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The Florida Surveyor is an official publication of the Florida Surveying and Mapping Society, Inc. (FSMS) and is published for the purpose of communicating with the membership. The newsletter is financed primarily by the dues of the membership although advertisements are welcome from service and product industries relating to the needs and activities of the profession. Articles and advertising appearing in this publication are not necessarily the official policy of this Society unless specifically stated. FSMS assumes no responsibility for statements expressed in this publication. The Florida Surveyor welcomes contributions from members. Mail correspondence to Administrative Office. Copy all quoted material as it appears in the original. Give credit to the source from which you are quoting. Emailed ads are acceptable. Please send Adobe files, eps, pdf or tif files.

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The Florida Surveyor 1 October 2017

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President's Message



I would like to thank everyone who has donated their time and money helping those in need after this last month's disasters in Texas, Florida, the Caribbean Islands and Puerto Rico. It was truly horrifying watching these acts of mother nature take its toll on human lives and innocent animals in a way that at times seemed unimaginable and hard to understand. My prayers and thoughts are with you all that have suffered damage to your homes, businesses and livelihoods. I especially pray for those who have lost their homes entirely, and those who have lost loved ones in the wake of Harvey,

Irma and Maria. May God give us all peace, hope and understanding in these trying times, and bring us all closer together to make this a better world going forward. Times like these do make us understand that we are all one family, one race (the human race) and our time as guests on this big blue ball is short, and we must make every day the best that we can.

Please continue to donate to our surveyor's disaster relief fund at FSMS, the NSPS Disaster Relief Foundation, or American Red Cross. Again, I thank those that had the ability to give, and I send out a special thank you to David Glaze and the Panhandle Chapter for their most gracious donation to the FSMS Disaster Relief Fund. It is truly times like these that bring out the best in all of us, and let's all keep up the good work as these recent disasters will take some time to fully recover from, and we must always be prepared for helping others in the future.

I also would like to note that I do share in the individual pride that we all have in the Surveying & Mapping profession - and in the types of personalities it takes to work in this time-honored profession. But please know that asking for help in any way that may ease the burden on you or your family following natural disasters will never diminish that pride. On the contrary, receiving help from your fellow surveyors, family, and friends not only strengthens your pride and your family's resolve, but also the pride of so many others that were able to make a difference. Please continue to spread the word that we are here to help, and let's all be proud together!

Fall is now upon us, and as we move into the final months of this year, we continue to work on making FSMS more beneficial to all Surveyors & Mappers and Geospatial professionals in Florida.

Our legislative committee is working with the rules committee of the BPSM to finalize recommendations to help get the necessary revisions made to our "Standards Of Practice" (SOP). The education committee is also working to finalize seminar topics and CEU offerings for the coming year, and proposed seminars will need to be ready to be brought before the BPSM Board for approval in November. Please let us know of any seminar topics you would like to have presented as part of your continuing education needs, and we will do our best to make it happen.

I'd like to thank all the chapters that have allowed me to visit thus far this year, and I appreciate your heartfelt hospitality and respect. Thank you for allowing me the pleasure and privilege to install your Chapter Officers. I am humbled and honored to serve you and FSMS this year. For all of the Chapters around the state, please let me know if and when you would like for me to visit, and I'll do my best to join you.

"Riches don't make a man rich, they only make him busier" - Christopher Columbus

Bob Strayer, Jr. (941) 497-1290 bob@strayersurveying.com



As I am writing this article, I am on day five of no power from Hurricane Irma! This article will be short, as I am sure many of you are busy fielding questions or complaints and probably have your own issues to deal with. I live in Lake County, and a number of folks were hit really hard. I was fortunate - I only lost power and some of my privacy fence. In any case, I want to use this article to tell you how a government surveyor experienced Hurricane Irma.

Prior to the hurricane, there was a request for benchmark elevations and the datum of lake gauges and other monitoring stations. Orlando has many drain wells that are control structures for many of the city's lakes and other bodies of water. They are used to quickly draw down lake levels or to deal with localized flooding. Their draining effect helped to minimize a great deal of flooding that would have likely occurred during Irma. These drains were my priority for the first three days of the week before Irma. The last two days were spent helping provide sandbags for citizens, as there was an overwhelming demand for sandbags because of the potential impact of Irma. Residents were scared, and for many, the only thing they could do was place sandbags in front of their door. Some residents waited more than six hours just to get 10 sandbags. We were all in the same boat, as we had no idea what to expect from this monster of a storm.

Being a junior chief meteorologist/speculator myself, I told folks that I didn't think we had to worry. I said that it looked like it is doing the same thing Hurricane Matthew did last year. Huh, was I wrong. We had been very lucky, as we have had so many nearmisses after the walloping we took in 2004. I helped pack sand until we ran out of sandbags, and then I helped residents fill up garbage bags and grocery bags with sand. I eventually had to stop helping people at

"I eventually had to stop helping people at 6:30pm on Friday evening, as I realized that they would have kept coming. I realized this even more on Saturday and Sunday, as Lake County's sandbagging station was busy right up to the storm."

6:30pm on Friday evening, as I realized that they would have kept coming. I realized this even more so on Saturday and Sunday, as Lake County's sand-bagging station was busy right up to the storm. Nothing like waiting till the last second - but I understood that it was my job to be there.

After the storm passed, I was informed that City Hall was closed on Monday and Tuesday and that we were to return on Wednesday. I offered to come in, but my boss said that I didn't have to. The only pressing issue in the hours immediately after the storm was the datum of a lake gauge, because a pumping station was possibly malfunctioning. A homeowner threatened to sue us if the station was not turned on.

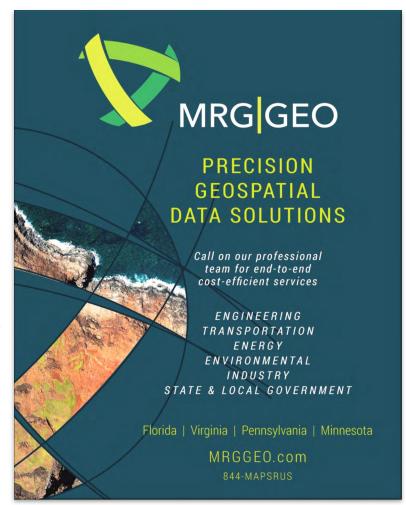
The question was whether or not the gauge board was in 29 datum or 88 datum. I didn't have power, but I had my work laptop to look it up. I

found out the gauge board was in 29 datum and the station was operating properly, as the mean high elevation had not been reached because the station was set to an NAVD 88 elevation. All else was quiet until I returned to work on Wednesday, as topographic surveys were needed for areas of localized flooding.

I was amazed at how few complaints there were for localized flooding, as there have only been three new survey requests thus far. However, there are a number of people that are still lacking power, so perhaps they have not submitted their complaints yet. So I will have to wait and see what happens over the next week. The flooding-related issues include: a sinkhole, two pipe collapses, and five other water damage problems, all requiring topographic surveys. In addition, I had to spend a number of hours searching for ownership and jurisdiction of these issues and more.

I hope all of you fared well during the storm and did not have any major damage. I know you are all working diligently to help your communities. Good luck to us all in the next few days and weeks!

You can reach Richard at Richard. Allen@cityoforlando.net or 407.246.2788.



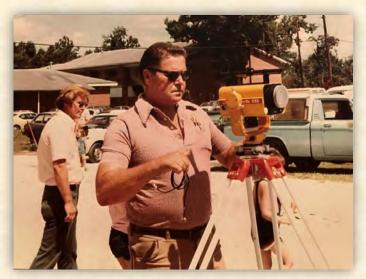


Residents of Orlando filling sandbags before Hurricane Irma hit.

IN MEMORIAM

Lauren "Bud" Britt

November 27, 1929 - June 26, 2017



Lauren (Bud) Britt, 87, started surveying in Council Grove, Kansas, and continued during his tour in the Marine Corps, when he mapped part of the Island of Vieques in Puerto Rico. When he left active duty, he moved to Sarasota, Florida. Bud worked at Smally, Welford & Scott under Chuck O'Quinn, then eventually opened Britt Surveying in Venice, Florida. Bud surveyed many of the virgin land and undeveloped areas of the western regions of Florida.

Due to law changes in the late 1950's in Sarasota County, much of the area stopped developing, and even though he had a second office in Punta Gorda, work became scarce. He began traveling to places he could find employment and in 1960 was working in Ft. Myers as a sub for Johnson Engineering. Bud stayed self-employed for many years and surveyed Port Charlotte and retraced original government corners for Burnt Store. He also surveyed parts of undeveloped swampland including Six Mile Cypress, the Everglades, Clewiston, Labelle, and Lake Okeechobee. He also helped lay out the land of Carol City in Miami.

After a 9-year stint working for the City of North Miami, Bud moved in 1976 and continued Britt Surveying in Lake City, Florida. Bud worked and surveyed all across North Florida until 2011 when he retired. His eight children and a few grandchildren have, and still do, work in the profession of surveying. Bud has three sons as registered Surveyors and Mappers. Randall Britt of Britt Surveying in Venice, Scott Britt of MSB Surveying in Sarasota, and Scott (Buddy) Britt of Britt Surveying and Mapping in Lake City, Florida. Bud's legacy has covered Florida from North to South, and East to West. He taught his family that hard work is essential to success. He worked with many early pioneers of surveying and loved his job.



"Irma spun into a monster storm with sustained winds topping 180 mph, becoming the strongest Atlantic hurricane ever recorded outside the Gulf of Mexico and Caribbean." - National Hurricane Center



Tom Brownell's car was spared the worst by his neighbor's tree in Key Largo.



A destroyed trailer in the lower Keys.



Storm surge pushed sand all the way to up to A1A in Fort Lauderdale.





Before and after: Steve Hyde's backyard pond in Vero Beach, Florida (yes, that's the drain in the second picture).





A gas station with its roof torn off near Key West and Hawks Cay Resort.



Ronnie Figueroa rescued this pig on his farm after the storm.



Scott McLaughlin en route to the Keys with members of the Fort Lauderdale Rotary Club.



A vintage Douglas DC-3 cargo plane that Rotary of Fort Lauderdale used to transport relief supplies to the Keys. This same plane took part in the Berlin Airlift of 1948-1949.



A truck full of relief supplies. Rotary of Fort Lauderdale transported nearly 60,000 pounds of cargo to the Keys.



A semi-truck used for transporting supplies.



A staging area for distribution of supplies in the Keys.

Special thanks to Scott McLaughlin for his disaster relief efforts with the Rotary Club of Fort Lauderdale and for the pictures from the Keys and Fort Lauderdale.



This article originally appeared on Amerisurv.com on September 28, 2017.

After three incredibly successful days in Berlin, INTER-GEO 2017 has drawn to a close. The trade fair and conference have been carried on the crest of the unstoppable wave that is digitalization. Displaying a truly impressive spirit of innovation, INTERGEO confirmed its position as the world's most important communications and networking forum for geo-IT.

"We are going to ride this wave. Stopping it is not an option." That was the declaration made by Prof. Hansjörg Kutterer, President of INTERGEO's host the DVW, when he spoke about the mammoth challenge that digitalisation poses for the entire geo-IT sector. He went on to emphasise that digitalisation has seen geodesists and geo-IT experts from a whole range of specialist backgrounds take on a very special role. Kutterer pointed out that geodata has long since moved from the fringes to the very heart of digital processes across all applications. A whole spread of new technologies, processes and approaches have emerged alongside "Geodesy 4.0", which represents a forward-looking IT sector in the digitalisation age. He believes that "we are shaping digitalisation and bringing together different worlds in doing so." In fact, that is becoming more important than ever, as digitalisation is no end in its own right. Solutions need to be found for social questions relating to mobility, energy, the environment, security and health and these issues cannot be tackled without digitalisation.

The momentum that is driving digitalisation forward is constantly growing and INTERGEO reflects the current market dynamic, thus sending out a clear signal in this environment. After three days of showcasing products and solutions, disseminating information and promoting lively interaction at the conference and in forums, the event has drawn to a close

with top marks. Some 580 exhibitors from 37 countries and more than 1,400 conference delegates can attest to the outstanding success, which has seen INTERGEO reaffirm its position as the leading international trade fair for geodesy, geoinformation and land management. Berlin also provided the bonus it promised as a major capital city - for the first time, the trade fair and conference attracted more than 18,000 visitors from over 100 countries.

Innovation Brought to Life at the Trade Fair and Conference

The product and solutions portfolios of the exhibitors at IN-TERGEO covered the entire process chain from data capture and analysis through to the presentation and visualisation of results. The range on offer from manufacturers and service providers this year stretched further than ever. Just about everything was covered, from products and solutions relating to GNSS surveying, 3D modelling, GIS and Europe's COPERNI-CUS Earth observation program to the practical presentation of information based on virtual and augmented reality technologies. Ron Bisio, Vice President Geospatial at Trimble, neatly summed up the feelings of many other exhibitors: "That was possibly the most vibrant INTERGEO we have ever exhibited at. It went like a dream for us. We met partners and customers from all other the world." Dr. Jürgen Dold, President of Hexagon Geosystems, was similarly positive: "From my point of view, the event was extremely successful, and not just because we were able to exhibit a whole host of innovations to our customers and friends, but because of all the inspirational discussions we had about digitalisation with other companies and public sector bodies."

Digitalisation was also a recurrent theme at the conference and in the trade fair forums, too. Focal points of the wide-ranging programme of presentations and numerous interactive discussion formats included the digital city, Building Information Modelling (BIM), Geospatial 4.0 and Open Gov-

ernment.

All Change - Occupations, BIM and Smart Cities

The three days at INTERGEO highlighted the breakneck pace of the digital transformation. Occupations themselves are changing, as the geodesists of yesterday become the geodata managers of tomorrow. There is an ever-increasing demand for "all-rounders" who can bring geodetic expertise, IT know-how and management skills to the table. This varied skill set will be essential for Building Information Modelling (BIM), the digital process applied to the planning, construction and operation of buildings and infrastructure. This particular hot topic played an even bigger role in INTERGEO, particularly because geodata lies at the very heart of this still relatively new method, which is designed to boost efficiency in the construction sector.

The digitalisation of entire cities and the creation of digital twins for urban areas are two other areas where geoinformation takes centre stage. In his keynote speech on "Digital Networking - the Basis for the City of the Future", Prof. Manfred Hauswirth, Director of Fraunhofer FOKUS, claimed that geodata is some of the most important data worldwide. At SMART CITY SOLUTIONS, INTERGEO showcased an extended range of solutions for the intelligent city of tomorrow. Representing her young company LocLab Consulting at the "Innovations Made in Germany" joint stand was BIM expert Dr. Ilka May. She spoke about the next stage in innovation, which was in evidence at this year's INTERGEO. "Besides increasingly high-tech data capture solutions, we are witnessing the emergence of interactive solutions that take planning and building to the next level."

INTERAERIAL SOLUTIONS - Europe's Biggest Civil Drone Show

A total of 158 exhibitors, 84 presentations in two forums and more than 30 take-offs and landings in Europe's largest flight zone made interaerial SOLUTIONS at INTERGEO the meeting point for the international UAV sector. The enormous range on show underscored the event's importance as Europe's leading commercial and civil drone show. Presented for the first time this year, the DRONE PIONEER AWARD, which recognises sustainable solutions using drones, went to the ECOSwat project. This project documents climate change to provide conclusive evidence. A special prize sponsored by the Joschka Fischer Company was also presented to the ELEPHANT SURVIVAL ORGANISATION. Winner of the

startup sessions was Project Airteam from Berlin, which offers drone services for a range of applications, including infrastructure inspection.

Digitalisation

As DVW President Professor Kutterer pointed out, it is still not possible to say how far digitalisation will take us. However, he stressed the importance of finding the right direction to ensure everyone is prepared for when the Internet of Things (IoT) and artificial intelligence methodologies bring added dimensions of digitalisation to the fore. "The overwhelmingly positive response from visitors to the trade fair and conference shows that we picked the right issues to focus on. We are evidently headed in the right direction," said Kutterer.

INTERGEO 2018 will explore that same direction in even greater depth and breadth. Digitalisation and the innovations it brings in terms of BIM, virtual and augmented reality, UAVs and smart cities will be at the top of the agenda from 16 to 18 October in Frankfurt.

About INTERGEO

INTERGEO, which consists of a conference and a trade fair, is the world's largest event for geodesy, geoinformation and land management. It is held every year at different venues in Germany. The conference focuses on current issues arising in politics, administration, science and industry. INTERGEO's continuing aim is to facilitate process optimisation in numerous target markets with the geo-IT potential it showcases. Its forthcoming venues are the internationally renowned exhibition cities of Frankfurt in 2018, Stuttgart in 2019 an Berlin in 2020.

INTERGEO is hosted by DVW - the German Society for Geodesy, Geoinformation and Land Management.



IN MEMORIAM

LeRoy Daniel Haines, Jr.

January 5, 1925 - September 11, 2017



LeRoy Daniel Haines, Jr., 92, passed away on September 11, 2017 with his son, David, by his side, after a brief battle with cancer. Dan, as he was known by friends, family and business associates, is survived by his son David (wife Elizabeth Anstine), granddaughter Allison Knutson (husband Travis), and great grandchildren Kaelin, age 6, and Kolton, age 4. He was predeceased by his loving wife. Dorothy Croasdell Haines.

Dan was born in Jacksonville on January 5, 1925 and grew up in the Panama Park and Panama Terrace areas of Jacksonville with his mom and dad, LeRoy Daniel, Sr. and Etta Louise Argo. He attended Kirby Smith Junior High School and Andrew Jackson High School, where he met his future wife, Dorothy Mae Croasdell. He was a civil engineering student for one semester at the University of Florida prior to being drafted into the Army on February 25, 1943.

Dan served with the U S Army 450th Regiment, 102nd Infrantry Divison fighting in France and Germany during World War II. Danny, as he was called by his army buddies, fought against the 9th Panzer Divison that spearheaded the Battle of the Bulge and was eventually was promoted to Staff Sergeant and squad leader. Dan distinguished himself in battle by being awarded the Silver Star for gallantry. He later received an Oak Leaf Cluster for his Silver Star for bravery and gallantry on a second occasion. Dan was wounded in action by mortar fire and received a Purple Heart.

After an extended stay in an Army hospital in London for his injuries he returned to the United States and married his high school sweetheart Dorothy (Dot) on July 22, 1945 here in Jackson-ville. Dan, following additional treatment at Lawson General Hospital in Atlanta, Georgia was honorably discharged from the Army on September 18, 1945.

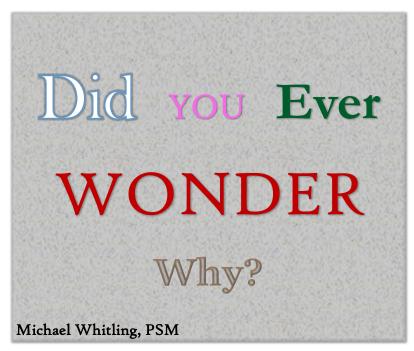
Dan worked for about 2 years at his father-in-law's (Roy Croasdell) firm, R. L. Croasdell Company, as a land surveyor. His son, David, was born in 1947. He returned to Gainesville with wife and son to complete his education at the University of Florida and received his Bachelor of Science Degree in Civil Engineering with

High Honors in 1952.

Dan and family returned to Jacksonville and soon resided in the Arlington area. Dan became registered as a Professional Land Surveyor and Professional Engineer in 1951 and 1953 and soon became a partner in R.L. Croasdell Company. Dan was highly regarded by his professional peers and clients and played a key part in the development of Arlington, Mandarin, Southside, as well as other areas of Northeast Florida and development at Naval Station Mayport, N.A.S. Jacksonville, N.A.S. Cecil Field, N.A.S. Key West and the Panama Canal Zone for the U. S. Navy and U. S. Army.

Dan was an avid saltwater and freshwater fisherman, boater, Gator fan, of course, foremost an avid golfer with many friends in Jacksonville, Keystone Heights and Atlantic Beach. He and his wife entertained at their homes frequently in their earlier years.





Why do we describe something beautiful as "gorgeous?"

The earliest known usage of gorgeous in English dates from the 15th century. It comes from the root word "gorge" which originally meant "throat" and eventually a narrow channel of land. Various things around the throat got similar names. A gorget is a piece of throat armor, worn by various militaries until the 1940's. A "gorgias" was a neckerchief. As these neckerchiefs got more fancy and colorful, "gorgias" began to mean anything "elegant", "dressy", or "showy", and eventually spawned the word "gorgeous" to mean beautiful or captivating.

Why do we say something visually attractive is "handsome?"

Handsome first appeared in the 1400's. The original sense of "handsome" was of something easy to handle, ready at hand, which led to the word being used in some situations to mean suitable or proper. By the 1500's "handsome" came also to mean fair-size, considerable, in that it took all of one's hand to use or wield it. It wasn't until the very end of the 16th century that the modern definition of having fine form or quality, as in good-looking, took effect. "Handsome", meaning generous (a handsome reward) was not recorded until a full century later. The use of the word "handsome" to signify attractiveness in a man in recent times shot up because of the phrase "tall, dark, and handsome". While the phrase is considered to belong to the 1930's and the era of Cary Grant movies, the first recorded use of the phrase was in 1815 in Scenes on the Shore of Atlantic, by M.F. Dickson.

Why do we call the area above the ceiling the "attic?"

The word "attic" comes from Attica, a region around Athens in ancient Greece. The Attic dialect came to be regarded as the literary standard of ancient Greece. A prominent architectural feature from this area was a small, square decorative column of the type often used in a low story above a building's main façade. By the 1800's "attic" would be used to describe the "top story under the roof of a house."



Why is a tropical cyclone of winds greater than 74 miles an hour called a "hurricane?"

"Hurricane" came into English in the middle of the 16th century, from the Spanish huracán which itself came from word hurakán, a word for storm used by the Taino people of the Greater Antilles and the Bahamas. Note: The word "tornado" is an altered form of the Spanish word tornada, which means "thunderstorm". This in turn was taken from the Latin tonare, meaning "to thunder".

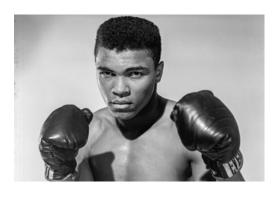


Quick Facts:

- ⇒In an average lifetime, people spend approximately 2,100 days (almost 6 years) dreaming. Developmental psychologists say that toddlers never dream about themselves. Children are not believed to appear in their own dreams until a developmental stage that occurs when they are three or four years old and realize they are separate from other people.
- ⇒Down is the layer of soft feathers closest to a bird's skin, primarily on the breast. These feathers keep ducks and geese warm during chilly flights.



- ⇒Cacophobia is the fear of ugliness. Sufferers actually have intense panic attacks around unattractive people or things.
- ⇒Wonder Woman's creator, William Moulton Marston, invented the polygraph.
- ⇒Muhammed Ali once appeared in a DC Comics edition. He knocked out Superman to save him from aliens.



- ⇒During World War II, the U.S. military designed a grenade to be the size and weight of a baseball, since "any young American man should be able to properly throw it."
- ⇒Dendrophobia is the fear of trees. People with this phobia usually have strange stories about why they are terrified of a particular type of tree.



- ⇒In the mid-1800s, you could be put out between the bases by having the ball thrown directly at you. Players were resistant when the rule was changed "patching," as it was known, was an important and masculine part of the game.
- ⇒Air Canada was the first North American airline to ban smoking.



- ⇒Roman statues were often made with heads that could be removed and replaced with other heads .
- ⇒Since its inception, two billion cans of Play-Doh have been sold. If you took all of that Play-Doh ever made and wadded it into a giant ball, it would weigh as much as 2,000 Statues of Liberty.



- ⇒Today, there are more than 2,700 different languages spoken in the world, with more than 7,000 dialects. In Indonesia alone, 365 different languages are spoken. More than 1,000 different languages are spoken in Africa
- ⇒It took Leonardo da Vinci about five years to paint the Mona Lisa. X-rays of the famous painting show that there are three different versions underneath.
- ⇒Bananas were never really heard of until 1880. However, by 1910, they were so popular that cities had a problem disposing of used banana peels. Back then, there was no urban sanitation and people were literally slipping on banana peels and hurting themselves. In 1910, the City of St. Louis had an ordinance specifically prohibiting people from throwing banana peels on the ground. And for much of the early 1900's, one of the suggested Boy Scout manual good deeds of the day was to pick up banana peels from the street.



Send your thoughts to drmjw@aol.com



Each month, we'll be including a picture, document, letter, or other form of publication from the FSMS archives.



First up: The cover of the first-ever issue of *The Florida Surveyor*, published this month 25 years ago. Page 27 of that issue is on the next page, which has announcements about relief from Hurricane Andrew - as we currently deal with the aftermath from Irma.

PEOPLE IN THE NEWS

Mr. David Dearie, PLS of Don Ramsay and Associates spent 10 days on active duty with the Navy Reserves helping with relief efforts in South Dade immediately after Hurricane Andrew.

Steinman Surveying, Inc. (formerly Arthur W. Steinman & Associates, Inc.) is pleased to announce that Ms. Rebecca D. Slaughter is now the new President of the Corporation. Arthur W. Steinman, PLS and Michael D. Ruskin, PLS are Vice Presidents in the organization. Their address is as follows:

Post Office Box 1596 Deland, Florida 32721-1596 (904) 734-8050

BIRTHDAYS

There were no Board member birthdays to report for this month!

SPECIAL THANK YOU

A special thank you to the Manasota Chapter, Collier-Lee Chapter, Tampa Bay Society Chapter, N.W. Florida Chapter, Charlotte Harbor Chapter, Dade County Chapter, N. Central Florida Chapter, and Broward Chapter for their donations to the FSPLS Scholarship Fund.

Also special thanks to the following FSPLS Ladies Auxiliary for their donation to the FSPLS Scholarship Fund.

Because of the generous support of these Chapters and the Auxiliary we were able to give 17 scholarships to students attending the University of Florida this semester.

FOR SALE

Ozalid 780D Land Surveying and Engineering Blue Print Machine \$12,000 New. Less than 100 Hrs. running time -\$3,500.00. For information please contact:

Kevin Smith Land Surveying 1400 Palm Bay Road, N.E. Palm Bay, FL 32905 (407) 724-2940

FINANCIAL AID FROM HURRICANE ANDREW RELIEF FUND

Requests for financial aid from the Hurricane Relief fund must be received by November 20, 1992. Emergencies will be considered on a caseby-case basis. Requests should be sent to Sam Fischbein, 1490 W 49 Place, Suite 570, Hialeah, FL 33012 305/822-6062

HURRICANE ANDREW RELIEF REPORT

Because I have been unable to respond to everyone who offered to help our friends in Dade County, I submit this update:

- Approximately \$12,000.00 was raised through members, chapters, and suppliers. Most of this is now in the hands of the Dade County chapter which distributes the funds through a special committee.
- A number of our members, in nearby counties, have gone to Dade to deliver supplies and help with the cleanup.
- I have not heard of any surveying equipment needs at this point. Communication is still very difficult and these requests may be forthcoming.

To all of you who donated or offered assistance, FSPLS thanks your on behalf of our Dade Members. Several Dade County folks were in attendance at the conference and their spirits were high (they did seem somewhat peeved with having to sleep in a room with a roof and air conditioning).

Sincerely,

Nick Miller, President



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IN MEMORIAM

Albert R. Toussaint

April 5, 1928 - September 19, 2017



Albert (Al) R. Toussaint, 89, PLS #907, passed away peacefully from natural causes at his home in Miami Shores on Tuesday September 19, 2017. He was preceded in death by his beloved wife Nancy and is survived by his only child Jan, brother Bayard Toussaint, and sister Joan Kent. Al was born in Bithlo, Florida on April 5, 1928.

Al was a self-educated registered Professional Land Surveyor as well as a self-educated registered Professional Engineer. Al graduated from Tech High with the goal of being an airline mechanic. In 1947, he took what he thought to be an interim job until there was an airline opening. That job was a rodman with the Florida State Road Dept. (now FDOT). This interim job, however, became a lifetime career. After a time, he moved over to the private survey and engineering firm of Harry Schwebke & Associates, later to be known as Schwebke-Shiskin & Associates. While working with Schwebke-Shiskin, Al obtained his state registration in Surveying and Engineering. His next step was to establish his own Surveying and Engineering firm in North Miami, and in 1962 he founded

A.R. Toussaint & Associates. Al was on top of his vocation and was many times the primary source of data and information for many others. Al was always interested in the world around him. He was always up to date with the technical world and his approach to problems was not parochial but open minded. As one of his fellow surveyors said Al was a gentleman in the truest essence of the word: a gentle man. He was kind and many times humorous. He enjoyed his cattle ranch in the Arcadia area and was interested and engaged in his work as well as life itself

He continued working until his death because he loved it. Working was his way of life.

Al was one of the originators of the Florida Society of Professional Land Surveyors (now FSMS) in 1955. At the time of his passing, he was the lowest active-numbered PLS in Florida, after having been registered and active for 64 years.

Al's long list of completed projects include:

- -Hydrographic survey, Turning Basin Addition South Channel, Dodge Island
- -Hydrographic survey, M.S.R.C. channel, Dodge Island, Port of Miami, Florida
- -Topographic Survey, F.A.A. facilities site, St. Thomas, Virgin Islands
- -Environmental survey, Big Pine Key, Monroe County, Florida
- -Boundary & Topographic survey, VORTAC site on Virginia Key
- -Hydrographic Survey West Bay, Grand Cayman Island
- -Hydrographic Survey South Biscayne Bay, Miami Dade County, Florida
- -Canaveral Harbor Access Channel & W. Turning Basin P&S Survey
- -Canaveral Harbor W. Turning Basin, Overbank X-Sec
- -Army Regional Communications Activity, Boundary Survey, Perrine
- -Boundary Survey, Cape Canaveral Air Force Station

The FSMS Marketplace



Make Surveying Great Again Caps

\$18 (\$15 + shipping and tax)

⇒\$5 of each purchase is donated to the FSMS Disaster Relief Fund



Used Fixed Height Tripods (2m)

\$200 + \$15 tax

⇒Must pick up in Tallahassee

⇒100% of sale donated to FSMS Disaster Relief Fund



FSMS Coolers

\$18 (\$15 + shipping and tax)

⇒\$5 of each purchase is donated to the FSMS Disaster Relief Fund

To pre-order a hat, or purchase a cooler or tripod, email communications@fsms.org or call 850-942-1900.

Around the State



Allen Nobles and Earl Soeder manning the Geospatial Users Group (GUG) booth at the GIS Expo in West Palm Beach.



Robert Stevens came across this monster witness pine in Central Polk County—it was over 6 feet in diameter! (Thank you for the picture Robert!)



Chainsaws with 36" bars can be borrowed from FSMS if needed— please email Tom Steckler at director@fsms.org if you are interested. Another big thank you to the Panhandle Chapter for their donation to the FSMS Disaster Relief Fund!



Florida Surveying and Mapping Society Disaster Relief Application

Florida Surveying and Mapping Society 1689-A Mahan Center Boulevard Tallahassee, FL 32308 850-942-1900 www.fsms.org

Name:	Amount of Fu	nds requested: \$
Address:		
City:	State:	Zip:
Home Phone:	Work Phone:	
Email Address:		
Employer Name:		
Employer Address:		
i.e. gas for generator, spoiled food, hou		

Insurance Information \square N/A	
Do you have Home Owners or Renters Insura	ance?
□ Yes	
\square No	
□ Deductible: \$	
Do you have flood insurance?	
□ Yes	
□ No	
Building Coverage	Contents Coverage
□ Yes	□ Yes
□ No	□ No
☐ Deductible: \$	☐ Deductible: \$
If you have insurance, have you filed a claim	?
□ Yes	
□ No	
☐ Insurance company has not yet invest	igated claim
Please Attach:	
-Official documentation of insurance/statement -Receipt of purchase (for reimbursements)	
NOTICE: Documentation is required.	
Signature: The undersigned, by signature on the is true and complete and that the individual has	is document, verifies that the above information a valid need for funds.
Applicant signature:	Date:
Date:	Executive Director
Amount: \$	
	President

National Society of Professional Surveyors Foundation Disaster Relief Application

The NSPS Foundation is working with state surveying societies in assisting those in the surveying and mapping community rebuild from the destruction of the recent disasters. If you need assistance, please complete this form and forward to the NSPS Foundation. We will assist as many in our profession as possible.

NSPS Foundation Attn: Disaster Relief 5119 Pegasus Court, Suite Q Frederick, MD 21704

Phone: 240-439-4615, ext. 105 | Fax: 240-439-4952 | Email: trisha.milburn@nsps.us.com

Name:	Amount	t of funds requested:
Address:		
City:	State:	Zip:
Home Telephone:	Work Teleph	none:
Email Address:		
Employer Name:		
Employer Address:		
Statement of needs and planned us	e of proceeds: (Please attach a	additional pages if needed)

Date:	Approved by:	Amount:	
	by Foundation Processing Commit		
	cant's Chapter President or Directo		
Applicant's signatu	re:		Date:
_	lersigned, by signature on this docu he/she has a valid need for funds.	ument, verifies that the above info	rmation is true and
[] Yes [] No [] Insuran	ce company has not yet investigate	ed claim	
If you have Insur	ance have you filed a claim?		
[] Yes [] No [] Deduct	ible?		
<u>Contents C</u>	<u>overage</u>		
[] Yes [] No [] Deduct	:ible?		
Building Co	<u>overage</u>		
[] Yes [] No			
Do you have Floor	I Insurance?		
[] Yes [] No [] Deduct	:ible?		

Do you have Home Owners or Renters Insurance?

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Florida Surveying and Mapping Society

2017 eLearning Courses



Basics of Real Property Course #8360 (3 General CEC)

\$ 7000



Boundaries in Florida Course #8255 (6 SOP/L&R CEC)

\$ 12000



Contracts for the Professional Course #8412 (3 General CEC)

\$ 7000



Elevation Certificates and the Community Rating System Course #8256 (3 General CEC)

\$ 7000



Ethics for the Design Professional Course #8621 (6 General CEC)

\$ 12000



Florida Laws Course #7149 (6 SOP/L&R CEC)

\$ 12000



Professional Ethics and Professional Courtesy FULL Video Course #8363 (6 General CEC)

\$ 12000



Georgia Technical Standards for Property Surveys Course #8554 (6 General CEC)

\$ 12000



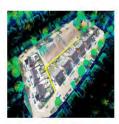
History of Surveying Course #7140 (6 General CEC)

\$ 12000



Identification of Native and Non-Native Trees in Florida Course #8132 (6 General CEC)

\$ 12000



Introduction to Photogrammetry Course #7968 (3 General CEC)

\$ 7000



Land Tenure and Cadastral Systems Course #8260 (6 General CEC)

\$ 12000



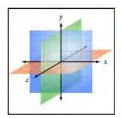
Map Projections and Plane Coordinate Systems Course #8261 (6 General CEC)

\$ 12000



Mean High Water Observations & Computations Course #8262 (6 General CEC)

\$ 12000



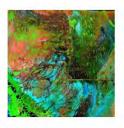
Practical Geometry for Surveyors Course #7141 (6 General CEC)

\$ 12000



Public Land Survey System Course #7147 (6 General CEC)

\$ 12000



Remote Sensing Applications to Surveying & Mapping Course #7148 (6 General CEC)

\$ 12000



Writing Boundary Descriptions Course #8362 (3 General CEC)

\$ 7000

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Correspondence Courses



Step 1: Choose Course(s)

□ 5J-17 Standards of Practice (SOP), #6962, 6 SOP/L&R CEC
□ A History of the Prime Meridian Marker, #8403, 3 General CEC
□ Basics of Real Property, #8359, 3 General CEC
□ Boundaries in Florida, #7667, 6 SOP/L&R CEC
□ Chapter 177, Platting (Plat Law), #6970, 6 SOP/L&R CEC
□ Client Satisfaction Excellence for Surveying and Mapping Professionals, #7229, 6 General CEC (Only available by mail)
□ Contracts for the Professional, #8411, 3 General CEC
□ Critical Communication for Surveying & Mapping Professionals, #7228, 6 General CEC (Only available by mail)
□ Digital Signatures for Surveyors, #8491, 3 General CEC
□ Elevation Certificates and the Community Rating System, #8257, 3 General CEC
□ Ethics for the Design Professional, #8620, 6 General CEC
□ Florida Laws, #6966, 6 SOP/L&R CEC
□ Georgia Technical Standards for Property Surveys, #8553, 6 General CEC
□ Geographic Information Systems (GIS), #7107, 6 General CEC
□ History of Surveying, #7108, 6 General CEC
□ Identification of Native and Non-Native Trees in Florida, #7874, 6 General CEC
□ Introduction to Photogrammetry, #7887, 3 General CEC
□ Land Tenure and Cadastral Systems, #7829, 6 General CEC
□ Map Projections and Plane Coordinate Systems, #7669, 6 General CEC
□ Mean High Water Observations and Computations, #8220, 6 General CEC
□ Practical Geometry for Surveyors, #7109, 6 General CEC
□ Public Land Survey System, #6979, 6 General CEC
□ Remote Sensing Applications to Surveying & Mapping, #6972, 6 General CEC
□ Stress Management for Surveyors & Mappers: How to be Productive Under Pressure, #6902, 6 General CEC (Only available by mail)
□ Time Management for Surveyors & Mappers: How to be Productive & Exercise Time Mastery in A Hectic World, #6901, 6 General CEC (Only available by mail)
□ Writing Boundary Descriptions, #8361, 3 General CEC



Correspondence Courses Order Form

Step 2: Choose Member Type

FSMS Member

EMAILED			Quantity		
6 CEC	\$115 Per Course	Х		=	\$
3 CEC	\$58 Per Course	Χ		=	\$
MAILED					
6 CEC	\$125 Per Course	Χ		=	\$
3 CEC	\$68 Per Course	Х		=	\$
	TOTAL				\$

Non-Member

EMAILED	Fee		Quantity			Amount
6 CEC	\$135 Per Course	Χ		=	\$	
3 CEC	\$78 Per Course	Х		=	\$_	
MAILED						
6 CEC	\$145 Per Course	Χ		=	\$	
3 CEC	\$88 Per Course	Χ		=	\$_	
	TOTAL				\$	

Non-Licensed in ANY State

EMAILED	Fee		Quantity		•	Amount
6 CEC	\$100 Per Course	Х		=	\$	
3 CEC	\$60 Per Course	Χ		=	\$_	
MAILED						
6 CEC	\$110 Per Course	Χ		=	\$	
3 CEC	\$70 Per Course	Х		=	\$_	
	TOTAL				\$	

Step 3: Payment Information

Name:	PSM#:	_ State:	FSMS Member: _	YES _	NO
Firm:			Sustaining Firm: _	YES _	NO
Address:					
City/State:			Zip Code:		
Email Address:		Work	Phone:		
Payment Information:	_ Check Enclosed (Payable to FSMS	5)	VISA/MasterCard/Am	nerican Ex	press
Card #:	Exp. Date:	Card	CVV Number (3 or 4	Digits)	
Billing Address for Credit Card:					
Signature:					

IF PAYING BY CHECK, MAIL FORM TO: FSMS, P.O. Box 850001-243, Orlando, FL 32885-0243
IF PAYING BY CREDIT CARD - EMAIL FORM TO education@fsms.org or FAX TO 850.877.4852
QUESTIONS? CALL 800.237.4384

Provider No. CE11 fsms.org

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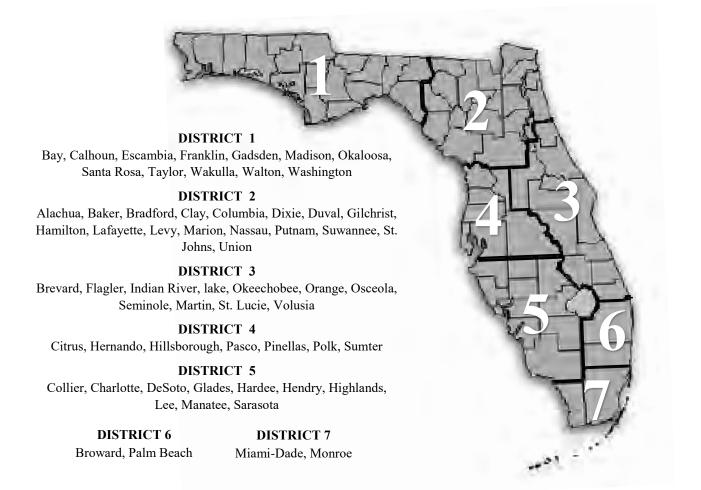
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Standing Committees

Legislative CommitteeJohn ClyattYoung Professionals CommitteeChris WildAwards CommitteeLou Campanile, Jr.UF Alumni Recruiting
CommitteeJeff Cooner

Liaisons

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Surveyors in Government	Richard Allen
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Cathy Campanile



Regional Coordinator seminolecc84@gmail.com

The Florida Surveyor is the official publication of the Florida Surveying and Mapping Society, Inc. (FSMS). It is published monthly for the purpose of communicating with the professional surveying community and related professions who are members of FSMS. Our award winning publication informs members eleven months of the year of national, state, and district events and accomplishments as well as articles relevant to the surveying profession. The latest educational offerings are also included.

2017-2018 Sustaining Firms

A M Engineering Inc	941-377-9178	Caulfield & Wheeler Inc	561-392-1991
A M Engineering, Inc.	407-894-6314	Caulfield & Wheeler, Inc. Causseaux Hewett & Walpole, Inc.	352-331-1976
Accuright Surveys Of Orlando, Inc . Aerial Cartographics Of America, Inc.	407-851-7880	Central Florida Surveys, Inc.	407-262-0957
= ;		Chastain-Skillman, Inc.	
All County Suprovers Inc.	239-332-4569	,	863-646-1402
All County Surveyors, Inc.	800-860-9119	Choctaw Engineering, Inc.	850-862-6611
Allen & Company, Inc.	407-654-5355	Civilsury Design Group, Inc.	863-646-4771
Allen Engineering, Inc.	321-783-7443	Clary & Associates, Inc.	904-260-2703
Alvarez, Aiguesvives & Associates, Inc.	305-220-2424	Coffin & Mclean Associates, Inc.	352-683-5993
AM Engineering, Inc.	941-377-7178	Collins Survey Consulting LLC	863-937-9052
American Consulting Engineers Of FL, LLC	813-435-2600	Compass Engineering & Surveying, Inc.	727-822-4151
American National Commercial Real Estate Service, LLC	239-963-2245	Compass Point Surveyors PL	954-332-8181
American Surveying, Inc .	813-234-0103	Control Point Associates FL, LLC	908-668-0099
Amerritt, Inc.	813-221-5200	Controlcam, LLC	904-758-2601
ARC Surveying & Mapping, Inc.	904-384-8377	Countywide Surveying, Inc.	850-769-0345
Associated Land Surveying & Mapping, Inc.		Cousins Surveyors & Associates, Inc.	954-689-7766
ATS Land Surveying, LLC	386-264-8490	CPH, Inc.	407-322-6841
Avirom & Associates, Inc.	561-392-2594	Craven-Thompson & Assoc, Inc.	954-739-6400
Bannerman Surveyors, Inc.	850-526-4460	Cross Surveying, LLC	941-748-8340
•		Culpepper & Terpening, Inc.	772-464-3537
Barraco And Associates, Inc.	239-461-3170	Dagostino & Wood, Inc.	239-352-6085
Bartram Trail Surveying, Inc.	904-284-2224	Deal Land Surveying LLC	407-878-3796
Baseline Engineering And Land Surveying, Inc.	561-417-0700	Degrove Surveyors, Inc.	604-722-0400
Bay Area Sinkhole Investigation & Civil		Dennis J. Leavy & Associates	561-753-0650
Engineering, LLC	813-885-4144	Deren Land Surveying LLC	352-331-0010
Bay Area Surveying And Mapping, Inc.	727-271-0146	Diversified Design & Drafting Services, Inc.	850-385-1133
BBLS Surveyors, Inc.	239-597-1315	DMK Associates, Inc.	941-475-6596
Bean Whitaker Lutz & Kareh, Inc.	239-481-1331	Donald F. Lee & Associates, Inc.	386-755-6166
Banks Engineering	239-939-5490	Donald W. Mcintosh Associates, Inc.	407-644-4068
Bello & Bello Land Surveying Corporation	305-251-9606	Donoghue Construction Layout LLC	321-248-7979
Benchmark Land Services, Inc.	239-591-0778	Douglass Leavy & Associates, Inc.	954-344-7994
Benchmark Surveying And Land Planning	850-994-4882	DRMP, Inc.	407-896-0594
Beta Company Surveying, Inc.	941-751-6016	DSW Surveying and Mapping, PLC	352-735-3796
Betsy Lindsay, Inc.	772-286-5753	E.R. Brownell & Associates, Inc.	305-860-3866
Biscayne Engineering Company, Inc.	305-324-7671	Echezabal & Associates, Inc.	813-933-2505
Boatwright Land Surveyors, Inc.	904-241-8550	Eda Engineers-Surveyors-Planners, Inc.	352-373-3541
Bock & Clark Corporation	330-665-4821	Edwin G. Brown & Associates, Inc.	850-926-3016
Bowman Consulting Group, LTD., Inc.	703-464-1000	E.F. Gaines Surveying Services, Inc.	239-418-0126
Bradshaw-Niles & Associates, Inc.	904-829-2591	Eiland & Associates, Inc.	904-272-1000
Brown & Phillips, Inc.	561-615-3988	Element Engineering Group, LLC	813-386-2101
BSE Consultants, Inc.	321-725-3674	Engenuity Group, Inc.	561-655-1151
Buchanan & Harper, Inc.	850-763-7427	Engineering Design & Construction, Inc.	772-462-2455
Buchheit Associates, Inc.	321-689-1057	England, Thims & Miller, Inc.	904-652-8990
Bussen-Mayer Engineering Group, Inc.	321-453-0010	ESP Associates PA	803-802-2440
Burkholder Land Surveying, Inc.	941-209-9712	Evans Land Surveying, Inc.	727-734-3821
C&M Roadbuilders	941-758-1933	Exacta Land Surveyors, Inc.	305-668-6169
Calvin, Giordano & Associates, Inc.	954-921-7781	F. R. Aleman & Associates, Inc.	305-591-8777
Cardno, Inc.	407-629-7144	Fabre Engineering, Inc.	850-433-6438
Carter Associates, Inc.	772-562-4191	Ferguson Land Surveyors, PLC	727-230-9606
•		-	
		First Choice Surveying, Inc.	407-951-8655

Flanary Surveying and Mapping, Inc.	941-915-8655	Long Surveying, Inc.	407-330-9717
Florida Engineering and Surveying, LLC.	941-485-3100	Ludovici & Orange Consulting Engineers, Inc.	305-448-1600
Foley/Koloarik, Inc.	941-722-4561	Manuel G. Vera & Associates, Inc.	305-221-6210
Fortin, Leavy, Skiles, Inc.	305-653-4493	Mapping Resource Group, Inc.	386-439-4848
Franklin Surveying & Mapping, Inc.	407-846-1216	Marco Surveying & Mapping, Inc.	239-389-0026
Ganung-Belton Associates, Inc.	407-894-6656	Mark Dowst & Associates, Inc.	386-258-7999
Gary G. Allen, Regis Land Surveying, Inc.	850-877-0541	Maser Consulting P.A.	813-207-1061
Geodata Consultants, Inc.	407-732-6965	Massey-Richards Surveying & Mapping LLC	305-853-0066
Geoline Surveying, Inc.	386-418-0500	Masteller, Moler & Taylor, Inc.	772-564-8050
Geomatics Corp.	904-824-3086	McKim & Creed, Inc.	919-233-8091
GeoPoint Surveying, Inc.	813-248-8888	Mehta & Associates, Inc.	407-657-6662
George F. Young, Inc.	727-822-4317	Metron Surveying And Mapping LLC	239-275-8575
GeoSurv LLC	877-407-3734	Millman Surveying, Inc.	330-342-0723
Germain Surveying, Inc.	863-385-6856	Mock Roos & Associates, Inc.	561-683-3113
GPServ, Inc.	407-601-5816	Moore Bass Consulting, Inc.	850-222-5678
Greenman-Pedersen, Inc.	352-547-3080	Morgan & Eklund, Inc.	772-388-5364
GRW Engineers, Inc.	859-223-3999	Morris-Depew Associates, Inc.	239-337-3993
Gustin, Cothern & Tucker, Inc.	850-678-5141	Murphy's Land Surveying, Inc.	727-347-8740
H. L. Bennett & Associates	863-675-8882	Northstar Geomatics, Inc.	772-781-6400
Hamilton Engineering & Surveying	813-250-3535	Northwest Engineering, Inc.	813-889-9236
Hanson Professional Services, Inc.	217-788-2450	O'Brien Suiter & O'Brien, Inc.	561-276-4501
Hanson, Walter & Associates, Inc.	407-847-9433	Oceanside Land Surveying LLC	386-763-4130
Hayhurst Land Surveying, Inc.	772-569-6680	Omni Communications LLC	813-852-1888
HLSM LLC	407-647-7346	On The Mark Surveying LLC	321-626-6376
Hole Montes, Inc.	239-254-2000	Peavey & Associates Surveying & Mapping, PA	863-738-4960
Honeycutt & Associates, Inc.	321-267-6233	Pec - Survey & Mapping LLC	407- 542-4967
HSA Consulting Group, Inc.	850-934-0828	Pennoni Associates, Inc.	215-222-3000
Hutchinson, Moore & Rauch	251-626-2626	Pickett & Associates, Inc.	863-533-9095
Hyatt Survey Services, Inc.	941-748-4693	Platinum Surveying & Mapping LLC	863-904-4699
I.F. Rooks & Associates, Inc.	813-752-2113	Point To Point Land Surveyors, Inc.	678-565-4440
Inframap Corp.	804-550-2937	Polaris Associates, Inc.	727-461-6113
John Ibarra & Associates, Inc.	305-262-0400	Porter Geographical Positioning & Surveying, Inc.	863-853-1496
John Mella & Associates, Inc.	813-232-9441	Precision Surveying & Mapping, Inc.	727-841-8414
Johnson, Mirmiran & Thompson, Inc.	813-314-0314	Pulice Land Surveyors, Inc.	954-572-1777
Johnston's Surveying, Inc.	407-847-2179	Q Grady Minor And Associates, PA	239-947-1144
Jones, Wood & Gentry, Inc.	407-898-7780	Robayna & Associates, Inc.	305-823-9316
Keith & Associates, Inc.	954-788-3400	Reece & White Land Surveying, Inc.	305-872-1348
Keith & Schnars, P.A.	954-776-1616	Rhodes & Rhodes Land Surveying, Inc.	239-405-8166
Kendrick Land Surveying	863-533-4874	Richard P. Clarson & Associates, Inc.	904-936-2623
King Engineering Associates, Inc.	813-880-8881	Riegl USA	407-248-9927
Kugelmann Land Surveying, Inc.	321-459-0930	Ritchie & Associates, Inc.	850-914-2774
Kuhar Surveying & Mappin LLC	386-295-8051	RJ Rhodes Engineering, Inc.	941-924-1600
		Robert A. Stevens & Associates	863-559-1216
Landmark Engineering & Surveying Corporation	813-621-7841	Robert M. Angas Associates, Inc.	904-642-8550
Leading Edge Land Services, Inc.	407-351-6730	Rogers Engineering LLC	352-622-9214
Leiter Perez & Associates, Inc.	305-652-5133	Rogers, Gunter, Vaughn Insurance, Inc.	850-396-1111
Leo Mills & Associates	941-722-2460	S&ME, Inc.	407975-1273
Littlejohn Engineering Associates, Inc.	407-975-1273	SCR & Associates NWFL, Inc.	850-265-6979
Lochrane Engineering, Inc.	407-896-3317	Sergio Redondo & Associates, Inc.	305-378-4443
		0	222 2.0 1110

954-943-9433
863-453-4113
386-761-5385
407-292-8580
248-844-5404
954-923-7666
772-288-7176
941-497-1290
305-596-1799
813-621-4929
407-839-3955

Thurman Roddenberry & Associates, Inc.	850-962-2538
Tuck Mapping Solutions, Inc.	276-523-4669
Upham, Inc.	386-672-9515
Wade Surveying, Inc.	352-753-6511
Wallace Surveying Corporation	561-640-4551
Wantman Group, Inc.	561-687-2220
WBQ Design & Engineering, Inc.	407-839-4300
Winningham & Fradley, Inc.	954-771-7440
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The Florida Surveyor 31 October 2017

Additional Information

Upcoming Events

November 2-3, 2017

Board of Directors Meeting Lakeland

November 6-8, 2017

FDACS BPSM

West Palm Beach

February 9-10, 2018

Board of Directors Meeting
Tallahassee

March 18-24, 2018

National Surveyor's Week

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