



# *The Florida Surveyor*

Volume XXV, Issue 10

November 2017

## Honoring Our FSMS Veterans

Page 11

### In This Issue

- Around the State
- From the Archives
- Family Pictures



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Washington, D.C.

*A publication of the Florida Surveying and Mapping Society since 1992*



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President's Message | 2

Executive Director's Message | 3

Family Photos | 8

From the Archives | 20

Around the State | 23

The FSMS Marketplace | 24

Public Land Survey System Seminar | 26

Education Courses Information | 27

Chapter Presidents | 30

Districts and Directors | 31

Committees and Admn. Staff | 32

Sustaining Firms | 33

Additional Information | 36

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Dianne Collins  
(863) 937-9052  
dcollins@collinsurvey.com



**Vice President**  
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(305) 860-3866  
tbrownell@erbrownell.com



**Secretary**  
Don Elder  
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djelder@southernco.com



**Treasurer**  
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(352) 392-6010  
bon@ufl.edu



**Immediate Past President**  
Lou Campanile, Jr.  
(954) 980-8888  
lou@campanile.net

## President's Message



What a difference a few weeks makes in the weather. Finally some cool air, and the fall and holiday season is upon us. I'm sure all of us are ready to put post-summer 2017 behind us with all the natural disasters we have seen and experienced, and the tragic massacre of innocent people in Las Vegas. As with any bad or evil occurrence in this world, goodness and the love of God prevails and our lives move forward.

November is the month for Veterans Day and Thanksgiving. We have a lot to be thankful for in this country and it has a lot to do with the courage and sacrifices of our Veterans. I did not serve in the military, but many of my family members did, including my son who is currently serving in the United States Marines. I stand up, salute, and honor all of you who have served and sacrificed your lives for ours in this great country. I'm especially proud to honor the FSMS Veterans for their service - we truly appreciate having so many of you in the surveying and mapping profession and for being the cornerstone of our society and what values we stand for.

Without our veterans we would not have the religious freedom and freedom of speech which we all, at times, take for granted. Without them, we would not be able to celebrate Thanksgiving and other holidays - just as the pilgrims celebrated the first Thanksgiving nearly 400 years ago, after coming to America to escape religious persecution and seek a better way of life. We have freedoms in this country which are unheard of in most others, and for that we must all stand and salute the flag which represents those values.

In my opinion, there is a time to stand and salute, and there is a time to kneel and be humble. But both of those solemn and devout gestures are not to be taken out of context or used for personal edification by any means. They are given out of respect and thankfulness to a country and a loving God for each and every day we can wake up and go about our business and love our family and friends. It is giving back for the many blessings that we "have" in this country, not an expression for the few "have-nots" that some want to exploit and complain about. During this month of Thanksgiving we must all remember the meaning of these two solemn gestures and continue to teach our children and youth the true meaning of gratitude, reverence and thankfulness.

Getting back to business, the BPSM Rules Committee workshop that took place October 2<sup>nd</sup> in Ocala was very well attended and very productive. The proposed revisions to SOP (Standards of Practice) were addressed and discussed, and a very good initial amendment will move forward for further review and implementation. I have heard nothing new on the Federal Geospatial Act of 2017, so it must still be in committee debate and discussions amongst the parties. Coming up, we have our FSMS Board Meeting in Lakeland on November 3<sup>rd</sup>, and the BPSM Board meeting in West Palm on November 7-8th.

I want to truly thank the officers and committee members of the society for being part of FSMS and giving their time and talents to better the surveying and mapping profession in Florida. Please continue to encourage and mentor others to serve, and let's all promote, protect, and evolve this grand profession in the years ahead.

"A basic law: the more you practice the art of thankfulness, the more you have to be thankful for." ~ Norman Vincent Peale

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



# Executive Director's Thanksgiving Message

It is November, and that means that it is the month that we take time to be Thankful for all we have. I can't speak for everyone, however, when I was younger I really did not understand gratitude. I saw the world as a big mess, people were suffering, families were in turmoil, lots of disappointment and conflict ... a lot like today.

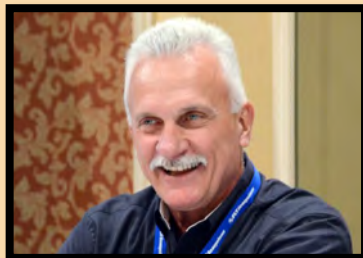
As I grew older, I realized that there was a tremendous number of things to be grateful for and it was my "choice" to do so. At that point in time I recognized how fortunate I was compared to others and began to be thankful for all I had.

So, as we approach Thanksgiving Day, I want to list a few things that I have on my gratitude list.

- 1) I am thankful to live in the USA and have the freedoms that we have.
- 2) I am thankful for my family and my five daughters, and especially my three grandkids, and all the complexities they bring to my life.
- 3) I am thankful for my wife, who has been with me for 16 years through all sorts of trials and tribulations.
- 4) I am thankful for the men and women that serve our country, whether it be in the military or law enforcement.
- 5) I am thankful for this job and being able to work with the Society to improve and strengthen the organization.
- 6) I am thankful for being healthy and see the sun rise each day.
- 7) I am thankful that I have food on the table and the fact that I don't have to worry about when I will be able to eat again.
- 8) I am thankful to have friends that I can count on for support.
- 9) I am thankful for having hobbies, especially hunting.
- 10) I am thankful that God has blessed me and challenged me with all these opportunities.

In closing, I would like wish everyone a Happy and Safe Thanksgiving!

Tom Steckler







# Surveyors In Government

Richard Allen, PSM, CFM

The statutory requirements defined in Florida Statutes Chapter 177, Part 1 govern a substantial amount of a municipal or county surveyor's duties, for those that are plat-approval agencies. A number of these governmental agencies have their own surveyors, but many do not. Smaller counties, cities and government agencies contract with surveyors and companies to provide this service for the governing body. On average, I spend roughly 30% of my time on plat review and providing feedback regarding platting. The rest is divided up between meetings, project management and field survey operations.

A comment I often hear from surveyors who do not regularly submit their work to the city is that "this is required by (an agency) I regularly work with" when they are asked to remove something from a plat as part of a survey or legal review. This ranges from setbacks being required on plats, to other information that has no purpose on a plat. A plat is a very important document, but often made to do more than what it was intended. It appears to be used by some agencies as a regulatory document instead of being a document for the conveyance of land, as was intended. Some may believe they have that power due to 177.011:

**177.011:** *"Purpose and scope of part I. - This part shall be deemed to establish consistent minimum requirements, and to create such additional powers in local governing bodies, as herein provided to regulate and control the platting of lands. This part establishes minimum requirements and does not exclude additional provisions or regulations by local ordinance, laws, or regulations."*

Although an agency can be more stringent, they

*"A plat is a very important document, but often made to do more than what it was intended for. It appears to be used by some agencies as a regulatory document instead of being a document for the conveyance of land, as was intended."*

should not be adding confusion to the process and should not be adding anything that will likely change in the future with further regulation. What is the process to track a change in fire code or zoning requirements when that language is added to a plat? There isn't one. We can track street name changes, replats and vacations as there are requirements set forth to reflect them onto the face of the plat, the living document.

I know a number of surveyors believe these documents are for surveyors, but I believe they must be easy to read and interpret, as they are for property owners more so than for us. Plats are legal documents that control our surveys but they are for the public, which they affect as well. They must be clear and concise so we can survey the property, but they also need to be easily readable so the property owner can understand them as well. Most home-



owners looking for their survey often find the plat, and believe it is the document being asked for when submitting permits to begin construction or put up a fence.

I am not a preeminent expert on platting, as I know there are many that are more experienced and more versed than myself, but I believe the purpose of a plat is much simpler than what many make it. The property being reconfigured is to be shown with the encumbrances as indicated in the title work, including those created on the drawing, so it is known to anyone that searches that particular property to understand what is on their property.

Many may believe that because the Clerk of the Court or Comptroller records their plats, that they must be sufficient - but that is not the case. From the Attorney General Opinion AG 91-60 from August 8, 1991, the question was posed: "May the Clerk of the Court refuse to record a subdivision plat that does not meet all the requirements imposed by Ch. 177, F.S.?"

**Robert A. Butterworth, Attorney General Response (Per AGO 91-60):**

*The clerk of court has no duty or authority to review subdivision plats for sufficiency pursuant to Ch. 177, F.S. Therefore, the clerk may not refuse to record a subdivision plat which does not satisfy the requirements of Ch. 177, F.S.*

*According to your letter, you have recently received a number of subdivision plats to record which have not included such things as the surveyor's certificate, notary seals and signatures which are required by various provisions of Ch. 177, F.S. However, pursuant to s. 177.071(1), F.S., these subdivision plats have been approved by the appropriate governing body prior to being offered for recording. You are unsure of your duty to record such subdivision plats under these circumstances.*

*Part I, Ch. 177, F.S., establishes consistent minimum requirements[1] to regulate and control the platting of lands.[2] Every plat of a subdivision which is offered for recording must be produced in conformity with specific statutory requirements set forth in s. 177.091, F.S. (1990 Supp.). This statute prescribes such things as the type of ink to be used in preparing the plat,[3] the size of the sheet on which the plat is drawn,[4] the scale to be used,[5] the placement of permanent reference monuments[6] and the location, width and names of all*

*streets, waterways or other rights-of-way.[7]*

*Additional requirements for subdivision plats are imposed by Ch. 177, F.S. Section 177.061, F.S., provides that a land surveyor must certify on the plat that it has been prepared under his or her direction and supervision and that all the survey data complies with the requirements of Ch. 177, F.S. Section 177.081, F.S., requires that subdivision plats must contain a dedication executed by the developer or developers having a record interest in the lands subdivided.[8]*

*Pursuant to s. 177.071(1), F.S.:*

*"Before a plat is offered for recording, it shall be approved by the appropriate governing body, and evidence of such approval shall be placed on such plat. If not approved, the governing body shall return the plat to the land surveyor. However, such examination and approval for conformity to this chapter by the appropriate governing body shall not include the verification of the survey data, except by a land surveyor either employed by or under contract to the local governing body for the purpose of such examination. . . ." (e.s.).*

*Thus, it appears that the local governing body, either the county or municipality, is charged with the duty to examine the subdivision plat and determine its conformity or lack thereof with the provisions of Ch. 177, F.S.[9]*

*The clerk of the circuit court is required by statute to record "all instruments that he may be required or authorized by law to record in the county where he is clerk." [10] The statute states that:*

*"The clerk of the circuit court shall record the following kinds of instruments presented to him for recording, upon payment of the service charges prescribed by law:*

*(a) Deeds, leases, bills of sale, agreements, mortgages, notices or claims of lien, notices of levy, tax warrants, tax executions, and other instruments relating to the ownership, transfer, or encumbrance of or claims against real or personal property or any interest in it . . . .*

*\* \* \**

*(g) Any other instruments required or authorized by law to be recorded." [11]*



*The statute set forth above provides that the clerk shall record the specified documents upon payment of the service charge. The term "shall" in a statute has a mandatory connotation.[12] In performing this duty, the clerk of circuit court acts in a purely ministerial capacity and has no discretion to determine the sufficiency of the documents presented for filing.[13]*

*In light of the statutory responsibility of local governing bodies to examine and approve subdivision plats for conformity with Ch. 177, F.S., and the purely ministerial responsibilities of the clerk of court in recording such plats, it is my opinion that a clerk has no authority to check for sufficiency or refuse to record a subdivision plat presented for recording.*

*Sincerely,*

*Robert A. Butterworth  
Attorney General*

As we all know you can convey or record anything, correct or not. With subdivision plats submitted to the City of Orlando, it has been made clear what is being subdivided or aggregated, and they only show what is being affected, according to Chapter 177 requirements. The minimal additional requirements imposed by city code is the requirement for a metes and bounds description and for 24" concrete monuments to be set for all corners unless a nail and disk is all that can be set. Additionally, a statement is required on every plat that states the following:

**"DEVELOPMENT ON THIS PROPERTY DEPICTED ON THIS PLAT IS SUBJECT TO THE REQUIREMENTS OF CHAPTER 59, THE CONCURRENCY MANAGEMENT ORDINANCE OF THE CITY OF ORLANDO, WHICH GOVERNS THE CITY'S ABILITY TO ISSUE BUILDING PERMITS ON THIS PROPERTY. APPROVAL OF THIS PLAT SHALL NOT BE DEEMED TO PROVIDE ANY VESTED RIGHTS, EXCEPT AS TO THOSE MATTERS DEPICTED HEREON, THAT ARE CONSISTENT WITH THE REQUIREMENTS OF CHAPTER 177, FLORIDA STATUTES, OR WERE REQUIRED BY THE CITY OF ORLANDO AS A CONDITION OF PLATTING."**

We all need to be involved in the upcoming changes to 177 and make sure we stay current with any changes that are made to the statutes. Matthew Kalus,

Assistant Project Manager with Orange County Public Works, informed me of recent changes to 177 that altered the requirement of title opinions and substituted a new "Property Information Report" for the formerly required Title Certificate per 177.041.

He was contacted by a company in Georgia about the changes that, as he puts it, "were made in the dead of night". Matt relayed his concerns to me regarding the lack of a definition of what constitutes a property information report, in addition to the report no longer being 'certified' as true and correct by a professional in the industry. I agree, as it now states the following:

**177.041** *Boundary survey and title opinion or property information report required.—Every plat or replat of a subdivision submitted to the approving agency of the local governing body must be accompanied by:*

*(1) A boundary survey of the platted lands. However, a new boundary survey for a replat is required only when the replat affects any boundary of the previously platted property or when improvements which may affect the boundary of the previously platted property have been made on the lands to be replatted. The boundary survey must be performed and prepared under the responsible direction and supervision of a professional surveyor and mapper preceding the initial submittal of the plat to the local governing body. This subsection does not restrict a legal entity from employing one professional surveyor and mapper to perform and prepare the boundary survey and another professional surveyor and mapper to prepare the plat.*

*(2) A title opinion of an attorney at law licensed in Florida or a property information report showing that record title to the land as described and shown on the plat is in the name of the person, persons, corporation, or entity executing the dedication. The title opinion or property information report must also show all mortgages not satisfied or released of record nor otherwise terminated by law.*

*History.—s. 1, ch. 71-339; s. 1, ch. 72-77; s. 1, ch. 88-48; s. 3, ch. 98-20; s. 1, ch. 99-288; s. 1, ch. 2017-132.*

Who can prepare the property information report? FS 627.7843 states in part:

*"...A property information report may be issued by any person..."*



If it was an attorney it would state a title opinion, or property information report, of an attorney licensed in Florida. Now, the public may be at risk by a less than complete or poorly searched and prepared “property information report”, possibly prepared by anyone regardless of qualifications.

Would you want to purchase a home that may potentially have undisclosed title issues due to a less than complete records search? A question for thought.

This revelation is of importance to all government

surveyors, so they can be aware and know what changes have occurred. Hopefully this notice will keep us in the know regarding recent changes to 177 and to be diligent and make sure we keep current with any other changes to come.

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



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# Family Photos



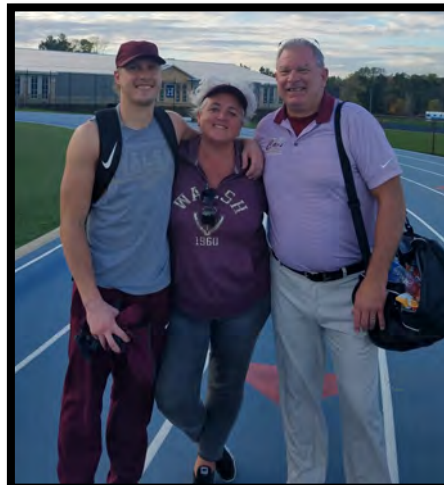
The Pheasant Hunt in South Dakota was another success this year.  
**From top left:** Matt Brotherton, Bob Strayer, John Clyatt, Chad Thurner, Lou Campanile, and Nick Campanile.



Bob Strayer may be able to steer FSMS in the right direction, but a 9-point buck in South Dakota has his doubts. So does the rental company.



Paul deVivero's daughter, Alison, hiked all 2,189 miles of the Appalachian Trail from April-September. Here she is at the Mason-Dixon line in July.



Danny and Julie Williams with son Blake at Walsh University in Canton, Ohio, where Blake plays football.



Chris McLaughlin and his son, Wyatt, at the UF-Vanderbilt game in Gainesville on September 30th.



Allen Nobles and Russell and Pam Hyatt rented motorcycles and biked through Southwest Colorado in June.  
**Left:** Russell and Pam; **Right:** Russell and Allen.





# Why Do Surveyors Undervalue and Undersell Their Services?

**By Greg Jeffries** - January 26, 2017

For years I have been witness to surveyors undervaluing and underselling their services and I don't understand why. (To be fair, the simple answer is; "Market Conditions" but it goes way beyond simple answers.). I have been in this business sector for 30+ years now and it seems like survey pricing has remained about the same since the 1980's, without even an adjustment for inflation. The profession, for the most part, seems content to sell their services for barely more than what it costs to perform, not counting or calculating what the value of their knowledge and expertise is worth. Further, it seems that many do not take into account what the service is worth to the end user.

With all the technologies available today, collecting a measurement should be a snap and yet, very often it is anything but. Results on-the-fly right? Well, as long as everyone showed up for work, the truck didn't break down, you can access the site, have Right of Entry, good GPS signals and fully charged batteries right?. Even our wisest clients (who know better) will fall prey to the bottom line on occasion. It's always about the money with no thought to the hereafter until ugly manifests. In their minds, a surveyor (real or purported) is a surveyor sanctioned by the State, and, in metropolitan areas there is one on every corner from every part of the country (palpable sarcasm).

Staff is the make or break element in in our profession. The practice's culture should be motivational in nature so that we can instill skills and caring. In surveying, everything we do is field derived in a team atmosphere and therefore a practicum required. People who do not enjoy being outside should not apply. The theory and practice of surveying is paramount in daily duties and should be preached at every occasion. Pride of practice should be encouraged. Being able to push the right buttons does not equate to a correct measurement. Our business practice demands the correct answer. We face a quandary every day, we can provide our clients with service with three choices, cheap / fast / good, but they can only select tow of the three choices. If they want it cheap and fast, it won't be good, cheap and good, it won't be fast and of course fast and good won't be cheap.

A number of years ago, while working at a previous firm, we were introduced to the GPS world for surveying. The promises of this new technology were immense; tighter, more accurate control, quicker deployment, and easier, more rapid data collection were just a few of the key benefits even before the advent of private CORS and VRS. The acquisition cost for this equipment, at the time, was significant...crazy money even, but the ROI looked fantastic, we could continue to sell survey services at our established conventional rates while benefiting from the efficiencies and expedience of GPS data





acquisition. We were an early adopter and I was certain that the efficiencies gained would contribute to the rapid pay off of the acquisition costs. Wishful thinking...

Almost immediately, our survey department managers began quoting projects based on the newly expected efficiencies gained from the deployment of the GPS systems instead of maintaining, what was theoretically, the higher cost conventional pricing formula. Survey prices dropped overnight! What had not dropped were all the other costs associated with doing business; labor, benefits, vehicles, fuel, maintenance, rent, utilities and insurance. Okay, computer technology costs dropped a bit, but those costs were easily offset by the purchase of new and more complicated software to keep up with the new GPS capabilities, so let's call that a wash.

Next came VRS and a private CORS Station on top of our office building. Welcome to RTK and further efficiencies. These newly implemented systems would virtually eliminate the need to localize, now our survey crew could hop out of the truck, fire up the GPS and start working. What do you think happened to survey prices? You guessed it, they went down again! Our survey group was bound and determined to exploit these new efficiencies by further reducing the time billed for performing the work and, instead of realizing the gains in additional revenue, margins and bottom line performance, they factored these reduced costs directly into their proposals and the prices went down again. Frank and terse discussions ensued, the survey department was again reminded that the costs of doing business were not going down and, in fact they were going up even more so with the costs of operating and maintaining a CORS station and subscriptions to VRS systems and updated GPS receivers and cellular modems and new, improved software.

So, while volume of work increased, we could now

complete more survey work in less time, income from these services remained flat. Operational costs increased; more technicians to process the field work, more licensed surveyors to review and certify the end product, more training to keep up with the latest development in hardware and software. We had to invest in new, more robust computers capable of running ever more complex software so that we could continue to take advantage of the capabilities all this new technology provided. All of the training and advances created a much more knowledgeable and valuable surveyor and those costs increased, but the fees did not increase commensurate with the costs, instead margins narrowed further. To think our firm was the only one experiencing these issues would be crazy, every firm was complicit in the stagnation of prices. Many firms were downright responsible for lowering fees to the point where no one could make a profit. Everyone had bills to pay, had to keep the doors open, lights on and staff employed on top of paying for all the new technology so undercutting was the name of the game. Keep the work coming in, we're robbing Peter to pay Paul, but hey, at least everyone is employed right?

Along the way, surveyors seem to have forgotten that what they do is valuable, extremely valuable. Land cannot be sold, buildings cannot be built and highways cannot be constructed without a survey. It is the very foundation of everything we do in this industry, why is it not revered as such? The path to licensure gets a little tougher each year. Education requirements increase, gone are the days when practical knowledge would let you sit for the exam, today a four-year degree is required. More areas of specialization have developed, Aerial surveying, UAV/UAS, LiDAR, photogrammetry and GIS are prevalent and all require special skill sets and knowledge. These are all worth something. The skill and expertise it takes to perform a proper survey, verify its accuracy and transform it into a deliverable that meets the needs of the client are all worth something... something more than they are being sold for. We need to recognize that and stop calculating the value of a survey project on what it costs, we need to price our services for what they are worth.





# Florida Surveying and Mapping Society Veterans

## Tom Anderson

**Rank:** Specialist 4th Class

**Branch:** Army

**Unit:** 2nd Armored Division

**Method:** Field Artillery Surveyor

**Years of Service:** 3 Years

## Raymond T. Brigham

**Rank:** Specialist 5 (E5)

**Branch:** Army

**Unit:** 815th Engineers (construction)

**Years of Service:** 1966-1969

**Deployed to:** Vietnam (February 1967 to February 1968)

**Conflicts/Campaigns:** Vietnam War

## Andrew Baranowski

**Rank:** QM2 (SS)

**Branch:** US Navy

**Unit:** USS Bonefish (SS-582)

**Years of Service:** 4

**Deployed to:** Atlantic Fleet, Caribbean Sea

**Conflicts/campaigns:** Grenada





## **Austin Jeffrey Cooner\***

**Rank:** 1st Lt.

**Branch:** United States Air Force

**Career Field:** Space

**Years of Service:** 7 years

*\*Son of Jeff Cooner*



## **Gregory S. Fleming**

**Rank:** Sergeant

**Branch:** US Army

**Unit:** 4th Infantry Division, Survey Platoon

**Method:** Artillery Surveyor

**Years of Service:** 3.5 years

**Deployed to:** Wertheim, Germany

## **Stephen H. Gibbs**

**Rank:** Sergeant

**Branch:** U.S. Army

**Method:** Military Policeman, Provost Marshal Investigator

**Years of Service:** 1968-1970

**Deployed to:** Pusan and Taegu, South Korea

## **Shawn Harp**

**Rank:** E-4 (Corporal)

**Branch:** USMC

**Unit:** 3rd Intelligence Battalion, 1st Intelligence Battalion

**Years of Service:** 1996-2000

**Deployed to:** Okinawa, Japan and Camp Pendleton, California





## **William E. Hayhurst**

**Rank:** E-4

**Branch:** Navy

**Unit:** U.S.S. Fiske DD842

**Stationed in:** Bayonne, New Jersey

**Years of Service:** 6 (1975-1981)

## **Erik Hickman**

**Rank:** Sergeant

**Branch:** Air Force

**Unit:** 548 RTG

**Method of Service:** Imagery Interpretation Specialist

**Years of Service:** 1987 - 1991

**Stationed in:** Hawaii

## **Doug Hinton**

**Rank:** Sergeant (E-5)

**Branch:** USMC (R)

**Unit:** 8th Tank BN, 2nd MARDIV, II MEF

**Years of Service:** 1988-1996

**Deployed to:** Saudi Arabia, Kuwait

**Conflicts/Campaigns:** Operation Desert Storm

## **John Krause**

**Rank:** Sergeant

**Branch:** United States Marine Corps

**Unit:** 1st Bat. 9th Marines, 3rd Marine Division; 2nd Topographic Platoon. 8th Engineers, 2nd FSSG.

**Years of Service:** 1974-78, 1980-83

**Deployed to:** Conus, Japan, Central America, Haiti

## **Mike Lucas**

**Rank:** Sergeant (E-5)

**Branch:** United States Marine Corps

**Units:** Aircraft close-air support: VMA(aw)-202, VMA(aw)2-42, VMFA-333

**Years of Service:** Jan. 1967 - Jan. 1971

**Deployed to:** Da Nang Vietnam (May 1969 -May 1970); Subic Bay, Philippines (July 1969)

**Conflicts/Campaigns:** Vietnam War







# Where Have 1





# They Served?





## **Brianna Lord\***

**Rank:** PV2

**Branch:** Army

**Unit:** 229th Military Intelligence Battalion, 35P

**Method:** Cryptologic Linguist

**Years of Service:** 1 (active)

**Stationed at:** Defense Language Institute (Modern Standard Arabic)

*\*Daughter of Tom Steckler*

## **John Mella**

**Rank:** Sergeant

**Branch:** Army

**Unit:** 3<sup>rd</sup> Engineer Combat Battalion, 24<sup>th</sup> Division

**Years of Service:** 3

**Deployed to:** Korea

**Conflict/Campaigns:** Korean War

## **Mark R. Minter**

**Rank:** Sergeant E-5

**Branch:** Army

**Unit:** 11th Armored Cavalry Regiment (The Legendary Blackhorse)

**Method:** Armored Reconnaissance Specialist

**Years of Service:** 1968-1971

**Deployed to:** Vietnam 1969-1970; Cambodia 1970

**Campaigns/Operations:** Vietnam War; Cambodia Incursion 1970; Counteroffensive Phase VII 1970-1971

## **Billy Earl Owens**

**Rank:** AC 3

**Branch:** U.S. Navy

**Unit:** Sanford Naval Air Station/Airport Operations Dept.

**Method of Service:** Air Traffic Controller

**Years of Service:** Active Duty (4 years, 4 months); USN Reserve (1 year, 8 months)

**Stationed in:** San Diego, CA; Glenco, GA; Sanford, FL

## **Mark D. Porter**

**Rank:** PO2

**Branch:** Navy

**Unit:** USS Bigelow & USS Albany

**Method of Service:** Ships Serviceman

**Deployed to:** Mediterranean





## Joseph L. Perez

**Rank:** Specialist 5

**Branch:** Army

**Unit:** 101st MI Company, 101st Airborne Division/  
Airmobile

**Years of Service:** 2

**Deployed to:** Thua-Thien Province, Republic of Vietnam  
(June 1970 - June 1971)

**Conflicts/campaigns:** Vietnam War

## Martin Joseph Shatto

**Rank:** E5

**Branch:** Army

**Unit:** 82<sup>nd</sup> Engineers

**Method of Service:** Geodetic Surveyor

**Years of Service:** 3 years

## Gerardo Rojas

**Rank:** Second Class Petty Officer ( E5), ABH2

**Branch:** Navy

**Years of Service:** 7 years (2010 - 2017)

**Deployed to:** Middle East (2) , Central America (1)

**Conflicts/Campaigns:** Enduring Freedom, and Continuing Promise 2010 ( CP10)



## Augustus O. Slaven III

**Rank:** E6

**Branch:** United States Navy

**Unit:** Submarine Duty

**Method of Service:** Electronics Technician  
Navigation

**Years of Service:** 10 years

**Deployed to:** Guam





## Robert Strayer III\*

**Rank:** Chief Warrant Officer 2

**Branch:** USMC

**Unit:** Marine Forces Reserve, Headquarters Battalion

**Method of Service:** Active Duty

**Years of Service:** 13

**Deployed to following locations:** Japan, Korea, Afghanistan, Morocco

**Conflicts campaigns or operations:** Operation Enduring Freedom x 2 (2011, 2013)

*\*Son of Bob Strayer*



## Jim Sullivan

**Rank:** E4

**Branch:** Army

**Unit:** 194th Engineer Brigade

**Years of Service:** 1996 - 2002

**Deployed to:** Honduras, Germany, and Bulgaria



## Manuel G. Vera, Sr.

**Rank:** Airman, 2<sup>nd</sup> Class

**Branch:** U.S. Air Force

**Unit:** MATS Command

**Years of Service:** 4

**Deployed to:** Bermuda

## Danny Williams III

**Rank:** Signalman 3rd Class

**Branch:** United States Navy

**Unit:** USS Saipan (LHA-2)

**Years of Service:** 5

**Stationed in:** Norfolk, Virginia; 3 Mediterranean Cruises, 2 North Atlantic Cruises, 2 Caribbean Cruises

**Awards/Ribbons:** Humanitarian Service Award; Navy Expeditionary Award;; Admiral D. Flatly Award



## Mike Zoltek

**Rank:** Corporal

**Branch:** US Army Infantry

**Unit:** Delta Company, 3<sup>rd</sup> Battalion, 41<sup>st</sup> Infantry Regiment

**Method:** Second Armored Division

**Years of Service:** 1987-1989



## Louis R. Campanile

**Rank:** Seaman First Class "Fire Control"

**Branch:** US Navy

**Unit:** USS O'HARE

**Method of Service:** DD-889

**Years of Service:** 1944-1946

**Deployed to:** North Atlantic, Caribbean, Cuba, Jamaica

**Served during:** WWII

LOUIS R. CAMPANILE S1/C(FC), USNR ON USS O'HARE  
DD889 GALVESTON TEXAS, CHRISTMAS DAY, 1945,  
ACTIVE DUTY 1944 TO 1946.



*Thank you to all of our Veterans for your sacrifice!*

---

Click on the pictures below to view the videos in your browser!

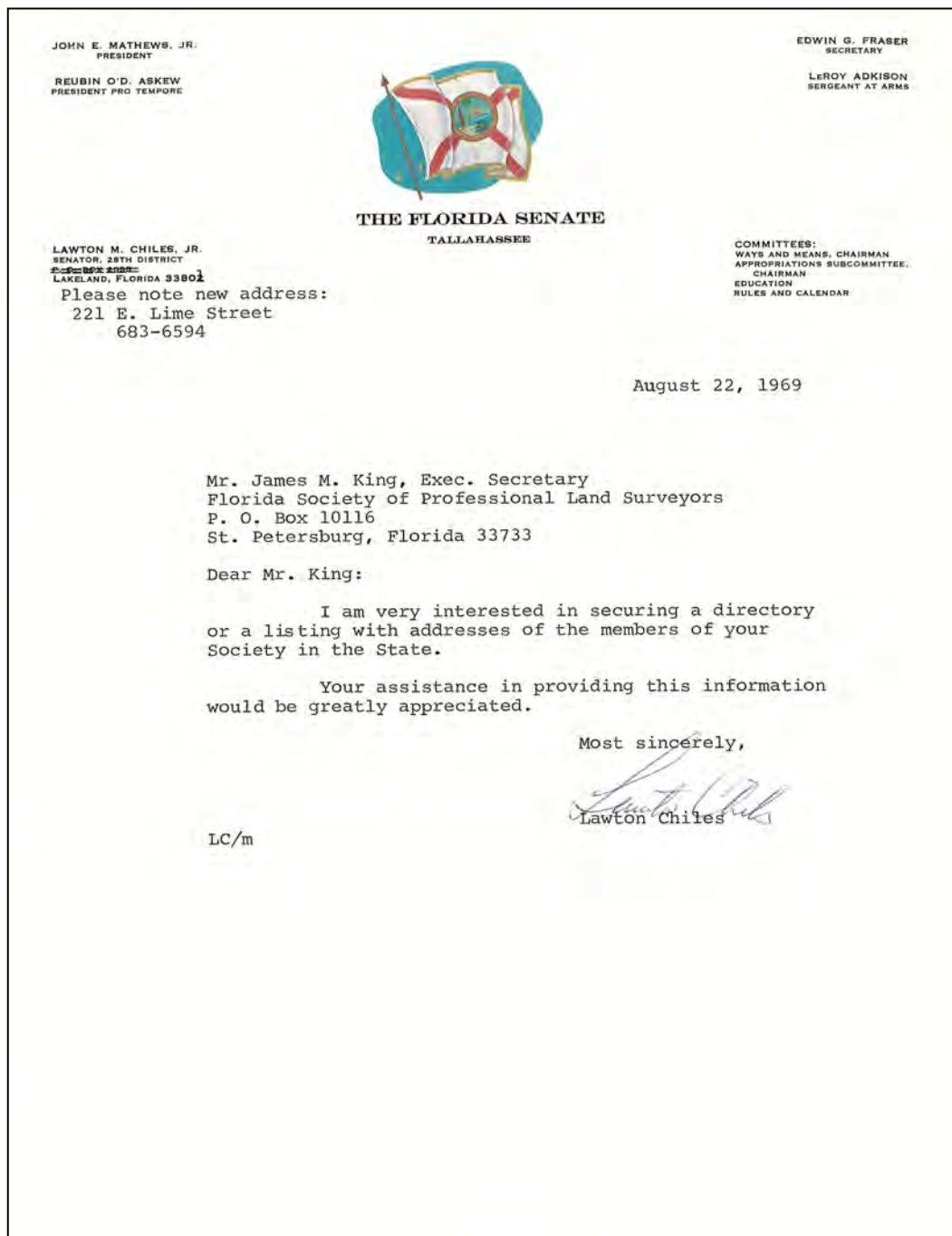
### The History of Our National Anthem



### Red Skelton's Pledge of Allegiance







**From August 1969:** A letter written by future Governor and then-State Senator Lawton Chiles to FSMS Secretary James King, requesting a directory of members in the Society. FSMS was still named the Florida Society of Professional Land Surveyors (FSPLS) at the time.



# Did YOU Ever WONDER Why?

Michael Whitling, PSM

## Why is a tube used to breathe under water called a “snorkel?”

“Snorkel” comes from the German word *Schnorchel*, which comes from the word *schnarchen*, meaning “to snore.” *Schnorchel* was what the Germans called the underwater breathing system for their World War II U-boats because of the system’s similarity to a nose and because of its noise when in use. The British called their system a “snort.” Snorkeling has been around for 5000 years, with sponge divers using hollow reeds. The more modern curved tube used by a swimmer to breathe under water was created in the early 1950’s, and deemed the “snorkel.” Note: “Snorkels” are used in underwater sports including underwater hockey and rugby. Yes, underwater rugby is played in over 20 countries, including the USA.



## Why do we say something is “brand” new?

You would think just new would cover it, but “brand” new adds that it has never been used. The word “brand” comes from the Germanic languages and is still commonly used in modern Dutch and German to mean “fire.” “Brand-new” goes back to the Middle Ages, when it referred to pottery or metalwork that had just been pulled from the fire in which it had been hardened. But then there’s “brand spanking new.” The word “spanking” appears in English about the middle of the seventeenth century, denoting something that was exceptionally good or especially fine, often something showy or smart. It comes from a Danish or Norwegian word *spanke*, to strut. It’s all new to me.



## Why is something overdone said to be “cheesy?”

What’s interesting is that this use of ‘cheese’ is not related to the food. “Cheesy” evolved from the Persian term “*chiz*” that simply denotes a thing. In the 1800’s the British began using “*chiz*” as slang to mean something top-rate, of impressive value. By the middle of the 1800’s, “cheesy” had evolved to mean “showy,” which eventually led to the modern use of “cheesy” as cheap, inferior or overdone. Note: “Cheesy” was in common use in medical writing in the late 19<sup>th</sup> century to describe morbid substances found in tumors, decaying flesh, etc. Second note: The American idea of “the big cheese” as an important person derives from the actual dairy product (from the Latin “*caseus*,” 1300s). It seems that late 19<sup>th</sup> century American politicians liked to take advantage of local publicity stunts that often featured an overlarge wheel of cheese, which an honored guest would slice and distribute to the crowd. Thus, to cut the big cheese meant you were important, which then transformed to naming that person a big cheese (not to be confused with “cutting the cheese.”)



### Quick Facts:

- ⇒ The inventor of baseball is also credited with firing the first Union shot of Civil war.
- ⇒ Until 1884, no newspaper in the world had more than eight pages.
- ⇒ Howard Hughes kept a ruler in his hotel room to measure any peas he ordered, sending back those that were "too big."
- ⇒ Georgia O'Keeffe's flower paintings have fascinated many people, but the fuss over them annoyed the artist. She once told art critic Emily Genauer: "I hate flowers - I paint them because they're cheaper than models and they don't move."



- ⇒ In July 1934, Babe Ruth paid a fan \$20 dollars for the return of the baseball he hit for his 700th career home run.
- ⇒ Chicago painter Ivan Albright was so meticulous that during a typical five-hour workday, he would paint about a half of a square inch.
- ⇒ Paul Schrader, who wrote the screenplay for Taxi Driver, was raised in an ultraconservative Christian household and didn't see a single movie until age 18.
- ⇒ Wintergreen LifeSavers give off sparks when chewed in the dark because of a chemical process called triboluminescence.



- ⇒ The 30th Vice President of the United States, Charles Gates Dawes, also won a Nobel Peace Prize in 1925 and was a self-taught pianist and composer who composed the 1912 hit song, "Melody in A Major," which

was eventually used in Tommy Edwards' 1958 #1 hit (for a then record six weeks) "It's All in the Game."



- ⇒ Splenda was an insecticide that became a sweetener when an assistant misheard an order to "test" it as "taste" it.
- ⇒ Robert O. Welch, the inventor of Sugar Daddy, is also the founder of the John Birch Society.
- ⇒ "Taking the No. 11 bus" is slang for walking, with the 1's representing your own two legs.
- ⇒ Most clams begin life as males, but half of them turn female when older.
- ⇒ Turkeys have excellent vision, seeing three times more clearly than 20/20. Turkeys can also see in color and have a 270 degree field of vision.



- ⇒ A stick of chewing gum costs five cents to buy but 17 cents to clean off the pavement.
- ⇒ Bruce Lee was Hong Kong's 1958 cha-cha dance champion.
- ⇒ To debunk a popular turkey tale, Benjamin Franklin did not advocate for the turkey as the National Bird. However, according to The Franklin Institute, he was against the Bald Eagle, stating in a letter to his daughter that it was a "Bird of bad moral Character" whereas the turkey was a "much more respectable Bird...a Bird of Courage."
- ⇒ For many years, the globe on the NBC Nightly News spun in the wrong direction. On January 2, 1984, NBC finally set the world back in the proper direction.

*Send your thoughts to [drmjlw@aol.com](mailto:drmjlw@aol.com)*



# Around the State



*Kevin Mears of NCG (left) and Richard Malloy of FDEP presenting at the Florida Association of Environmental Professionals conference held October 19-20 in Tallahassee. They represented the Geospatial Users Group (GUG) with their presentation titled "Survey 101".*



*Robert Stevens found this living witness tree hiding in plain sight near Auburndale. It was originally marked as part of a subdivision in the 1920's.*



# The FSMS Marketplace



## Used Fixed Height Tripods (2m)

\$100 + \$7.50 tax

⇒ Must pick up in Tallahassee

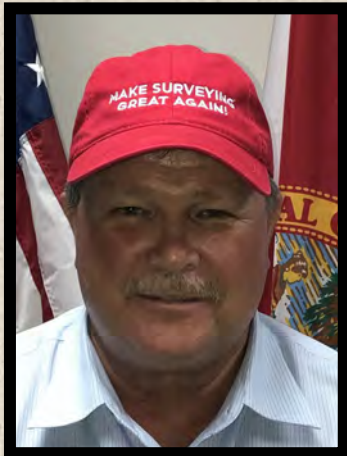
⇒ 100% of sale donated to FSMS Disaster Relief Fund



## FSMS Coolers

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

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



## Make Surveying Great Again Caps

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

⇒ Available in neon

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



Order company caps with your logo and the FSMS logo!

24 hats for \$258 (\$10 per hat + tax)

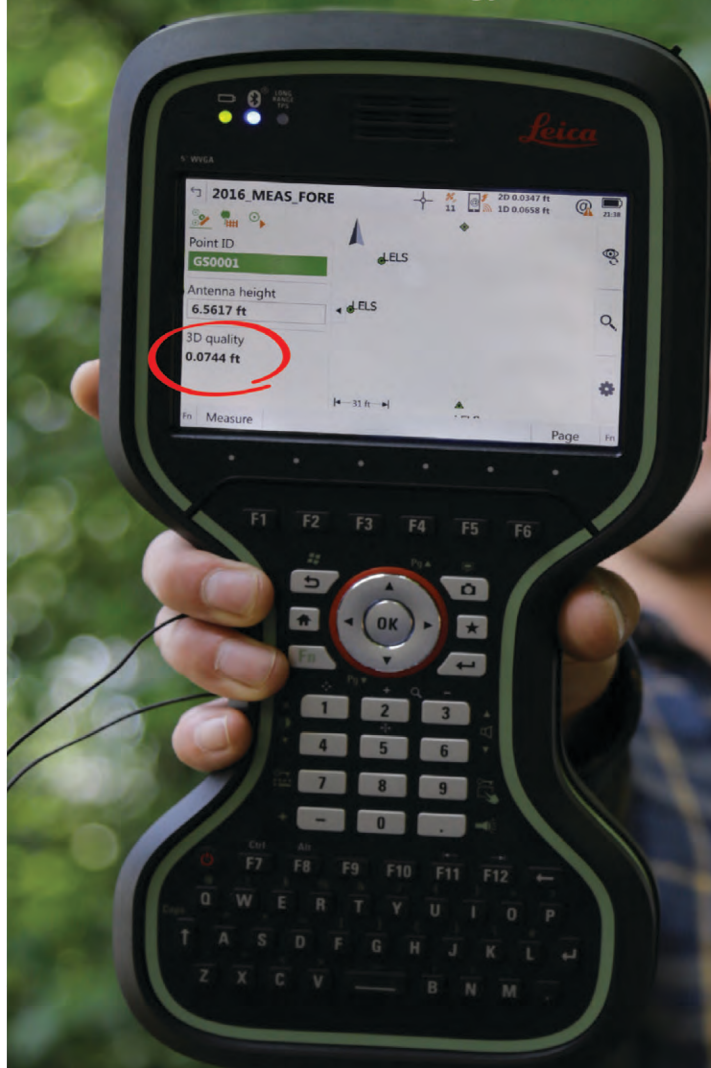
⇒ Donations to the FSMS Disaster Relief Fund appreciated

*To purchase caps, coolers or tripods, email [communications@fsms.org](mailto:communications@fsms.org) or call 850-942-1900.*



# PURE SURVEYING

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CS20 Controller

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# Public Land Survey System

Course # 7304

6 hours CEC's

Instructed by: **Eric Stuart, PSM**

Thursday, November 16<sup>th</sup>

Santa Rosa County Development Services Center

Seminar will be held in the Media Room

6051 Old Bagdad Highway

Milton, FL 32583

8:30 a.m. – 3:30 p.m. (Registration starts at 8:00 a.m.)

This course will bring you knowledge of how the Public Land Survey System began and how it has evolved over time. How the original Public Land Surveys were performed and documented, laws governing the Public Land Survey System. Information on how to retrace Original Surveys and restore Lost or Obliterated Corners.



*Mr. Eric Stuart has 15 plus years of experience in surveying and mapping. Eric is an experienced expert witness, and he has provided testimony on multiple boundary and sovereignty land cases. Eric graduated from Troy State University with a Bachelor of Science (B.S.) degree in Geomatics, and is currently registered in Florida, Alabama, Arkansas, Georgia, Louisiana, Mississippi, N. Carolina, S. Carolina, Tennessee, Texas and is a Certified Federal Land Surveyor (CFedS). He is a member of the Florida Surveying & Mapping Society (FSMS) and Alabama Society of Professional Land Surveyors (ASPLS), and he currently serves on the FSMS Board of Directors as Director for District 1.*

\$130 Members \_\_\_\_\_

\$160 Non- Members \_\_\_\_\_

\$80 Non- Licensed \_\_\_\_\_

Name: \_\_\_\_\_ PSM#: \_\_\_\_\_

Firm: \_\_\_\_\_ Work Phone: \_\_\_\_\_

Address: \_\_\_\_\_

City/State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Email Address: \_\_\_\_\_

Payment Information: \_\_\_\_\_ Check Enclosed \_\_\_\_\_ VISA/MasterCard/American Express \_\_\_\_\_ Government PO

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**FAX TO: 850.877.4852**

**Cancellation Policy**

30 days – Full Refund • 14–29 days – 50% Refund • 0-13 days – No Refund

*We reserve the right to cancel a seminar for reasons beyond our control with no liability for reimbursement other than the seminar fee.*

Provider No. CE11 [FSMS.ORG](http://FSMS.ORG)





## Florida Surveying and Mapping Society

# 2017 eLearning Courses



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

**\$ 70<sup>00</sup>**



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

**\$ 120<sup>00</sup>**



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

**\$ 70<sup>00</sup>**



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

**\$ 70<sup>00</sup>**



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

**\$ 120<sup>00</sup>**



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

**\$ 120<sup>00</sup>**



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

**\$ 120<sup>00</sup>**



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

**\$ 120<sup>00</sup>**



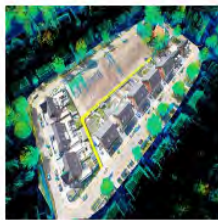
History of Surveying  
Course #7140 (6 General  
CEC)

**\$ 120<sup>00</sup>**



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

**\$ 120<sup>00</sup>**



Introduction to  
Photogrammetry Course  
#7968 (3 General CEC)

**\$ 70<sup>00</sup>**



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

**\$ 120<sup>00</sup>**



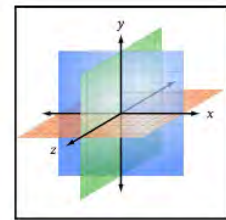
Map Projections and  
Plane Coordinate  
Systems Course #8261 (6  
General CEC)

**\$ 120<sup>00</sup>**



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

**\$ 120<sup>00</sup>**



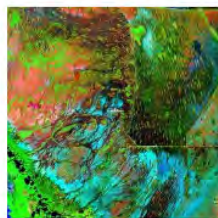
Practical Geometry for  
Surveyors Course #7141  
(6 General CEC)

**\$ 120<sup>00</sup>**



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

**\$ 120<sup>00</sup>**



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

**\$ 120<sup>00</sup>**



Writing Boundary  
Descriptions Course  
#8362 (3 General CEC)

**\$ 70<sup>00</sup>**





# 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**

<b>EMAILED</b>		<b>Quantity</b>			
<b>6 CEC</b>	\$115 Per Course	x	_____	=	\$ _____
<b>3 CEC</b>	\$58 Per Course	x	_____	=	\$ _____
<b>MAILED</b>					
<b>6 CEC</b>	\$125 Per Course	x	_____	=	\$ _____
<b>3 CEC</b>	\$68 Per Course	x	_____	=	\$ _____
<b>TOTAL</b>			_____		\$ _____

☐ **Non-Member**

<b>EMAILED</b>		<b>Fee</b>	<b>Quantity</b>			<b>Amount</b>
<b>6 CEC</b>	\$135 Per Course	x	_____	=	\$ _____	
<b>3 CEC</b>	\$78 Per Course	x	_____	=	\$ _____	
<b>MAILED</b>						
<b>6 CEC</b>	\$145 Per Course	x	_____	=	\$ _____	
<b>3 CEC</b>	\$88 Per Course	x	_____	=	\$ _____	
<b>TOTAL</b>			_____		\$ _____	

☐ **Non-Licensed in ANY State**

<b>EMAILED</b>		<b>Fee</b>	<b>Quantity</b>			<b>Amount</b>
<b>6 CEC</b>	\$100 Per Course	x	_____	=	\$ _____	
<b>3 CEC</b>	\$60 Per Course	x	_____	=	\$ _____	
<b>MAILED</b>						
<b>6 CEC</b>	\$110 Per Course	x	_____	=	\$ _____	
<b>3 CEC</b>	\$70 Per Course	x	_____	=	\$ _____	
<b>TOTAL</b>			_____		\$ _____	

## Step 3: Payment Information

Name: \_\_\_\_\_ PSM#: \_\_\_\_\_ State: \_\_\_\_\_ FSMS Member: \_\_\_\_ YES \_\_\_\_ NO

Firm: \_\_\_\_\_ Sustaining Firm: \_\_\_\_ YES \_\_\_\_ NO

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City/State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

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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](mailto:education@fsms.org) or FAX TO 850.877.4852

QUESTIONS? CALL 800.237.4384



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David Glaze  
(850) 434-6666  
davidpga@bellsouth.net

### Emerald Coast

Robert Johnson  
(850) 682-5306  
bobndee1@cox.net

### Gulf Coast

Frederic Rankin  
(850) 571-1194  
erankin@dewberry.com

### Chipola Area

Lee Anderson  
(850) 638-0790  
landerson@southeasternsurveying.com

### Northwest Florida

Chad Thurner  
(850) 200-2441  
chad@ncginc.com

## District 2

### Florida Crown

Bill Faust  
(904) 641-0123  
cfaust@drmp.com

### North Central Florida

Hal Peters  
(352) 304-9534  
hpeters@gpinet.com

### UF Geomatics

Eric Didion  
(352) 272-1835  
ericdidion@ufl.edu

## District 3

### Central Florida

Allen Quickel  
(407) 896-0594  
aquickel@drmp.com

### Indian River

Tom Dittman  
(772) 260-3551  
tdittman@bowmanconsulting.com

### Space Coast

Joe Williamson  
(407) 873-3837  
Joew.fsms@gmail.com

### Volusia

William Hart  
(386) 767-2776  
williamhart@bellsouth.net

## District 4

### Ridge

Kenneth Thompson  
(863) 686-0544  
kthompson@platinumsurveying.com

### Tampa Bay

Chris Wild  
(813) 321-5775  
cwild@drmp.com

## District 5

### Charlotte Harbor

Justin "Boots" Garner  
(941) 485-3100  
boots@florida-eas.com

### Collier-Lee

John Pacetti  
(239) 389-0026  
johnpacetti@marcosurveys.com

### Manasota

Scott Britt  
(941) 341-9935  
msb@msbsurveying.com

## District 6

### Broward

Rick Pryce  
(954) 739-6400  
rpryce@craventhompson.com

### Palm Beach

Kevin Beck  
(561) 655-1151  
kbeck@engenuitygroup.com

### FAU Geomatics

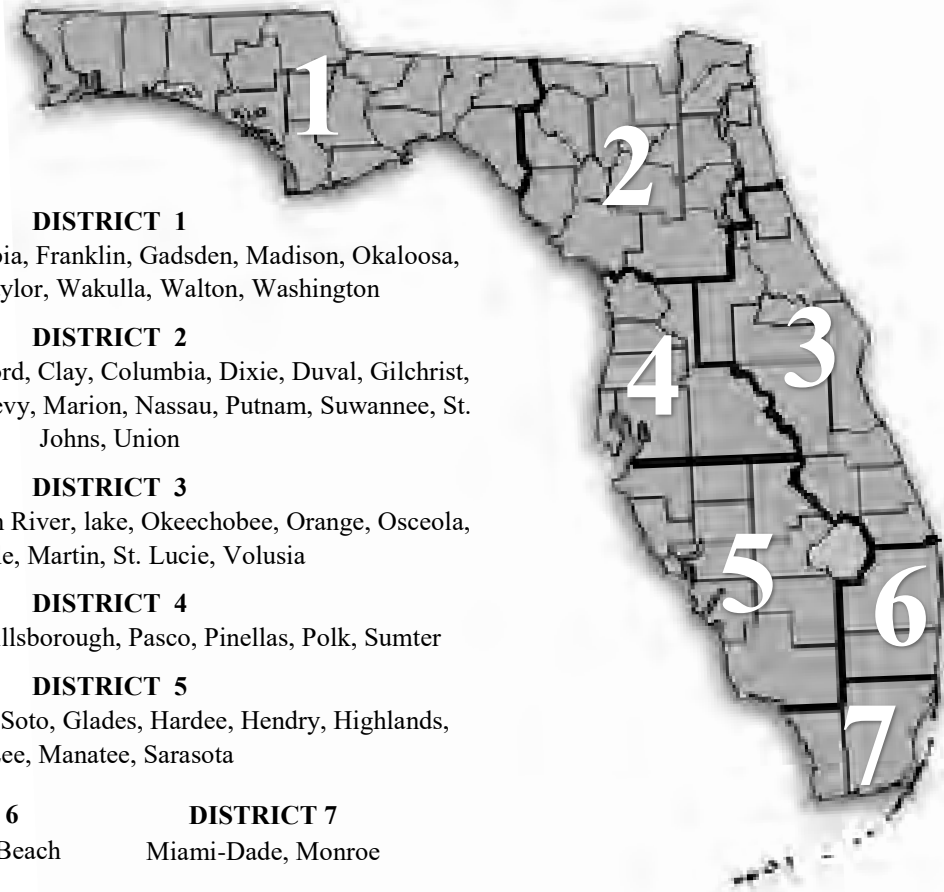
Da'Neil Campbell  
dcampb11@fau.edu

## District 7

### Miami-Dade

John Liptak  
(305) 597-9701  
jliptak@masterconsulting.com





## **DISTRICT 1**

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Johns, Union

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Seminole, Martin, St. Lucie, Volusia

## **DISTRICT 4**

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## **DISTRICT 5**

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Lee, Manatee, Sarasota

## **DISTRICT 6**

Broward, Palm Beach

## **DISTRICT 7**

Miami-Dade, Monroe

## **District 1 - Northwest**

Eric Stuart  
(850) 857-7725  
eric@ncginc.com

Chad Thurner  
(850) 200-2441  
chad@ncginc.com

## **District 5 - Southwest**

Ralph Rhodes  
(941) 924-1600  
rjr@rjrhodes.com

Jeffrey Cooner  
(239) 829-7016  
jeff.cooner@cardno.com

## **District 2 - Northeast**

Nick Digruttolo  
(863) 344-2330  
ndigruttolo@pickettusa.com

Randy Tompkins  
(904) 755-4235  
randytompkins1@outlook.com

## **District 6 - Southeast**

Jim Sullivan  
(561) 753-9723  
sullivanj@erdmananthony.com

Rick Pryce  
(954) 473-0690  
rdpryce@gmail.com

## **District 3 - East Central**

Joe Perez  
(407) 395-3518  
jlperez@pesengsurv.com

Joseph Williamson  
(321) 267-7123  
Joew.fsms@gmail.com

## **District 7 - South**

Manny Vera, Jr.  
(305) 221-6210  
mverajr@mgvera.com

John Liptak  
(305) 597-9701  
jliptak@maserconsulting.com

## **District 4 - West Central**

Greg Prather  
(863) 533-9095  
gprather@pickettinc.com

Justin Ferrans  
(727) 461-6113  
Justin@polaris-survey.com

## **NSPS Director**

Ronnie Figueroa  
(407) 292-8580  
rfigueroa@southeasternsurveying.com



## Committees

### Standing Committees

<b>Nominating Committee</b>	Dianne Collins
<b>Membership Committee</b>	Joe Perez
<b>Finance Committee</b>	Bon Dewitt
<b>Executive Committee</b>	Bob Strayer
<b>Education Committee</b>	Don Elder
<b>Annual Meeting Committee</b>	Tom Brownell
<b>Legal Committee</b>	Jack Breed
<b>Strategic Planning Committee</b>	Dianne Collins
<b>Ethics and Professional Practice Committee</b>	John Liptak
<b>Constitution and Resolution Advisory Committee</b>	Art Mastronicola

### Special Committees

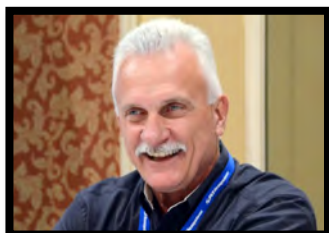
<b>Legislative Committee</b>	John Clyatt
<b>Young Professionals Committee</b>	Chris Wild
<b>Awards Committee</b>	Lou Campanile, Jr.
<b>UF Alumni Recruiting Committee</b>	Jeff Cooner

### Liaisons

<b>CST Program</b>	Ronnie Figueroa
<b>FDACS BPSM</b>	Don Elder
<b>Surveyors in Government</b>	Richard Allen
<b>Academic Advisory UF</b>	Bon Dewitt

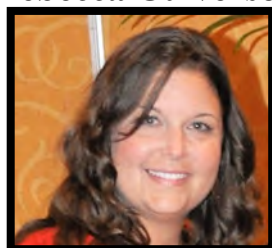
## Administrative Staff

### Tom Steckler



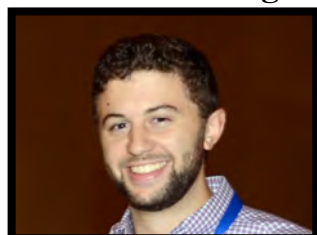
Executive Director  
director@fsms.org

### Rebecca Culverson



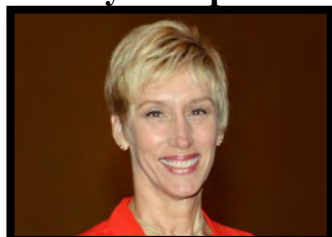
Education Director  
education@fsms.org

### Dominic Levings



Communications Director  
communications@fsms.org

### Cathy Campanile

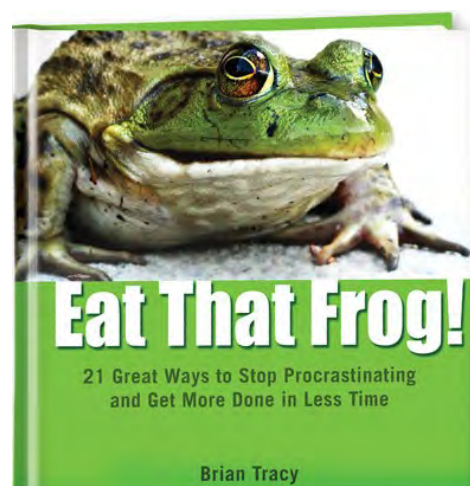


Regional Coordinator  
seminolecc84@gmail.com

## Tom's Tip of the Month

### "Eat That Frog!"

*Click on the picture below to view the video!*



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
Accuright Surveys Of Orlando, Inc .	407-894-6314	Causeaux Hewett & Walpole, Inc.	352-331-1976
Aerial Cartographics Of America, Inc.	407-851-7880	Central Florida Surveys, Inc.	407-262-0957
Aim Engineering & Surveying, Inc.	239-332-4569	Chastain-Skillman, Inc.	863-646-1402
All County Surveyors, Inc.	800-860-9119	Choctaw Engineering, Inc.	850-862-6611
Allen & Company, Inc.	407-654-5355	Civilsurv 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
Ameritt, 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.	407-869-5002	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
Barraco And Associates, Inc.	239-461-3170	Culpepper & Terpening, Inc.	772-464-3537
Bartram Trail Surveying, Inc.	904-284-2224	Dagostino & Wood, Inc.	239-352-6085
Baseline Engineering And Land Surveying, Inc.	561-417-0700	Deal Land Surveying LLC	407-878-3796
Bay Area Sinkhole Investigation & Civil Engineering, LLC	813-885-4144	Degrove Surveyors, Inc.	604-722-0400
Bay Area Surveying And Mapping, Inc.	727-271-0146	Dennis J. Leavy & Associates	561-753-0650
BBLS Surveyors, Inc.	239-597-1315	Deren Land Surveying LLC	352-331-0010
Bean Whitaker Lutz & Kareh, Inc.	239-481-1331	Diversified Design & Drafting Services, Inc.	850-385-1133
Banks Engineering	239-939-5490	DMK Associates, Inc.	941-475-6596
Bello & Bello Land Surveying Corporation	305-251-9606	Donald F. Lee & Associates, Inc.	386-755-6166
Benchmark Land Services, Inc.	239-591-0778	Donald W. McIntosh Associates, Inc.	407-644-4068
Benchmark Surveying And Land Planning	850-994-4882	Donoghue Construction Layout LLC	321-248-7979
Beta Company Surveying, Inc.	941-751-6016	Douglass Leavy & Associates, Inc.	954-344-7994
Betsy Lindsay, Inc.	772-286-5753	DRMP, Inc.	407-896-0594
Biscayne Engineering Company, Inc.	305-324-7671	DSW Surveying and Mapping, PLC	352-735-3796
Boatwright Land Surveyors, Inc.	904-241-8550	E.R. Brownell & Associates, Inc.	305-860-3866
Bock & Clark Corporation	330-665-4821	Echezabal & Associates, Inc.	813-933-2505
Bowman Consulting Group, LTD., Inc.	703-464-1000	Eda Engineers-Surveyors-Planners, Inc.	352-373-3541
Bradshaw-Niles & Associates, Inc.	904-829-2591	Edwin G. Brown & Associates, Inc.	850-926-3016
Brown & Phillips, Inc.	561-615-3988	E.F. Gaines Surveying Services, Inc.	239-418-0126
BSE Consultants, Inc.	321-725-3674	Eiland & Associates, Inc.	904-272-1000
Buchanan & Harper, Inc.	850-763-7427	Element Engineering Group, LLC	813-386-2101
Buchheit Associates, Inc.	321-689-1057	Engenuity Group, Inc.	561-655-1151
Bussen-Mayer Engineering Group, Inc.	321-453-0010	Engineering Design & Construction, Inc.	772-462-2455
Burkholder Land Surveying, Inc.	941-209-9712	England, Thims & Miller, Inc.	904-652-8990
C&M Roadbuilders	941-758-1933	ESP Associates PA	803-802-2440
Calvin, Giordano & Associates, Inc.	954-921-7781	Evans Land Surveying, Inc.	727-734-3821
Cardno, Inc.	407-629-7144	Exacta Land Surveyors, Inc.	305-668-6169
Carter Associates, Inc.	772-562-4191	F. R. Aleman & Associates, Inc.	305-591-8777
		Fabre Engineering, Inc.	850-433-6438
		Ferguson Land Surveyors, PLC	727-230-9606
		First Choice Surveying, Inc.	407-951-8655



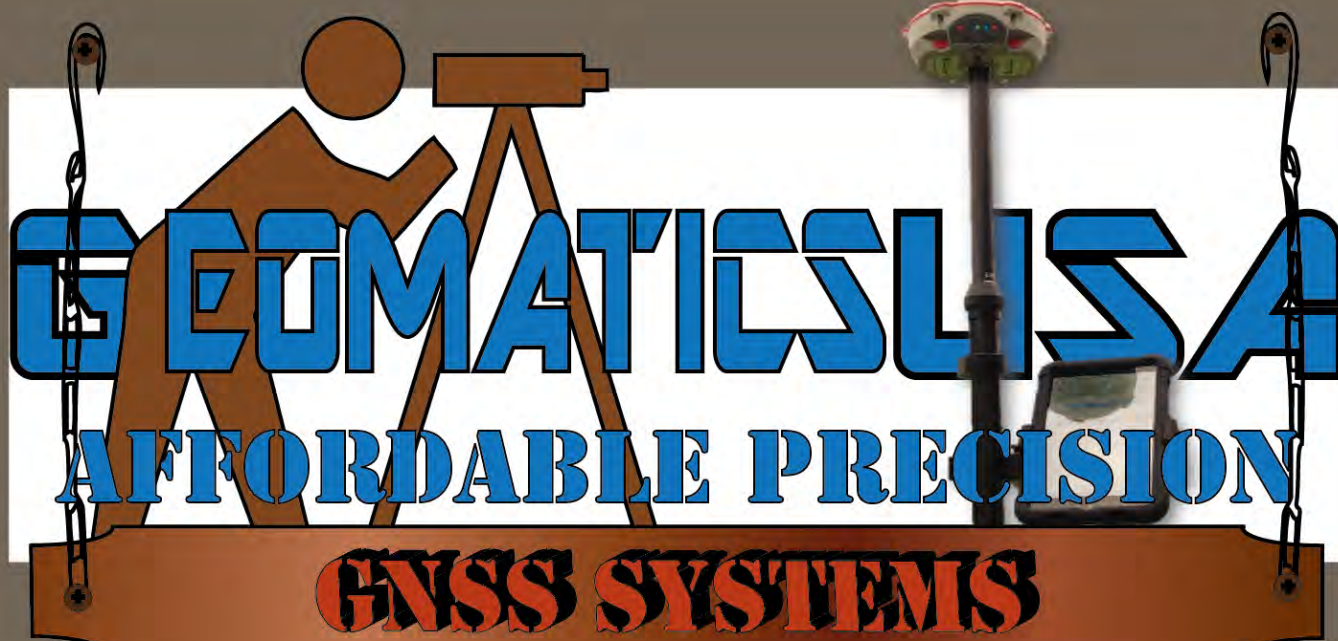
## 2017-2018 Sustaining Firms

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, Cothorn & 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	Pennonni 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
Kugelman 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
Landmark Engineering & Surveying Corporation	813-621-7841	Robert A. Stevens & Associates	863-559-1216
Leading Edge Land Services, Inc.	407-351-6730	Robert M. Angas Associates, Inc.	904-642-8550
Leiter Perez & Associates, Inc.	305-652-5133	Rogers Engineering LLC	352-622-9214
Leo Mills & Associates	941-722-2460	Rogers, Gunter, Vaughn Insurance, Inc.	850-396-1111
Littlejohn Engineering Associates, Inc.	407-975-1273	S&ME, Inc.	407--975-1273
Lochrane Engineering, Inc.	407-896-3317	SCR & Associates NWFL, Inc.	850-265-6979
		Sergio Redondo & Associates, Inc.	305-378-4443



## 2017-2018 Sustaining Firms

Shah Drotos & Associates, Inc.	954-943-9433	Thurman Roddenberry & Associates, Inc.	850-962-2538
Sherco, Inc.	863-453-4113	Tuck Mapping Solutions, Inc.	276-523-4669
Sliger & Associates, Inc.	386-761-5385	Upham, Inc.	386-672-9515
Southeastern Surveying And Mapping Corporation	407-292-8580	Wade Surveying, Inc.	352-753-6511
Spalding Dedecker Associates Inc	248-844-5404	Wallace Surveying Corporation	561-640-4551
Stephen H Gibbs Land Surveyors, Inc.	954-923-7666	Wantman Group, Inc.	561-687-2220
Stephen J. Brown, Inc.	772-288-7176	WBQ Design & Engineering, Inc.	407-839-4300
Strayer Surveying & Mapping, Inc.	941-497-1290	Winningham & Fradley, Inc.	954-771-7440
Suarez Surveying & Mapping	305-596-1799	Woolpert, Inc.	937-461-5660
Survtech Solutions, Inc.	813-621-4929	York & Associates Engineering, Inc.	229-248-0141
Tetra Tech, Inc.	407-839-3955	ZNS Engineering LLC	941-748-8080



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# 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

## Past Presidents

**1956**

H.O. Peters  
Harry C. Schwebke  
John P. Goggin  
R.H. Jones

**1960**

Hugh A. Binyon  
Russell H. DeGrove  
Perry C. McGriff  
Carl E. Johnson  
James A. Thigpenn, III  
Harold A. Schuler, Jr.  
Shields E. Clark  
Maurice E. Berry II  
William C. Hart  
Frank R. Schilling, Jr.

**1970**

William V. Keith  
James M. King  
Broward P. Davis  
E.R. (Ed) Brownell  
E.W. (Gene) Stoner  
Lewis H. Kent

Robert S. Harris

Paul T. O'Hargan  
William G. Wallace, Jr.  
Robert W. Wigglesworth

**1980**

Ben P. Blackburn  
William B. Thompson, II  
John R. Gargis  
Robert A. Bannerman  
H. Bruce Darden  
Buell H. Harper  
Jan L. Skipper  
Steven M. Woods  
Stephen G. Vrabel  
W. Lamar Evers

**1990**

Joseph S. Boggs  
Robert L. Graham  
Nicholas D. Miller  
Loren E. Mercer  
Kent Green  
Robert D. Cross  
Thomas L. Conner

Gordon R. Niles, Jr.

Dennis E. Blankenship  
W. Lanier Matthews, II  
Jack Breed

**2000**

Arthur A. Mastronicola  
Michael H. Maxwell  
John M. Clyatt  
David W. Schryver  
Stephen M. Gordon  
Richard G. Powell  
Michael J. Whitting  
Robert W. Jackson, Jr.  
Pablo Ferrari  
Steve Stinson

**2010**

Dan Ferrans  
Jeremiah Slaymaker  
Ken Glass  
Russell Hyatt  
Bill Rowe  
Dale Bradshaw  
Lou Campanile, Jr.

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**Save the Date: August 13-19, 2018**  
**63rd Annual FSMS Conference**  
**Tradewinds, St. Petersburg, FL**





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