“Surveying: Boundary Law Essentials 2.0”

Presented by Kenneth G. Gold, RPLS

Saturday, December 2 | 8:00 am - 5:00 pm

Omni Hotels Southpark | Austin, Texas

Earlybird Registration Deadline - Monday, November 13

RPLS Members - $230 *** RPLS Non-Members - $330
Paraprofessional Members - $135 *** Paraprofessional Non-Members - $235

Course materials, 8 CEUs (to include 3hrs applicable to Ethics requirements),
and a buffet lunch are included in registration fee.

For more information and to register, visit www.tsps.org/Dec2017

Omni Hotels SouthPark - Austin
Special room rate $99 (mention TSPS) - Friday and/or Saturday nights
Call 512-448-2222 for hotel reservations by Friday, November 17.
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.

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

gnss.leica-geosystems.us
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. Adverse Possession and Quiet Title


“The heart of this appeal involves a dispute over entitlement to exclusive possession of an 84.3 acre tract that includes the Fairs’ 36.24 acre tract. In 1936, the owners of the 84.3 acres signed a ‘Contract and Agreement’ (the lease) providing that they ‘demised and leased’ the land to three named individuals for ninety-nine years. The lease was not recorded in the Smith County deed records until 1941.” Id. at 1-2.

ACL was incorporated in 1945 and as of trial had thirty-eight shareholders. ACL is currently in possession of the 36.24-acres tract. There is no written agreement between the Fairs and ACL. In 2010, the Fairs recorded an instrument purporting to give them fee simple title to the tract. Later that year, when the Fairs attempted to take possession of the tract, ACL denied them access. The Fairs then sued to quiet title. The trial court granted summary judgment in favor of ACL and dismissed the Fairs’ claims. The Fairs appealed.

The Fairs had sought relief under “both the trespass to try title statute and the Declaratory Judgments Act.” Id. at 3. ACL argued that the Fairs could not pursue declaratory judgment. A trespass to try title action is the method of determining title to lands, tenements, or other real property. TEX. PROP. CODE § 22.001. “This statute is typically used to clear problems in chains of title or to recover possession of land unlawfully withheld from the rightful owner. . . . In a trespass to try title action, the prevailing party’s remedy is title to, and possession of, the real property interest at issue.” Id. at 3-4.

The declaratory judgment act provides that “A person interested under a deed, will, written contract, or other writings constituting a contract or whose rights, status, or other legal relations are affected by a statute, municipal ordinance, contract, or franchise may have determined any question of construction or validity arising under the instrument, statute, ordinance, contract, or franchise and obtain a declaration of rights, status, or other legal relations thereunder.” TEX. CIV. PRAC. & REM. CODE § 37.004(a). “If resolution of a dispute does not require a determination of which party held title at a particular time, the dispute can properly be raised in a declaratory judgment action; in other words, if the determination only prospectively implicates title, then the dispute does not have to be brought as a trespass to try title action. . . However, the DJA cannot be invoked when it would interfere with some other exclusive remedy.” Id. at 4.

The Fairs then argued that ACL was not entitled to summary judgment on its affirmative defenses of equitable estoppel, waiver, laches, and limitations. The court agreed, holding that ACL had not met its burden of proof that it met all of the elements of each defense.

Finally, “ACL asserted that, pursuant to the presumed grant doctrine, the court should presume the original lessees assigned their rights under the 1936 lease to ACL, despite the absence of a recorded assignment.” Id. at 7. The Fairs disagreed. For purposes of this discussion, the court assumed that the original Contract and Agreement is a lease.

“The doctrine of presumed lost deed or grant, which is also referred to as title by circumstantial evidence, has been described as a common law form of adverse possession. . . . The purpose is to settle titles where the land was understood to belong to one who does not have a complete record title, but has claimed the land a long time. . . To establish title by this doctrine, the evidence must show (1) a long asserted and open claim, adverse to that of the apparent owner; (2) nonclaim of the apparent owner; and (3) acquiescence by the apparent owner in the adverse claim. . . . The rule has been given the most liberal interpretation and application by our courts.” Id. at 7-8.

In the dozens of cases dealing with the doctrine of presumed lost deed, “[a]ll involved disputes over title to real property. None involved solely disputes over possession of real property. ACL has cited no cases applying the presumed grant doctrine to a lease. However, assuming the presumed grant doctrine could apply to a lease of real property, ACL has failed to present evidence to establish the application of the doctrine here as a matter of law.

If the presumed grant doctrine applies to the 1936 lease, the named lessees would be in the position of ‘apparent owner.’ ACL and the Fairs both agree the lessees are not asserting rights to the 84.3 acres at this time. Thus, the second element of the presumed grant doctrine has been met.” Id. at 8. The evidence presented by ACL as to how long it had asserted its claim was insufficient to satisfy the first element. As to the third element, the court said that a party acquiesced in a claim when it cannot be shown that the party knew about it. Here, there was no evidence that the Fairs knew of the ACL claim of ownership.

Mark J. Hanna practices law in Austin and has served as TSPS Legal Counsel since 1992. In addition to providing legal and legislative representation for the Society, Mr. Hanna specializes in representing the interests of individual business and professional clients located throughout the State.
Recently, I had the privilege of honoring two greats in the Houston surveying community by coordinating a Final Point Ceremony on behalf of the TSPS Gulf Coast Chapter 9. Harold Blaine Fisher, RPLS #558, and his son Darrell Glenn Fisher, RPLS #4146, were a part of a family legacy of surveying. Glenn was my supervisor, my friend, and one of my mentors. He had a larger-than-life personality and he would eagerly engage you in what usually turned into a VERY long and usually poorly timed conversation where you did most of the listening and he did most of the talking! There is no denying that Glenn was a passionate person. He was passionate about surveying, about his family, and about baseball. He would be the first to admit that the majority of his wisdom came by learning from his mistakes, but, in reflection, I can also say that he was a humble learner. He was never afraid to ask a question or to seek out an expert. He loved the challenge of solving a mystery and never let his ego get in the way of what he was capable of accomplishing.

As I reflect on the legacy he left, I was challenged to contemplate the legacy I will leave. We are not guaranteed tomorrow, so this really is an important question. As a Young Surveyor, am I working to develop a legacy I’m proud of leaving behind? So far, our generation hasn’t started off well. Dare I mention the term “Millennials” without eye rolls and annoyance being shared from most all other generations. What will it take for Gen X-ers and Millennials to make an impact in the surveying community, one that would make both our predecessors and ourselves proud? Two things that I can see from Glenn’s life and the impact he had on me come to mind.

First, I think we need to ask ourselves if the impact we make on others and the surveying community is important to us. If it is, then we must be willing to look at our actions and our values and determine if they align. At the beginning stages of our professional careers we tend to be more reactive than proactive. There is so much to learn and so many milestones to accomplish both personally and professionally that we can at times lack intentionality. When was the last time you spent time reflecting on your actions, your deliverables, the way you treat your coworkers or employees, and gauged those actions against your core values? I’m convinced intentionality and reflection need to be an important part of our lives if we intend to develop a legacy we can be proud of for future generations.

Second, consider a mentor. Having a mentor who not only shares wisdom but also challenges you is an important part of growth and refinement. We need to be willing to humble ourselves, listen, and then apply those nuggets of truth that are so important in refining and developing our integrity. Although I was sometimes impatient with Glenn’s lengthy conversations, I now greatly miss them. He shared knowledge and wisdom with me that I could not have gained anywhere else and for that I am extremely grateful. Surveying is a profession founded on “following in the footsteps” of previous surveyors - that involves more than just reading deeds and recovering property corners. We must be willing to humble ourselves and pick up the phone to ask a question or walk into the office next door to get a second opinion. One of our biggest weaknesses as a generation may just be that we aren’t willing, or perhaps we are just too scared, to show we don’t know all the answers. We need people in our lives that not only share wisdom, but also that we are willing to listen to and trust to challenge us to be better.

A few years back, I shared a difficult situation with one of my mentors, and as I went on sharing about how wrong the other person was he stopped me and asked “Now, hold the mirror up to yourself and tell me what you need to take ownership of,”...ouch! Not the advice I was looking for, but the reality is it was exactly what I needed to hear to grow from that situation.

I’m confident that life will bring many challenges that will adversely impact the legacy we hope to leave. There will be days where we may fail to meet the mark, but I am hopeful that if we can follow Glenn’s footsteps of Intentionality, Reflection, and Mentorship we too can be individuals who leave a legacy worth honoring.
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 National Calendar

10/4-10/7  TSPS 2017 Convention, Frisco, TX
10/5      NSPS Young Surveyor Network 2017 Fall Meeting, Frisco, TX

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

To learn more about Texas Young Surveyors, visit www.tspso.org/TYS.

Follow Texas Young Surveyors on social media:
- facebook.com/TexasYoungSurveyors
- twitter.com/TXYoungSurveyor
- linkedin.com/groups/8300367

LIVE CEUs FOR PROFESSIONAL SURVEYORS

High energy LIVE educational events for professional surveyors
Choose from multiple topics in 2 Texas locations

Boundaries, Boundaries: Oct 27, Austin
Three Worlds of Surveying: Nov 10, Corpus Christi
Land Surveyor as Expert Witness: Nov 11, Corpus Christi
Deeds & Descriptions: Dec 2, Dallas

GET ALL TEXAS HOURS FOR $249*

APPROVED BY TEXAS BOARD OF PROFESSIONAL LAND SURVEYING

Presented by Dr. Charles (Tony) Nettlemann, III. PSM, RPLS, Esq.

*Combine both Corpus dates and receive a $50 discount.

www.cnettlemann.net/liveceus 512.552.5654
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
Attendee Information (One form per attendee. Please print or type.)

First Name _______________________________________________________ Last Name _______________________________________________________

Company ______________________________________________________________ Preferred phone # (___________)_____________________________

Address _____________________________________________________ City ____________________________ State ______ Zip ____________________

Email _______________________________________________________________________________________ RPLS/SIT# __________________________

Special Assistance Required □

Auxiliary Member Information

First Name _______________________________________________________ Last Name _______________________________________________________

Address _____________________________________________________ City ____________________________ State ______ Zip ____________________

Preferred Phone # (___________)_____________________________ Email _________________________________________________________________

Special Assistance Required □

Registration Options | Description | TSPS Member | Non-Member
--- | --- | --- | ---
RPLS (Full Registration) | All Educational Sessions and admission to Tech Expo | $310 | $510
RPLS (Friday Only) | Friday Educational Sessions and admission to Tech Expo | 190 | 390
RPLS (Saturday Only) | Saturday Educational Sessions and admission to Tech Expo | 270 | 470
Paraprofessional (Full Registration) | All Educational Sessions and admission to Tech Expo | 170 | 270
Paraprofessional (Friday Only) | Friday Educational Sessions and admission to Tech Expo | 120 | 220
Paraprofessional (Saturday Only) | Saturday Educational Sessions and admission to Tech Expo | 140 | 240
Tech Expo Pass | Admission to Tech Expo both Friday and Saturday | 35 | 45

Registration Fee (from above)

Course Proceedings/Materials | Printed version of session materials | $50 Member | $75 Non-Member
--- | --- | --- | ---

Events & Educational Sessions

Wednesday, October 4, 2017

10:00 am–12:30 pm | TSPS Skeet Shoot | No. of Tickets __ @ ............... | $60 ea
1:00 pm–6:00 pm | TSPS Golf Tournament | No. of Tickets __ @ ............... | $85 ea

Friday, October 6, 2017

8:00 am–10:00 am | An Understanding of Oil & Gas Regulations (2 CEUs)
8:00 am–12:15 pm | How Texas Got Its Shape (4 CEUs)
8:00 am–12:15 pm | Project Management Training (4 CEUs)
8:00 am–12:15 pm | Rules, Repercussions and Reconciliation (4 CEUs, includes 4 hrs Rules)
10:00 am–12:15 pm | Using Geospatial Data in the Oil & Gas Industry (2 CEUs)
12:15 pm–2:00 pm | TSPS Annual Luncheon | No. of Tickets __ @ ............... | $50 ea
6:30 pm–11:00 pm | TSPS Awards Gala & Dinner | No. of Tickets __ @ ............... | $75 ea

Saturday, October 7, 2017

7:30 am–9:30 am | FAA Regulations for UAS Operations (2 CEUs)
7:30 am–9:30 am | Introduction to Gradient Boundaries (2 CEUs)
7:30 am–12:00 pm | Unlocking Boundary Disputes - You Hold the Keys (4 CEUs)
7:30 am–12:00 pm | What Went Wrong, A Study in Surveying Errors and Omissions (4 CEUs, includes 1.5 hrs Ethics)
10:00 am–12:00 pm | What is a Conservation Easement? (2 CEUs)
10:00 am–12:00 pm | How to Become a Licensed UAV Pilot (2 CEUs)
1:30 pm–3:30 pm | Errors, Errors, Errors: A Practical Guide on How to Avoid Them (2 CEUs)
1:30 pm–5:45 pm | Understanding the Risks Associated with Surveys, Descriptions and Plats (4 CEUs)
1:30 pm–5:45 pm | Better Business Practices and the Law (4 CEUs, includes 1.5 hrs Ethics)
1:30 pm–5:45 pm | UAS as a Tool for Land Surveyors (4 CEUs)
3:45 pm–5:45 pm | Leaving Tracks (2 CEUs)

You can also register for classes online at www.tsps.org/convention.

Registration form continued on next page
**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.

**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.

---

**TSPS Hotel Information**
This year’s convention will be held at the Embassy Suites Dallas-Frisco Hotel Conference Center & Spa. To make a hotel reservation:
- Call the hotel directly at 972-712-7200
- Book online at www.tsps.org/hotel_reservations

---

**Mobile Event App**
The 2017 TSPS Convention & Tech Expo app will be available for download in iTunes and Google Play September 14! 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!*
NEW MEMBERS

REGISTERED
Jeff Boerner #4939 - Chapter 11
MDS Land Surveying Co., Inc.
Scott Brashear #6660 - Chapter 13
Surveying And Mapping, LLC (SAM)
David Cormier #6194 - Chapter 9
EAS Resources
Robert “Calvin” Myers #3963 - Chapter 5
R.C. Myers Surveying
Edward “Ed” Prince #6465 - Chapter 13
Doucet & Associates, Inc.
Todd Slaton #5082 - Chapter 9
True Meridian PLLC

ASSOCIATE/SIT
John Briley - Chapter 9
AGS Consultants, LLC
Jacob Hanson - Chapter 9
AGS Consultants, LLC
Robert “Rob” Lee - Chapter 2
Baird, Hampton & Brown, Inc.
Ben Lowe - Chapter 9
LJA Engineering
Jaime Martinez - Chapter 9
AGS Consultants, LLC
Forrest Nance - Chapter 2
Kimley-Horn and Associates, Inc.

STUDENT
Stacy Breneman - Chapter 9
Survey 1 Inc.
Brittany Head - Chapter 7
Tyler Sowards - Chapter 7
G & A Consultants
Steven Sparks - Chapter 22
D. G. Smyth & Co., Inc.

AFFILIATE
Vicente Castillo - Chapter 2
Yazel Peebles & Associates LLC
Wesley Hayes - Chapter 7
G & A Consultants
Sarah Morris - Chapter 4
Schaumburg & Polk, Inc.
Bianca Silva - Chapter 9
Advanced Geodetic Surveys, Inc.
Mike Spears - Chapter 9
EAS Resources
Michael “Mike” Watts - Chapter 13
Chaparral Professional Land Surveying, Inc.
Donald “Don” Zdancewicz - Out of State
NXL

WELCOME!

SURVEYORS WHO SEE A BIGGER PURPOSE
SUBSURFACE UTILITY ENGINEERING
EXPOSE POTENTIAL DANGER AND LIMIT YOUR RISK

Damaging underground utilities during construction can be dangerous, even deadly. As surveyors who see a bigger purpose, McKim & Creed helps minimize risk and create safer job sites. How? With Subsurface Utility Engineering (SUE). Proper SUE enables us to verify the existence, condition and exact location of your underground utilities. Why? Because we want you to return home safely. Every night.

State-of-the-art equipment, air or hydro excavation, anywhere in Texas, Louisiana or Oklahoma.

CONNECT WITH US
GREG JEFFRIES — SUE REGIONAL MANAGER
817.484.5695 | GJEFFRIES@MCKIMCREED.COM
HOUSTON | DALLAS/FORT WORTH | AUSTIN | TEXAS BOARD OF PROFESSIONAL ENGINEERS (TBPE)
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.

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

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

©2017 GeoShack. All Rights Reserved.
7.13_GS_TSPS_Ad
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.

Austin
(512) 821-2828

Dallas
(972) 241-6001

Fort Worth
(817) 335-3131

Richardson
(972) 783-2706

El Paso
(915) 775-1269

South Houston
(713) 955-2007

North Houston
(713) 688-8814

Lubbock
(806) 771-9524

San Antonio
(210) 521-7732

For More Information Visit Us At: www.GeoShack.com
With a surveying business, a workplace emergency could happen in the office or in the field, on the job or on the way to or from a job. It is one of those types of events that should be planned for but for which we pray never happens.

What is a workplace emergency? An emergency is an unexpected occurrence (a crisis) that calls for an immediate response. In the workplace, an emergency can be harm to employees or a client, disruption of work and damage to materials, equipment or facilities. A workplace emergency could be a weather event (a severe storm, hurricane or tornado), a fire, a hazardous substance release, an intruder or active shooter situation, or a medical emergency.

September is National Preparedness Month in the USA. Sponsored by the Federal Emergency Management Agency (FEMA) of the Department of Homeland Security, National Preparedness Month encourages Americans to take steps to prepare for emergencies in their homes, businesses, schools, and communities. It is a time for employers to have in place the proper planning and training to be able to effectively respond to an emergency. Planning is an important part of emergency preparation because of the many variables that could come into the situation. Variables would include what happened- is someone injured or is the situation a medical condition of the victim? Does it involve a substance release causing damage or harm to someone? Is it a fire or electrical problem? Is it an intruder or active shooter situation?

Without planning for multiple, varied situations, without communicating the plan to employees, without discussing the possible and expected reactions, and without drills and practicing, no plan can be expected to be as effective as it is intended to be.

Hurricane/storm preparedness, making a survival kit, intruder/active shooter and other emergency situations have been presented and discussed in past articles, as well as 2-hand CPR, signs of a stroke and more. So, we will confine our discussion now to possible occurrences related to medical emergencies. A medical emergency is “any medical problem that could cause permanent injury if not treated quickly.”

Knowing how to act in a medical emergency could save a life or lives. Every company and every office location should have an emergency plan tailored for the respective location/office. A “one size fits all” plan just might not be adequate or suit each office location. Availability of medical treatment may vary from location to location. 9-1-1 services could also vary.

Even the nomadic field crew should have a basic plan of action in the event of an on-the-job injury or a wreck situation. A first aid kit and cell phone may not be enough. If a medical emergency occurs in the field, there are obvious issues that seldom occur in the office. Issues such as snake bites, insect stings and bites, allergic reaction to bites, stings or plants and a host of other causes; over exertion, heat exhaustion, sunburn, even frost bite during the winter can be all too common. Some of these can be treated with a first aid kit, but the serious ones likely need emergency treatment and a trip to a “quick clinic” or an emergency room for treatment by skilled and knowledgeable medical personnel. If an injury or reaction is so severe or the job is so remote, especially if cell phone service is intermittent or not available, then a good plan is invaluable.

In the event of a medical emergency, most medical and emergency experts recommend these basic steps:

- Call 9-1-1 immediately. Don’t wait. It is better to be safe and have trained emergency professionals on the scene quickly than to delay or not make the call. If the situation is a true emergency involving sudden illness or a life-threatening injury, time is critical and seconds may make the difference.
- Know your address and how to give instructions on how to get to your location. If you are in a large building, or on a large or remote site, be especially descriptive in your location. Or describe how to get to a main entrance and have someone waiting to guide the response team.
- Know the location of emergency equipment: first aid kits, fire extinguishers, emergency showers, eye wash stations, spill control equipment, and so on. Some locations now have defibrillators, too.
- Know how to use the emergency equipment. This likely means practice or drill with the equipment.
- Learn CPR and first aid. These skills can make the difference between life or death, both at work and at home. If a victim is not breathing, performing CPR is vital to their survival. Remember too, that 9-1-1 operators are trained to coach someone who is not trained to perform CPR. And if one is reluctant to use mouth to mouth resuscitation with CPR, 2-handed CPR is almost as effective.
- Know where to find the MSDS (Material Data Safety Sheet) for any chemical used in the workplace. These sheets provide valuable information which you will need in case of an accidental chemical exposure or spill.
- Stay calm. It is important to remain calm and alert. Alert to the symptoms of the victim and surrounding conditions and calm so as not to create an additional situation that could cause you or others to become victims, too.

In any medical emergency, it is vital to pay attention to what are called sudden symptoms of the victim before making a call for emergency services. The victim’s condition and symptoms should be relayed to the 9-1-1 operator so that the response team can be fully prepared for the proper action upon their arrival at the victim’s location.

One or more of these sudden symptoms are common to several very serious medical emergency conditions, namely heart attack, stroke and insulin shock. The list of common symptoms...
includes numbness or weakness of the face, arm or leg, difficulty in breathing, confusion or unusual behavior, slurred speech or trouble understanding, blurred or loss of vision, loss of balance or coordination, trouble walking or paralysis, severe headache with no known cause, pain or tenderness in the back or lower leg, upper abdominal pressure or pain, extreme fatigue, dizziness or fainting, nausea or vomiting, heartburn or indigestion, upper back pain or pressure, excessive sweating or clamminess, irritability, anxiety or aggression, rapid pulse or heart rate, shaking or muscle tremors, or seizure. Again, coworkers who are assisting a victim should not try to predetermine the condition or response, that is for the professionals. Be sure to communicate as much information as possible to a 9-1-1 operator and the response team.

Once a medical emergency plan is created it should be regularly reviewed by staff to ensure that information and call numbers are up to date, and to make revisions if conditions or information changes. Current and accurate information is a must. This includes the location of the nearest hospital and emergency clinic. An emergency plan should also be periodically reviewed and discussed with all staff so that everyone knows how to react in a variety of situations. Practice drills should also be conducted so that all are given a chance to put into play what the plan is designed to do.

We’ve all been told that we should have a plan, and a medical emergency is an extremely important reason to have a thorough, well-thought out and rehearsed emergency plan. Review, practice, discussion, and knowing how to implement the plan can save precious time and save lives if a medical emergency does occur. This goes for the work place, in the field, and at home.

1Wake Forest Baptist Health, Lexington Medical Center (Lexington.wakehealth.edu).
Flexible surveying & geo-mapping

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
6201 Jefferson St NE, Albuquerque, NM 87109
**For Sale**

**For sale:** Houston based company providing professional land surveys and consulting from Galveston to Red River County and from Beaumont to Austin but mainly in Harris, Liberty and Montgomery Counties for over 30 years, with projects in both private and public sectors. A large percentage of these projects result in repeat business. Services include elevation certifications, ALTA land title surveys, Category 1A boundary surveys, topographic surveys, subdivision platting, utility and road route surveys, and construction staking.

FF&E includes drafting table, reference table with plat drawers, one AutoCAD workstation with current subscription in effect, OCE’ wide format (36”) printer in good condition, laptop computer which drives OCE’ printer, all CAD files with drawings and metes and bounds descriptions from 1988 to present, a 1 terabyte back-up drive, ESRI ArcGIS software showing the location of all projects, and all project files.

Average of previous three years of revenue: over $299,000.00
Average of previous three years of cash flow: over $136,300.00
Asking Price: $250,000
Contact Don at (281) 225-8876 or email cbh@entouch.net

**Surveying business for sale in the heart of the Big Bend.**

Surveying business for sale in Alpine, the County Seat of Brewster, the largest county in Texas and home to Big Bend National Park. I have been in business for over thirty years, with record compilations starting about forty years ago. However, it is time to retire.

We have performed many private surveys and as a Licensed State Land Surveyor many surveys for the State of Texas in Brewster, Presidio, Pecos, Culberson, Jeff Davis and Reeves Counties, with extensive GLO and county research files for each one. We have performed many large ranch surveys in the area as well as countless smaller tracts in and around the towns of Alpine, Marfa, Ft. Davis, Presidio, Marathon, Terlingua, Lajitas, Valentine, etc. All well documented in accompanying files with research, calculations and meticulous field book notes and drawings. I have also acquired the files and field books of some of the important early surveyors in the area, with their field and office information that can be found nowhere else. I truly believe that these records would be easy to use and very valuable from day one in preparing to perform surveys in the area large and small.

Almost all field work outside of town has always been referenced to the State Plane Coordinate System, dating back to the 1970’s. All original and subsequent monuments that have been located, many of which have since been destroyed, are tied to this system. With State Plane Coordinates, these monuments could be revisited quite easily.

My equipment, however, is dated. Both field equipment, computers and software, while still quite functional and in use on a daily basis, are true museum pieces and need to be brought up to date.

I would also be more than willing to help with the transition. I know this country well and could help with the learning curve that any surveyor new to an area would do well to seek out.

Contact Steve Walker, RPLS #4425, LSLS, Brewster County Surveyor, at 432-837-7272 or sfwalker4425@att.net. If you get my answering machine, leave a message and I will get back to you.

---

**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 __________
Cardholder __________________________________________________
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 sent via:

Fax: 512-327-7872
Email: djkyle@tsps.org
www.tsps.org/SurPAC
**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 TECHNICIAN – RICHARDSON, TX**
**SURVEY CONSULTANTS, INC.**

Survey Consultants, Inc. is currently seeking a Survey Technician for our Richardson, Texas office with proficiency in AutoCAD Civil 3D for the preparation of construction staking calculations, boundary, topographic and ALTA surveys, easement descriptions, and plat preparation. Excellent pay and benefits. Send resumes to employment@surveyconsultantsinc.com

**RPLS – HOUSTON, TX**
**UNIVERSALPEGASUS INTERNATIONAL**

UniversalPegasus has an immediate opening for two Professional Licensed Surveyors (Texas) to work in Houston, Texas. Must be licensed in Texas and have oil & gas pipeline survey experience. Contact me for more information about these career opportunities: renee.grimes@hii-upi.com or 713.354.6269

**SURVEY TECHNICIAN – RICHARDSON, TX**
**SURVEY CONSULTANTS, INC.**

Survey Consultants, Inc. is currently seeking a Survey Technician for our Richardson, Texas office with proficiency in AutoCAD Civil 3D for the preparation of construction staking calculations, boundary, topographic and ALTA surveys, easement descriptions, and plat preparation. Excellent pay and benefits. Send resumes to employment@surveyconsultantsinc.com

**RPLS – KILLEEN, TX**
**QUINTERO ENGINEERING, LLC**

Quintero Engineering, LLC is seeking to immediately hire a full-time State of Texas Licensed Registered Professional Land Surveyor (RPLS) with a minimum of 2 years surveying and management experience. Responsibilities include directing, managing and supervising office duties and field crews and performing quality assurance and control. Responsibilities also include client interactions, meetings and preparing proposals. Must have strong knowledge in property easement descriptions, title surveys, boundary surveys, topographic surveys, platting, flood certificates, ALTA surveys and construction surveying. Preferred candidate will be proficient in Carlson and/or AutoCAD Civil 3D. Quintero offers an exceptional benefit package with compensation based on experience. Please submit resume to pquintero@quinteroeng.com.

**RPLS – AUSTIN, TX**
**CARLSON, BRIGANCE & DOERING, INC.**

Austin based Civil Engineering and Survey firm has position available for a State of Texas licensed RPLS with a minimum of three years survey experience. Candidate will perform activities including property/easement/abandonment descriptions, topographic surveys, title surveys (as-built, Category IA Condition II, ALTA/NSPS), platting, flood certificates, home production services and will assist with construction layout. The ideal candidate will have proficient skills in AutoCad, Civil 3D and Trimble Business Center. Responsibilities will also include having good client interaction and returning calls on a timely basis. We offer medical, dental, vision, LTD and life insurance, 401(k) with company matching contribution, and more. Send resume to: seponder@cbdeng.com

**Follow TSPS for job listing alerts!**

- [facebook.com/TSPS.org](http://facebook.com/TSPS.org)
- [twitter.com/texassurveyor](http://twitter.com/texassurveyor)
RPLS – HOUSTON & MIDLAND, TX
AFS SURVEYING
AFS Surveying is a professional land surveying firm – we conduct surveys for a wide range of projects including oil field well location and pipeline surveys, engineering surveys such as ALTA and topographic, and construction staking for wind, solar, and power facilities projects. The surveyor we are looking for needs to be ready to take on land development projects, ranging from preliminary design surveys, boundary, as-builts and ALTA’s.

The primary focus of this position is to successfully survey land development and energy projects. Candidates must be a Registered Professional Land Surveyor (RPLS) in the State of Texas, with a minimum of five (5) years of surveying experience. Individuals should be proficient in the latest versions AutoCAD and other word processing software, have the ability to work independently, and to manage multiple projects with limited supervision.

Duties and responsibilities include, but are not limited to, the following:

- Prepare boundary and topographical surveys
- Prepare parcel maps, survey mapping, deed sketches, control and construction staking, metes and bounds descriptions and other general survey support for engineering design projects
- Prepare well plats
- Assist in the coordination and management of survey field crews and the processing of pertinent field data, including uploading / downloading / manipulation of raw files.
- Set and monitor budgets
- Manage surveying staff time against a budget
- Utilize AutoCAD Civil 3D
- Communicate with clients during the development process
- Continue education through project experience, seminars, etc.

Requirements:

- RPLS License in the State of Texas
- Proficient in latest versions of AutoCAD, Excel and word processing software.
- Knowledge and application of surveying theories and principles, concepts, and fundamentals
- Ability to work independently, and to manage multiple projects with limited supervision.
- Effective decision making skills.
- Excellent communication skills with demonstrated ability to communicate surveying information clearly and concisely.
- Effective oral and written communication skills (includes technical writing)
- Ability to think analytically and solve complex problems
- Ideal candidates will be self-motivated, and possess a strong desire to satisfy clients.

AFS offers a competitive salary and benefits, including health and dental insurance, 401k matching, and bonus eligibility. Applicants must be self-motivated, pass background and drug screening, and have a clean driving record.

Please send resume to jdelamora@auduboncompanies.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.

SIT – HOUSTON & MIDLAND, TX
AFS SURVEYING
AFS Surveying is a professional land surveying firm – we conduct surveys for a wide range of projects including oil field well location and pipeline surveys, engineering surveys such as ALTA and topographic, and construction staking for wind, solar, and power facilities projects.

Candidates must be a Registered Survey Technician (SIT) in the State of Texas, with a minimum of five (5) years of surveying experience. Individuals should be proficient in the latest versions AutoCAD and other word processing software, have the ability to work independently, and to manage multiple projects with limited supervision.

Duties and responsibilities include, but are not limited to, the following:

- Prepare boundary, topographical surveys
- Prepare parcel maps, survey mapping, deed sketches, control and construction staking, metes and bounds descriptions and other general survey support for engineering design projects
- Prepare well plats
- Set and monitor budgets
- Manage surveying staff time against a budget
- Utilize AutoCAD Civil 3D
- Communicate with clients during the development process
- Continue education through project experience, seminars, etc.

Requirements:

- SIT License in the State of Texas
- Proficient in latest versions of AutoCAD, Excel and word processing software.
- Knowledge and application of surveying theories and principles, concepts, and fundamentals
- Ability to work independently, and to manage multiple projects with limited supervision.
- Effective decision making skills.
- Excellent communication skills with demonstrated ability to communicate surveying information clearly and concisely.
- Effective oral and written communication skills (includes technical writing)
- Ability to think analytically and solve complex problems
- Ideal candidates will be self-motivated, and possess a strong desire to satisfy clients.

AFS offers a competitive salary and benefits, including health and dental insurance, 401k matching, and bonus eligibility. Applicants must be self-motivated, pass background and drug screening, and have a clean driving record.

Please send resume to jdelamora@auduboncompanies.com.

SENIOR SURVEY CAD TECH – TEMPLE, TX
ALL COUNTY SURVEYING, INC. (ACS)
All County Surveying, Inc ( ACS ), with offices in Temple and Georgetown, is seeking an experienced SENIOR SURVEY CAD TECH, or RPLS or S.I.T. Top pay for top producer. Please email letter of interest and/or resume to jobs@allcountysurveying.com.
STAFF SURVEYOR – DALLAS, TX
SURVEYING AND MAPPING, LLC (SAM)

Responsibilities
As a Staff Surveyor located in our Dallas, Texas office, you will be responsible for supervising a team of technicians and field crews to complete large-scale survey projects on schedule. Will coordinate with other Project Surveyors and teams to execute project scope and schedule as established by the Project Manager.

• Perform property boundary resolutions; property deed plots
• Prepare and/or review easement documents
• Review CAD drawings prepared by Survey Technicians

Requirements
• A.S or B.S. in Land Surveying preferred (not required)
• Five plus years experience as a licensed surveyor preferred
• Proficient user of AutoCAD Civil 3D or MicroStation

Apply:

FIELD CREW CHIEF – TEMPLE, TX
ALL COUNTY SURVEYING, INC. (ACS)

All County Surveying seeks quality experienced FIELD CREW CHIEF, capable of managing 1-man to 3-man survey crew, performing all types of surveys using Trimble GPS and Trimble Robotic Total Stations. Must be capable of personally operating the equipment, as well as supervising/ training crew members to operate the equipment. Firm offers health insurance, paid time off, paid holidays, tuition reimbursement, retirement plan with company contribution, paid life insurance. Lots of work. Firm offers very competitive salary for top performers. Must be able to pass background check and drug test and have good driving record. Come join a solid team in business for 30 years!

Respond to: jobs@allcountysurveying.com

PROFESSIONAL LAND SURVEYOR – MIDLAND, TX
SURVEYING AND MAPPING, LLC (SAM)

William H. Smith & Associates, Inc. is a Wyoming based surveying and engineering firm that has an opening for a Professional Land Surveyor in Midland, TX.

The market has evolved in the 50 years since our founding, and so has William H. Smith & Associates, Inc. We provide our clients a comprehensive offering of land surveying and engineering services including traditional survey mapping, Geographic Information Systems (GIS), and Unmanned Aerial System (UAS) survey data acquisition. As a Professional Land Surveyor, you will be responsible for managing a growing department of experienced staff, possessing a full complement of skills. The variety of projects you will encounter include survey plats, ALTA land title surveys, Oil and Gas Surveys, boundary surveys, topographic surveys, construction surveys, legal descriptions and other surveying related projects. Additional duties include training and supervising less experienced staff, client relations, and project management. This is a full-time, benefited position. Salary range $70,000-100,000/year DOE.

What you have to offer to the WHS Team:
• At least 5 – 10 years of relevant experience
• Associates/Bachelor’s Degree in Professional Land Surveying
• Professional Land Surveyor licensed in Texas and capable of being licensed in other states within 6 months
• Working knowledge of AutoCAD Civil 3D, Trimble Business Center, Trimble Survey Equipment, MS Office
• Office management experience
• Strong communication and collaboration skills
• Experience in preparation of land survey documents

What the WHS team has to offer to you:
As a WHS Employee, you’ll receive our traditional benefits package:
• Health, Vision, and Dental plan
• A matching 401(k) plan
• 6 company paid holidays
• Participation in our profit sharing program
• Direct deposit every two weeks

Does this sound like the career you have been looking for?

WHS is an equal employment opportunity company with a drug free work place. We hire only the best and the brightest: if you consider yourself one of the best Professional Licensed Surveyors, please send your resume and a cover letter Human Resources at jhamblin@whsmithpc.com. We welcome questions regarding the position and a complete job description is available by contacting Julie Hamblin at 307-875-3638.

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

Happy job hunting!
INTRODUCING

GET SURVEY AND MAPPING EQUIPMENT
New, Used & Rentals

For more information call AGS:
Phone: (979) 553-4677
Toll Free: (877) 755-4680

NOW OPEN!
PERMIAN BASIN STORE
1905 East 7th Street - Odessa, TX 79761

www.AGSGPS.com  (979) 553-4677   (877) 755-4680
Houston Area Location: 23111 FM 1462 - Damon, TX 77430
Permian Basin Store: 1905 East 7th Street - Odessa, TX 79761
List your card here!  
Send a digital copy of your business card to Kristen@tsp.org, or call 512-327-7871 for pricing.
List your card here!  
Send a digital copy of your business card to Kristen@tsps.org, or call 512-327-7871 for pricing.
**COMING EVENTS**

View more details and register for coming events at [www.tsps.org/calendar](http://www.tsps.org/calendar).

### SEPTEMBER

**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

### FEBRUARY 2018

**Feb 16-17**  
**TSPS 2018 Symposium**  
Embassy Suites San Marcos Hotel & Convention Center  
1001 E. McCarty Lane | San Marcos, TX 78666

**NOTICE:**

TBPLS Board meetings are now streamed live. Visit: [tsp.org/tbplsmeeing](http://tsp.org/tbplsmeeing) 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.
This group of early men - members of a hardy band;  
who toiled in a time, when Indians - roamed the land.  
As a modern surveyor - we must repeat;  
the location of his corners - we must meet.  

The surveys he made and points that were set;  
are the locations we seek and - now must be met.  
The tools of his day - are foreign to our trade;  
thus, a difference in his results - may be made.  

But, the law is clear - his locations must remain;  
if we reset a corner - it must be the same.  
Now, pay attention - to what was just said;  
set not a corner - only by measurements, you read.  

Your task is greater and your goal must be;  
to reset the corner - the same as he.  
And the results you find - to complete this task;  
most likely will differ - from those of the past.  

The pioneer surveyor created a beginning - and must remain;  
the locations he chose, always - are to be the same.  
So hats off to the surveyors - who ran the frontier line;  
our efforts don’t compare - to the perils of his time.  

Inspired by A.G. Farmer’s poem - “Surveyors of Yesteryear”,  
Report of Fifth Texas Surveyors’ Short Course (Austin, 1952).
MIDLAND – Oil and gas, surveying and construction. At Martin Instrument, we know that there are more important things than just offering supplies. What you really need is technical expertise to answer Trimble Access questions and provide workflow solutions in Trimble Business Center. Our new West Texas account manager, Alonso Juarez, is here to help. Alonso has 18+ years of experience, backed by a service dept with a 5-day turnaround and a tech support team that answers the phone. No matter the solution - GPS, Robotics, Scanning and Drones - we are here to help. Se habla espanol.

Give Alonso a Call - 432-924-8893 or email alonsoj@martininstrument.com