



THE FLORIDA SURVEYOR

February 2014

FSM PAC

FLORIDA SURVEYING & MAPPING POLITICAL ACTION COMMITTEE

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FSMS is our *collective voice* to maintain them.

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NORTHWEST – DISTRICT 1

Lanier Mathews
850.519.7466
lanier@lm2ci.com

David Glaze
850.434.6666
davidgga@bellsouth.net

NORTHEAST – DISTRICT 2

Joe Lek
904.363.1110
j.lek@gaiconsultants.com

Chris Howson
352.622.3133
chris@rmbarrineau.com

EAST CENTRAL – DISTRICT 3

Joseph Hale
321.258.0915
pbsurveyor@gmail.com

Joe Stokes
407.246.3319
joseph.stokes@cityoforlando.net

WEST CENTRAL – DISTRICT 4

Pete Mattson
813.386.2101
pmattson@elementeg.com

Jeff Young
941.533.9095
jyoung@pickett-inc.com

SOUTHWEST – DISTRICT 5

Rick Ritz
239.939.5490
rritz@bankseng.com

Bob Strayer
941.496.9488
bob@strayersurveying.com

SOUTHEAST – DISTRICT 6

Sam Hall
561.472.8145
sam.hall@wantmangroup.com

Kevin Beck
561.842.7001
kbeckpsm@comcast.net

SOUTH – DISTRICT 7

John Liptak
305.597.9701
john@trianglesm.com

Lou Campanile, Jr.
954.980.8888
lou@campanile.net

2013 –2014 NSPS GOVERNOR

Mike Maxwell
239.649.4040
pls4650@gmail.com

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Managing Editor:
Executive Editor:
PSM Technical Assistant:
COVER PHOTO:

Beth Embleton
Marilyn Evers
Craig Emrick, PSM

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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. Advertising and article copy deadline is the 1st of the month.

PRESIDENT'S MESSAGE



Russell Hyatt
President
941.748.4693

russell@hyatt-survey.com

Over the last few months, I have had an eye opening firsthand experience dealing within the political system of Florida. I have represented FSMS and observed our Legislative Consultant, David Daniel, Legislative Committee Chairman, Lanier Mathews, FDACS Board Liaison, Ray Niles and our attorney, Claire Duchemin as they pursued changes to our current Practice Act, specifically 472.027.

There have been many meetings, conference calls and visits to the Capitol in an effort to help the legislators "see the light" in our proposed changes. All of this made it clearly evident to me the importance of our Florida Surveying and Mapping Political Action Committee (FSM PAC). This experience has given me a new appreciation for the duties with which our Legislative Committee and FSM PAC is tasked. That being said, I felt it necessary to help you, our membership, gain a better understanding of the FSM PAC and its importance to our profession.

Some of you may ask:

- How does FSM PAC operate?

In short, FSM PAC solicits membership from the surveying and mapping community in an effort to ensure the future of our profession. FSM PAC makes contributions to various candidates' campaign funds under direction of our Lobbyist, David Daniel with approval from the FSM PAC Officers & Directors. Providing support to candidates who are supportive of our profession is the main goal.

- What does FSM PAC do?

FSM PAC influences the political process. From time to time it is obvious that there are interest groups with their own agendas that are not in tandem with ours. We must have friends in the legislature who are familiar with our profession upon whom we can call when there is possible encroachment on the surveying and mapping profession. That support is also essential when we introduce legislation to be passed. Securing sponsors for our bills, followed by sufficient support, is paramount to the success of new or revised legislation.

- Why Is FSM PAC Important?

It is vital for FSM PAC to be a part of the political scene in Florida. FSM PAC increases visibility of the profession to lawmakers and ensures needed access to top decision makers in our government.

- How can you make a difference?

Never feel Tallahassee is too far removed, both geographically and politically, for you to have any impact – especially if you are not involved politically in your local community. It is very important to remember that the legislators who meet in Tallahassee are elected by YOU! They live in your neighborhoods. They need your vote to be reelected. FSM PAC presents a statewide perspective to legislators, but the greatest impact comes from discussions you have with legislators at the local "grass roots" level. They want to know how policies and budgets will affect you, their constituent. Many of our members have been very effective at the local level when communicating with their local representatives. To have a lasting effect on the political process, you must develop a dialogue with your elected officials and acquaint them with the purpose and mission of FSM PAC; **if you do, you will make a difference.**

While you may not agree with this system of politics, this is the way our political system currently operates and we must work within its confines. That being said, I implore each of you to join the FSM PAC at the individual and/or corporate level, establish a dialogue with your local legislators and finally, consider taking a trip to Tallahassee to see the system in action. Your membership and participation in the FSM PAC is essential to its success and the future success of our profession.

This month's quote: I couldn't choose between these two quotes so this month is a 2 for 1!

"In our personal ambitions we are individualists. But in our seeking for economic and political progress as a nation, we all go up or else all go down as one people." Franklin D. Roosevelt

"We are more thoroughly an enlightened people, with respect to our political interests, than perhaps any other under heaven. Every man among us reads, and is so easy in his circumstances as to have leisure for conversations of improvement and for acquiring information." Benjamin Franklin

2013-2014 OFFICERS



Bill Rowe
President-Elect
407.292.8580
browe@southeastern
surveying.com



Ken Glass
Immediate Past President
863.646.4771
kglass@civilsurv.com



Dale Bradshaw
Vice President
904.829.2591
dbradshaw@bradshaw-
niles.com



Dianne Collins
Secretary
863.937.9052
dcollins@
collinssurvey.com



Bon Dewitt
Treasurer
352.392.6010
bon@ufl.edu

EXECUTIVE DIRECTOR'S MESSAGE



Marilyn Evers
Executive Director
director@fsms.org

As Surveyors and Mappers you can all relate to Meriwether Lewis and William Clark and their expedition in the early 1800's. Commissioned by President Thomas Jefferson, they began their journey, explored new lands, supported each other and in turn achieved much more than they could on their own.

So can we as modern day Surveyors & Mappers. The profession must take a journey together supporting our Florida Surveying and Mapping Political Action Committee (FSM PAC) to ensure the future of the profession and it will take everyone working together.

First, we must think of FSMS and FSM PAC as one to achieve greater legislative health. FSM PAC is the tool to develop relationships and FSMS is the collective voice to maintain those relationships.

It is vital for FSM PAC to be visibly active in the Florida political scene. It increases awareness of the profession to lawmakers and top decision makers in government. Strong and positive relationships with legislators are key; in fact, they are critical and that is what FSM PAC and

FSMS accomplishes each year.

You may not agree with the process and that is quite okay. FSMS did not create it – it is the American political process and the only one in existence at present. Not only is it the only one, it is one that works for us and agree or not, it protects your license.

Your membership in FSM PAC is \$50 per year, which is merely \$.14 per day. What will the \$50 do? Simple and vital - protect your license.

It is important to note that FSM PAC is not affiliated with a particular political party.

Note that FSM PAC accepts credit cards.



Lewis

Clark

"Don't wake up the day after and say, I should have done more."

-David Daniel, Legislative Consultant

Administrative Office

1689-A Mahan Center Blvd. Tallahassee, Florida 32308

Toll: 800.237.4384 Office: 850.942.1900 Fax: 850.877.4852 www.fsms.org



Beth Embleton
Programs Coordinator
programs@fsms.org



Rachel Simpkins
Education Coordinator
education@fsms.org

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TABLE OF CONTENTS

- 3 2013-2014 Directors and Committee Chairs
- 4 President's Message
- 5 Executive Director's Message
- 7 2013 Sustaining Firms
- 10 2014 Sustaining Firms
- 12 Surveyors & Mappers In Government
- 13 The Political Surveyor
- 16 FSM PAC
- 22 2014 Education Conference
- 23 Message From Panel Proponent & Opponent
- 25 Live Seminar Registrations
- 28 Retracement Camp
- 30 Correspondence Courses
- 34 Recent Grads
- 35 Snapshots of Our Family
- 37 If You Ever Wondered Why ... Ask Mike!

**DISTRICT 1
PANHANDLE**
David Glaze
850.434.6666
davidgga@bellsouth.net

EMERALD COAST
Jeffrey Glassburn
850.244.5665
qator0807@aol.net

GULF COAST
Scott Rosenheim
850.835.2950
sr.bsc@cox.net

CHIPOLA AREA
Tony Syfrett
850.638.0790
tsyfrett@southeasternsurveying.com

NORTHWEST FLORIDA
Justin Evers
850.509.4830
justinlevers@outlook.com

**DISTRICT 2
FLORIDA CROWN**
Tom Tracz
352.338.9667
tracz@degrove.com

NORTH CENTRAL FL
Nicholas DiGruttolo
352.642.2685
ndigrutt@ufl.edu

GEOMATICS STUDENT ASSOCIATION
Greg Gilbert
772.766.9167
ggilbert4@ufl.edu

**DISTRICT 3
CENTRAL FLORIDA**
Dolly Carwile
407.246.3812
dolly.carwile@cityoforlando.net

VOLUSIA COUNTY
Jeff Barnes
386.873.4517
jbarnes@mckimcreed.com

INDIAN RIVER
Adam Dao
772.283.1413
adao@creechinc.com

SPACE COAST
Donald C. Lanthorne
321.861.7945
dlanthorne@gmail.com

**2013-2014
Chapter
Presidents**

**DISTRICT 4
RIDGE**
Sherry Grymko
863.533.9095
sgrymko@pickett-inc.com

**TAMPA BAY & WEST
CENTRAL**
Leon Hampton
321.231.4874
lham5910@yahoo.com

**DISTRICT 5
CHARLOTTE-HARBOR**
Greg Rieth
941.650.6252
greg@strayersurveying.com

COLLIER-LEE
Scott Whitaker
239.481.1331
scwhit@bwk.net

MANASOTA
Don Bouchard
941.748.8080
donb@znseng.com

**DISTRICT 6
BROWARD COUNTY**
Iarelis Diaz Hall
305.209.4997
ldiaz@aca-net.com

PALM BEACH
Tom Barry
561.301.4509
thomasbarry@lwdd.net

**FAU GEOMATICS
ENGINEERING STUDENTS
CHAPTER**
Theresa McEndarfer
tmendar@fau.edu

**DISTRICT 7
MIAMI-DADE COUNTY**
Frank Paruas
305.591.8777
frank.paruas@fr-aleman.com

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Navigation Electronics, Inc.	(850) 228-2070		
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Trimble Navigation Limited	(720) 887-4287	Winningham & Fradley, Inc.	(954) 771-7440
Upham, Inc.	(386) 672-9515	Woolpert, Inc.	(305) 418-9370
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Licensee Reminder

Florida Statute 472.0204 Address of Record

Each licensee of the department is solely responsible for notifying the department in writing of the licensee's current mailing address and place of practice, as defined by rule of the board. A licensee's failure to notify the department of a change of address constitutes a violation of this section, and the licensee may be disciplined by the board.

Email changes to psm@freshfromflorida.com



In Memory of

Jerry A. Huntsman, PSM 5202, of Plant City, FL passed away on Tuesday, December 31st.

☪ ☪ ☪ ☪

Robert "Bob" Amos Campbell, PSM 1982, of Seminole, FL passed away on Sunday, January 5th.

☪ ☪ ☪ ☪

John "Roy" Rowland, PSM 4946, of Boca Raton, FL passed away on Sunday, January 26th.

FSMS offers condolences to the family.

THANK YOU 2014 SUSTAINING FIRMS

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Berntsen International, Inc.	(608) 249-8549	MASER Consulting, P.A.	(813) 231-2646
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SURVEYORS & MAPPERS IN GOVERNMENT

by Joe Stokes

As surveyors in government we should be quite familiar with the requirements set forth in Florida Statute 177 Part 3 Restoration of Corners. This statute became law in 1977 in order to protect and preserve the monumentation set during the original surveys. This was accomplished through partnering and support of our society. The declaration of policy is published as follows.

177.502 Declaration of policy.—The Legislature finds and declares that it is the responsibility of the state, and in the public interest, to provide a means for the identification, restoration, and preservation of the controlling corner monuments established during the original cadastral surveys, to which the vast majority of titles to lands in Florida are related and on which they are dependent. All such monuments and evidence pertaining to the original government surveys and resurveys are recognized as historical and economic resources of the state and, as such, are vitally important to the orderly planning, management, use, conservation, and public enjoyment of Florida's natural resources. In order to implement this policy, the department shall assume the responsibility for conducting a program of the identification, restoration, and preservation of such monuments.

At a recent joint chapter meeting of the Central Florida and Volusia County Chapter, Mr. Lamar Evers, PSM, Project Manager for The Florida Department of Environmental Protection spoke to the 53 attendees regarding this subject. After repeated budget cuts during the past few years the funding of the program has suffered. Last year DEP was successful in obtaining funding for the corner protection program. A number of monuments and identification signs have been purchased. At the meeting the City of Orlando volunteered to be a supply repository for the Central Florida area.

The monuments are made of 2½ inch heavy aluminum pipe with a foot and cap ready for stamping STR. There are also magnets in both the top and bottom of the monument for recovery. The 60 inch sign posts are for identifying those corners outside the roadway. Lamar's goal is to get these in the ground! He asks you please take a picture and share it with him at DEP so they can show the products being used. Let's all get behind this effort and do our parts protecting these very important corners.

These section corners are the basis of physical reference to those corners set by the Government Land Office Deputy Surveyors during the 1800's. Many of those monuments have been replaced over the years but still represent the best known evidence of those original corners. Please feel free to contact any of us at the City of Orlando Survey Services Program and we will make these monuments and sign posts available to you.

Feel free to contact me at joe.stokes@cityoforlando.net

The Political Surveyor - Davis-Bacon Misapplied

by John "JB" Byrd
John M. Palatiello & Associates Inc.
NSPS Legislative Consultants

The surveying community is facing the most serious threat to its professional image in decades. The U.S. Department of Labor – without consultation with the community, public notice, or opportunity for public comment – issued an order on March 22nd declaring that members of survey crews are "laborers and mechanics" subject to the controversial Davis-Bacon Act. Since then, I've spent considerable time developing and implementing a strategy and engaging in lobbying to affect a reversal of that policy.

The Davis-Bacon Act is a controversial Depression-era law, with a highly racial origin, that requires the payment of the local "prevailing wage" to "laborers and mechanics" on federally funded construction projects. It applies to prime contractors and subcontractors on direct federal contracts, as well as to state and local governments expending funds through a federal grant or loan.

This prevailing rate of wages is above the minimum wage provided in the Fair Labor Standards Act. One of the controversies over implementation of the Davis-Bacon Act is that while it calls for the "prevailing" wage, how those wages are calculated is not reliable, with allegations by many that the Labor Department imposes the "union wage" rather than a real market-based wage. The nonpartisan Government Accountability Office, the watchdog agency of Congress, has long recommended that Davis-Bacon be repealed.

When issuing its new rule in March, the Labor Department reversed more than 50 years of policy. Since 1955, survey crews have been considered largely exempt. Arthur Goldberg, then-secretary of labor under President John F. Kennedy issued an opinion in 1962 stating that members of survey crews were exempt from Davis-Bacon, except to the extent to which they "perform manual work, such as clearing brush and sharpening stakes," which he said "are not commonplace."

The March 2013 ruling came at the urging of the International Union of Operating Engineers. Ironically, very few survey crew members belong to a union, and even fewer are members of the Operating Engineers. There has been no legislation, court ruling, comptroller general decision, or other governmental action that changed Secretary Goldberg's interpretation.

NSPS has strongly objected to the Labor Department classification of members of survey crews as laborers and mechanics, stating it's "an affront to the surveying profession" and "detrimental to our profession and an inappropriate demotion of valued and skilled employees."

There are many substantive reasons the Labor Department's new policy is erroneous. NSPS administers a "Certified Survey Technician" (CST) program for employees of surveying firms, including those who perform field survey functions. The classification of members of survey crews as "laborers and mechanics" is inconsistent with the CST program and the standard in the surveying community.

Moreover, classification as laborers and mechanics is in direct contrast with the treatment of such workers promulgated elsewhere in the Department of Labor, including the Occupational Employment

Statistics, the Occupational Outlook Handbook, and the Occupational Information Network. The Office of Personnel Management General Schedule Qualification Standard for GS 817 surveying technicians employed by the federal government also considers such workers at a scale well above "laborers and mechanics."

Some people might ask why NSPS would oppose higher wages for survey technicians. In testimony before Congress in a hearing held on June 18th, Curtis Sumner, LS, executive director of NSPS, said, "There is no evidence that members of survey crews are paid substandard wages and no demonstrated need for including such workers in a 'prevailing wage' law, based on Bureau of Labor Statistics data." That Labor Department data shows the mean annual wage for a surveying technician is \$42,680, while the mean annual wage for all occupations in the United States workforce is \$45,790, both figures exclusive of fringe benefits. Surveying technicians' earnings are not substandard, but virtually in the middle range of all United States' workers. The premise of the Davis-Bacon Act – to prevent construction firms from bidding low to win contracts through substandard wages – is not found in the surveying community.

Sumner also informed Congress that implementation of Davis-Bacon "will be an administrative nightmare for surveying firms, contracting agencies, and the Labor Department. The order itself is vague with regard to which members of survey crews, and which activities, and at what phase in a project the surveying service is being provided. This will result in confusion and costly compliance issues." He said that a letter the Labor Department sent to the Operating Engineers Union suggests the Davis-Bacon Act applies to "work immediately prior to or during construction which involves laying off distances and angles to locate construction lines and other layout measurements. This includes the setting of stakes, the determination of grades and levels and other work which is performed as an aid to the crafts which are engaged in the actual physical construction of projects ... The chainmen and rodmen whose work is largely of a physical nature such as clearing brush, sharpening and setting stakes, handling the rod and tape and other comparable activities are laborers and mechanics..."

The act triggers application to a "laborer and mechanic" when more than 20% of the workweek is in the performance of such services on a covered site. Sumner said, "Survey crews are not like construction workers. A survey crew member may be on a construction site a few hours a day, one day a week, and otherwise on a sporadic and intermittent basis, but rarely an entire 40-hour work week. Some work may be preliminary to construction, post-construction, or not related to construction at all. Documenting what

every survey crew member is doing every hour of the work day, determining whether an activity is covered or not covered, construction-related or not, is an expensive, time-consuming and counter-productive burden. The payroll administration required for compliance for a surveying profession dominated by very small businesses is extraordinary."

He said, "The described activities are outdated and irrelevant to today's surveying. The Labor Department attempts to distinguish between licensed professional surveyors, party chiefs, and technicians, such as rod men and chainmen. However, with today's computerized data collectors, survey crews can commonly consist of one person. That individual is certainly exercising judgment and working in a supervisory capacity. Today's surveying technicians are performing services that are mental and managerial in nature and are not 'apprentices, trainees, helpers, and, in the case of contracts subject to the Contract Work Hours and Safety Standards Act.' Therefore, they do not meet the criteria for a laborer or mechanic."

In addition to formally writing the secretary of labor asking that the ruling be repealed, NSPS was successful in securing the June 18th congressional hearing at which it testified. The surveyors' society has led a multipronged strategy to restore classification of survey technicians as an important support cast to the surveying profession. After the hearing, three members of Congress wrote to the Labor Department demanding documents related to the expansion of Davis-Bacon to survey crews. Professional Surveyor Magazine has filed a request for documents under the Freedom of Information Act. A coalition of 13 taxpayer and free market organizations wrote the Secretary of Labor in opposition to the ruling, as did five design and construction organizations.

The issue is not pay, but prestige. NSPS is currently scheduling a meeting with Labor Department officials to press its case for proper classification of valued technicians who support the profession of surveying.

John JB Byrd is the government affairs manager for John M. Palatiello & Associates, a public affairs, association management and consulting firm in Reston, VA. He has more than 10 years of public-policy experience. He is the registered lobbyist for the National Society of Professional Surveyors (NSPS) and the government affairs manager for MAPPS, the national association for private-sector geospatial firms.

Reprinted from the Society of Land Surveyors of Iowa's publication, *Random Lines* November 2013

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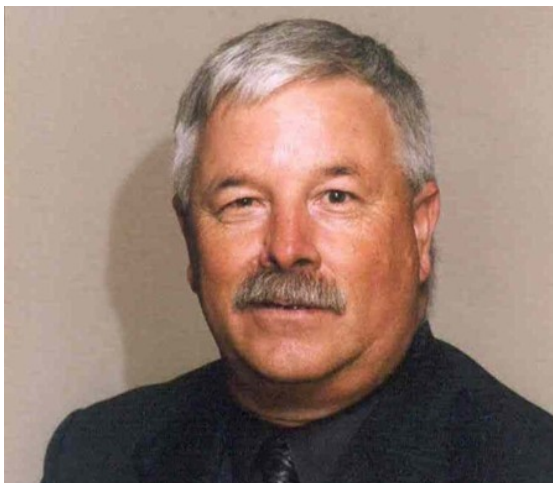
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YOUR COMMITMENT TO YOUR FUTURE

Lanier Mathews, PSM, PAC Chair

Is *your* license to practice surveying and mapping in the State of Florida important to *you*? Is the continued existence of the Surveying and Mapping Profession important to *you*? How about *your* business, employees or fellow employees? If *you* answered yes to any of these questions, then here is one more for *you* to consider and answer. Are *you* a member of the **Florida Surveying and Mapping Political Action Committee**? Actually, there is one more question.... ***If not, why not?***

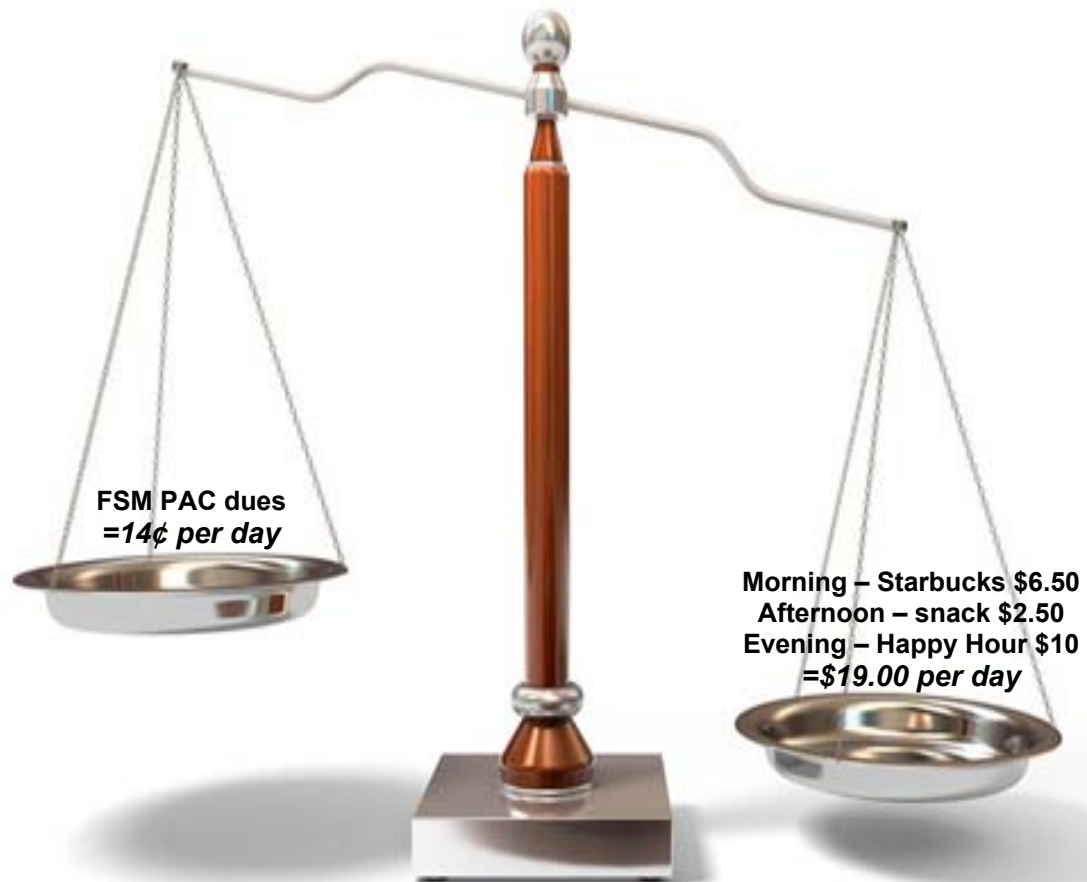
Many articles and email bulletins have been distributed chronicling the Florida Surveying and Mapping Society's successful Legislative activities and endeavors. This representation of you, your businesses as well as your profession, in and before the Florida Legislature, is just one of the many benefits of membership in FSMS. In fact, that one benefit may very well be the reason you are a member of FSMS. However, the legislative program wouldn't be nearly as successful or effective without the Florida Surveying and Mapping Political Action Committee. Although a portion of FSMS dues are spent on lobbying efforts, your dues are not used to provide campaign contributions for candidates seeking election to the Legislature. That is specifically where the FSM PAC comes in. The FSM PAC (formerly The Florida Land Surveyors Political Action Committee) was formed in 1985 as a committee of continuous existence ***"to provide a permanent committee of continuous existence to provide campaign contributions for constitutional office and to assist professional land surveyors and others in organizing themselves for effective political action and in carrying out their civic and professional responsibilities in promoting the continued improvement of state government in Florida."***

As the profession and political environment has

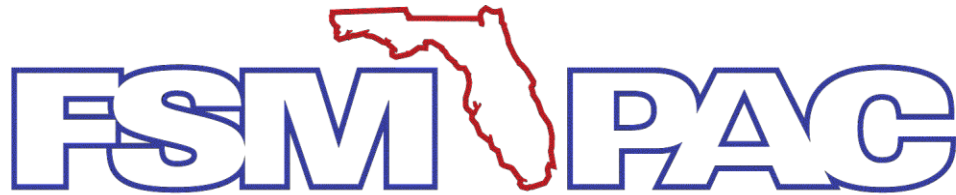
evolved, so has the FSM PAC. What hasn't changed is the commitment of the FSM PAC to support those candidates seeking elected office who we believe will best support us. As with most professional organizations, FSM PAC membership is voluntary and a decision made by individuals and firms to make a ***commitment to insure the future of their profession.*** Without *your* commitment, we cannot succeed. *Your* membership costs as little as 14 pennies a day...that's right, a bronze level membership is just 14¢ a day and will herald *your* commitment to *your* profession.

So...I ask again, are *you* a member of the **Florida Surveying and Mapping Political Action Committee**? There are no good reasons why not to be a PAC member...only poor excuses. Oh by the way, for your added convenience we accept Master Card, Visa and American Express.

Together, we will continue to make a political difference for the successful future of our profession and businesses.



The Future of FSM PAC is in your hands.



FLORIDA SURVEYING & MAPPING POLITICAL ACTION COMMITTEE

01/01/14 - 12/31/14
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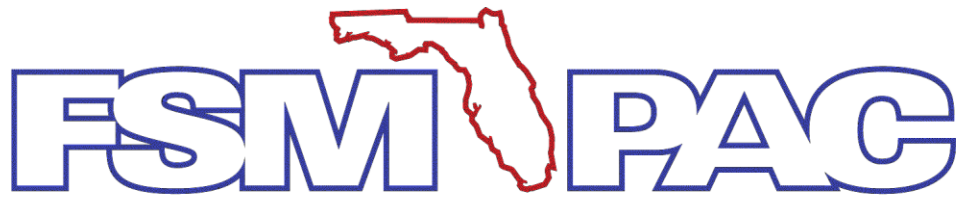
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Bill Beardslee, PSM, PE, PP
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Message from Panel Proponent & Opponent

Jeff Cooner, PSM Ray Niles, PSM and Gail Oliver, PSM

Upcoming Seminar: *A Practical Approach to 5J-17 Minimum Technical Standards for Surveyors with a Panel Discussion (Course #8429)*

This seminar will cover the timeline and evolution of MTS, how rules are made by the Board of Professional Surveyors and Mappers, presentation on the actual rules, and a panel discussion on the rules and their practical application. The purpose of the panel discussion is to educate the attendees from more than one viewpoint, stimulate the thought process on MTS and its practical application, and motivate thinking on the future of MTS.

Point - Jeff Cooner, PSM (former BPSM Member, author of the 2010 MTS Revisions, and an MTS proponent)

Minimum Technical Standards (MTS) has existed in Florida for over 30 years. It is currently a list of definitions, requirements that apply for all surveys and requirements for specific types of surveys. For new members of the surveying profession, MTS provides a helpful framework for self-evaluation of their work. The foundation of MTS is for the surveyor and mapper to use proper professional standards first and then to collect sufficient information and display that information with enough detail so that survey information can be clearly communicated. The Florida Board of Professional Surveyors and Mappers uses MTS as a tool when evaluating minimum criterion for surveys in order to support the protection of the public and consumers (for instance in the prosecution of discipline cases). MTS is not perfect and following MTS does not assure a completely sound survey in all respects (such as a proper boundary solution). MTS cannot be completely eliminated until reasonable replacement is found.

Counter Point - Ray Niles, PSM (FSMS Past President, FDACS BPSM Liaison, and MTS opponent)

The primary purpose of the Board of Professional Surveyors and Mappers is to protect the public by providing assurance that regulated individuals are competent, and providing a means for disciplining regulated individuals who are shown not to be competent. Minimum Technical Standards has not been very successful helping to accomplish this mandate. Protection of the public can more effectively be accomplished by establishing and enforcing professional standards. This is the means by which all other professional boards govern their licensees. In many cases this consists of judgments made by Board Members based on generally accepted standards of practice. The surveying and mapping community provides services that range in scope of practice from mortgage surveys to LIDAR mapping and areas of practice that are only emerging. How are a set of technical product standards going to effectively protect the public while allowing for the inevitable expansion of our area of practice? It cannot and has not to date accomplished this goal. The

answer is to enforce upon the profession the process of truthful and accurate depiction of facts and data. We should not be limited to areas of practice and methodologies for presentation required by MTS. Our goal should be to provide our client a product that meets a legitimate need. Our responsibility to the public and our fellow professionals is to be truthful in our presentation; thorough in our collection of data and the facts, knowledgeable enough in the area we are practicing and honorable in our dealings. I don't believe MTS has been effective in this regard.

What should be in its place? First and foremost "truth in advertising." It is a professional's responsibility to be truthful about the product that is contracted for and finally presented. If in the Boards' opinion the professional violates the public trust in this regard, discipline should take place. Minimum Technical Standards regulates a product, while not addressing what is really important in regard to protecting the public.

Moderated by Gail Oliver, PSM (former BPSM Member, longtime FSMS MTS Instructor, and co-author of the MTS Revisions to include photogrammetrists)

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<http://www.fsms.org/education.cfm>



2014 Education Conference

March 6th – 8th Holiday Inn Lakewood Ranch Sarasota

6231 Lake Osprey Drive Sarasota, FL 34240 ~ 941.782.4400 ~ <http://www.hilr.com/>

	Thursday, March 6th Choose: One 6-hour session OR Two 3-hour sessions <u>8:00 a.m. – 3:00 p.m.</u>	Friday, March 7th Choose: One 6-hour session OR Two 3-hour sessions <u>8:00 a.m. – 3:00 p.m.</u>	Saturday, March 8th Choose: One 6-hour session OR Two 3-hour sessions <u>8:00 a.m. – 3:00 p.m.</u>
All Day	_____ 1. OPUS – Projects (Part 1)*^ (12 General CECs Total) #8133 <i>David Newcomer</i> *Must attend Thursday & Friday Sessions to receive credit. ^You must provide your own laptop.	_____ 1. OPUS – Projects (Part 2)*^ (12 General CECs Total) #8133 <i>David Newcomer</i> *Must attend Thursday & Friday Sessions to receive credit. ^You must provide your own laptop. _____ 2. A Practical Approach to 5J-17 Minimum Technical Standards for Surveyors with a Panel Discussion (6 MTS/L&R CECs) #8429 <i>Jeff Cooner, PSM;</i> <i>Ray Niles, PSM and</i> <i>Gail Oliver, PSM</i>	_____ 1. Mean High Water (6 General CECs) #8431 <i>Scott Britt, PSM and</i> <i>Lamar Evers, PSM</i>
	<u>8:00 a.m. – 11:00 a.m.</u>	<u>8:00 a.m. – 11:00 a.m.</u>	<u>8:00 a.m. – 11:00 a.m.</u>
Morning Sessions	_____ 1. A Consulting Business – The Beginning, The Middle, and The End (3 General CECs) #8409 <i>Bill Beardslee, PSM, PE, PP</i> _____ 2. Professional Liability (3 General CECs) #8430 <i>Claire A. Duchemin, Attorney at Law</i>	_____ 1. Survey Cost Analysis (3 General CECs) #8407 <i>Bill Beardslee, PSM, PE, PP</i>	_____ 1. Using ARCGIS Online and ARCGIS for Custom Mapping (3 General CECs) #8405 <i>Richard Allen, PSM and</i> <i>Dean Hill, CST</i>
	<u>12:15 p.m. – 3:00 p.m.</u>	<u>12:15 p.m. – 3:00 p.m.</u>	<u>12:15 p.m. – 3:00 p.m.</u>
Afternoon Sessions	_____ 1. Client Communication – The Lifeblood of Business (3 General CECs) #8408 <i>Bill Beardslee, PSM, PE, PP</i>	_____ 1. Proposal Writing – An Art and a Science (3 General CECs) #8406 <i>Bill Beardslee, PSM, PE, PP</i>	_____ 1. Data Collection Procedures for Field Crews (3 General CECs) #7888 <i>Pat Meeds, PSM</i>

REGISTRATION

Member	\$145 per day
Member On-Site Registration	\$145 per day
Non-Member	\$200 per day
Non-Licensed in Any State	\$ 95 per day

Total # of Days _____ Total Amount \$ _____

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Testifying as an Expert

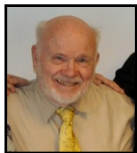
Walt Robillard, Esq, PSM



FSMS Live Seminar
Testifying as an Expert
Tuesday, February 11th
Punta Gorda

8:00 am – 3:00 pm
6 General CECs – Course #8400

This seminar is designed to familiarize the practicing surveyor or engineer with the unique requirements placed on being used as an expert in litigation. Not all professionals should qualify as experts. The instruction will discuss what differentiates experts from the “garden variety” professional and will offer suggestions on how to be an effective and believable witness.



Walt Robillard, Esq, PSM is a Professional Land Surveyor registered in Florida, Georgia, North Carolina and South Carolina. He is a member of the Georgia Bar. He has worked and taught continuing education courses internationally in the areas of real property, law, surveying and forestry. He is an honorary Member of the Florida Surveying and Mapping Society and a member of the numerous state societies. Mr. Robillard is a past president of the American Congress on Surveying and Mapping and is the recipient of the Earl Fennell Award for Education. He was an original member of the Advisory Committee for the University of Florida Surveying program. Mr. Robillard is the co-author of the college textbooks Evidence and Procedures for Boundary Location, Boundary Control and Legal Principles and the legal reference book Clark on Surveying & Boundaries.

Location:

**City of Punta Gorda Community Room at Lashley Park Marina
120 Lashley Court ~ Punta Gorda, FL 33950**

MEMBER: _____ \$150
NON-MEMBER: _____ \$175
NON-LICENSED in Any State: _____ \$80

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Print Name

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

OPUS Projects



FSMS 2-Day Live Seminar
OPUS Projects in St. Augustine
 Tuesday, March 11th AND Wednesday, March 12th

Must attend both days to receive credit.
You must bring a laptop.
SEATS ARE LIMITED! REGISTER EARLY!

8:30 am – 3:30 pm
 12 General CECs – Course # 8133
 Instructor: Dave Newcomer, NGS Advisor

This seminar will train the individual in the use of OPUS-Projects. For several years the National Geodetic Survey has provided users a method of computing survey grade single point GPS positions through the use of the Online Positioning User Service or OPUS. OPUS-Projects is an extension of that online service to provide the user with the knowledge and capability to complete an entire GPS campaign or project on line from downloading the data to least squares adjustment. Access to OPUS-Projects is restricted to individuals who have successfully completed this training. This is a hands-on seminar. You must bring your own laptop.



Dave Newcomer currently serves as NGS Advisor. He is a graduate of the University of Michigan with a degree in Civil Engineering and a concentration in Geodesy. Mr. Newcomer is a licensed Professional Engineer and licensed Professional Land Surveyor in Pennsylvania. He has taught numerous seminars and courses on the global positioning system (GPS) including static GPS, real time kinematic GPS and how the GPS system works as well as courses on the use and adjustment of surveying instruments. He has published "GPS as a Fast Surveying Tool" (American Society of Civil Engineers: Journal of Surveying Engineering, 1990). Mr. Newcomer is a member of FSMS and the American Society of Civil Engineers.

Location:
 St. Johns County Government Complex
 County Administration Building
 500 San Sebastian View
 St. Augustine, FL 32084

MEMBER: \$260
NON-MEMBER: \$320
NON-LICENSED IN ANY STATE: \$160

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Provider No. CE11

www.fsms.org

OPUS Projects



FSMS 2-Day Live Seminar

OPUS Projects

Thursday, March 20th and Friday, March 21st

Must attend both days to receive credit.

You must bring a laptop.

Milton/Pensacola

8:00 am – 3:00 pm CST

12 General CECs – Course # 8133

Instructor: Dave Newcomer, NGS Advisor

This seminar will train the individual in the use of OPUS-Projects. For several years the National Geodetic Survey has provided users a method of computing survey grade single point GPS positions through the use of the Online Positioning User Service or OPUS. OPUS-Projects is an extension of that online service to provide the user with the knowledge and capability to complete an entire GPS campaign or project on line from downloading the data to least squares adjustment. Access to OPUS-Projects is restricted to individuals who have successfully completed this training. This is a hands-on seminar. You must bring your own laptop.



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Location:

Santa Rosa County Public Services Building - Media Room ~ 6051 Old Bagdad Hwy, Room 202 ~ Milton, FL 32583

MEMBER: _____ \$260
NON-MEMBER: _____ \$320
NON-LICENSED IN ANY STATE: _____ \$160

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Retracement Seminar

Florida Surveying and Mapping Society

WHY SHOULD I ATTEND?

Every licensed surveyor has been faced with the dilemma of having **more than one section corner** to choose from when doing a survey. In this seminar you will learn how to collect research data, proof the corners in the field and decide the proper corner. This is a very complex topic; you will be shown examples of the government setting more than one section corner in a retracement. Come and find the answer to this and many other questions concerning the GLO survey system.



Bring your toughest questions to present to your peers!





Retracement Camp

All meals and lodging included!

April 26th - 29th
Begins Friday, April 26th 4:00 pm
Ends Tuesday, April 29th 4:00 pm

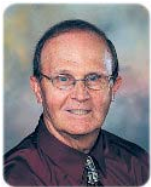
4-H Camp Ocala

Earn 18 General CECs Course #8225

Instructor: Milton E. Denny, PSM

Location: 4-H Camp Ocala, 18533 NFS 535, Altoona, FL 32702

This seminar will cover the foundation of the Public Land System (GLO). It will cover the formation of the system in 1785, included will be the Laws, Administration, Equipment and Instructions of the Public Lands System. Including will be information on the GLO rules related to Florida surveys. This seminar will include both classroom and field work. A workshop manual will be provided to each attendee that will be an excellent resource for your professional library. Learn the basics for retracement of the original Public Land Survey and understand how to walk in the "Footsteps of the Original Surveyors".



Milton E. Denny is a registered surveyor in seven states, and a veteran of surveying, mapping and GIS. He is a past president of the Alabama Society of Professional Land Surveyors, a Fellow in the American Congress on Surveying and Mapping and served for many years on the Board of Direction. Mr. Denny is the author of many manuals dealing with surveying, mapping and GIS. He is a nationally known speaker and lecturer on these subjects and writes a column called "The Business Side" for a trade magazine. He was instrumental in the starting of a new member organization in the American Congress on Surveying and Mapping called the "Geographic and Land Information Society" and he served as the first president. Mr. Denny recently finished publishing a book on the history of surveying measurement *Surveying The Land: Survey Measurement Devices 1620 to 1920*. He also does a first person presentation of the Colonial Surveyor Andrew Ellicott. Since retirement he has formed the firm of Denny Enterprise, LLC to better serve the surveying and mapping community. He teaches for Auburn University on basic and advanced surveying for the Alabama Department of Transportation. He is considered an expert on original GLO surveys, their accuracy and tools used to perform the surveys.

Member/Sustaining Firm Member - \$750 Non-Member - \$900 Student - \$375

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Provider No. CE11

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What's New?

- **Basics of Real Property, #8359, 3 General CEC**
- **Contracts for the Professional, #8411, 3 General CEC**
- **Elevation Certificates and the Community Rating System, #8257, 3 General CEC**
- **A History of the Prime Meridian Marker, #8403, 3 General CEC**
- **Writing Boundary Descriptions, #8361, 3 General CEC**

Step 1: Choose Course(s)

- 5J-17 Minimum Technical Standards (MTS), #6962, 6 MTS/Laws & Rules CEC**
- A History of the Prime Meridian Marker, #8403, 3 General CEC**
- ALTA/ACSM Land Title Survey Standards, #6963, 6 General CEC**
- Basics of Real Property, #8359, 3 General CEC**
- Boundaries in Florida, #7667, 6 MTS/Laws & Rules CEC**
- Chapter 177, Platting (Plat Law), #6970, 6 MTS/Laws & Rules 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, 3 General CEC, ONLY AVAILABLE BY MAIL**
- Elevation Certificates and the Community Rating System, #8257, 3 General CEC**
- Florida Laws, #6966, 6 MTS/Laws & Rules 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**
- Geometría Práctica Para Topógrafos Y Agrimensores, #7109, 6 General CEC**
- Professional Ethics for the Professional Surveyor and Mapper, #7969, 3 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**

Step 2: Choose Member Type

FSMS Member

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

Non-Member

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

Non-Licensed in ANY State

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

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Publication Survey

We Need Your Feedback

Articles:

	Poor				Excellent
• How would you rate the selection of articles in <i>The Florida Surveyor</i> overall?	1	2	3	4	5
• How would you rate the presentation/design of the articles?	1	2	3	4	5
• How would you rate the variety of articles?	1	2	3	4	5
• Which is/are your favorite article(s) or article topics(s)? _____					

Cover:

- How would you rate the appearance/appeal overall?..... 1 2 3 4 5

Overall Publication:

- How would you rate *The Florida Surveyor* overall?
- How would you rate the design (colors, setup, visual appeal) of the publication?
- How would you rate the information provided (Chapter info, Calendar, etc.)?

What article topics would you like (more of)? _____

Is there any other information you would like included in the publication? _____

Other Comments: _____

Please complete and return to programs@fsms.org or fax to 850-877-4852
Thank you!

We are Helping You Stay Connected

With the current state of the economy, the value of membership in FSMS is greater than ever. This is a critical time to stay part of the community of surveying and mapping to support and be supported by your peers.

Our monthly membership installment payment plan is available to everyone.

Prefer to Pay Your Dues in Installments?

Quarterly – You may pay your state dues on an installment plan of 4 months (January, April, July, September); however your Chapter dues must be paid in full with the first installment payment and all payments must be received before September 30th, 2014.

Monthly – Your annual dues will be divided into 9 monthly payments and automatically charged to your credit card on the 15th of each month. (For example, for a Full member the monthly amount will be \$31.12 per month.) Chapter dues must be paid in full with the first installment payment.

To set up your monthly payment plan, call
800.237.4384.

Congratulations UF Grads!



ELI DONALDSON

ALIAKSEI HILIOU

CHRISTOPHER JENNINGS

STEVEN SUEN

JOSEPH LATVIS

Surveying Websites

American Surveyor <http://www.amerisurv.com/>

BLM GLO Records www.glorecords.blm.gov

County Surveyors www.naco.org

Engineering Ministries International www.emiworld.org

FEMA www.fema.gov

www.findgis.com

Florida DACS <http://www.freshfromflorida.com/>

Florida Legislature Online Sunshine www.leg.state.fl.us

Florida Memory www.floridamemory.com/photographiccollection

FSMS www.fsms.org

GSS Geomatics Info Center www.GSSGeomatics.com

LABINS www.labins.org

National Geodetic Survey www.ngs.noaa.gov

National Museum of Surveying www.surveyingmuseum.org

Space Weather Prediction Center (National Oceanic Atmospheric Administration) <http://www.swpc.noaa.gov/>

NCEES www.ncees.org

NSPS www.nspsmo.org

POB www.pobonline.com

South Florida Water Management District Benchmark www.sfwmd.gov

Southwest Florida Water Management District www.swfwmd.statefl.us

Statewide Official Records www.MyFlorida.com

Surveying History www.surveyhistory.com

UF Geomatics Program <http://sfrc.ifas.ufl.edu/geomatics/>

UF Geomatics Student Association <http://sfrc.ifas.ufl.edu/geomatics/gsa.htm>

US Coast Guard Navigation Center www.navcen.uscg.gov

US Forest Service GPS Home Page www.fs.fed.us

Virtual Museum of Surveying www.surveyhistory.org

Snapshots of Our Family

Send photos to programs@fsm.org.

Jonathan Nobles, son of Allen & Pam



Jackson's Merry Christmas with Grandpa Mike & Grandma Suellen



Gail Oliver with granddaughters, Olivia and Ava on Disney Cruise



Tyler Tracz's newest addition, Katelyn



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every step of the way



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Increase your bottom line? Challenge accepted.

NEI has innovative customized solutions, products, advanced training & insights you need to stay on top of the surveying world.

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as little as \$710 per
month. (not including tax,
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NEI Bundles include:

- S3 Robotic Total Station
- TSC3 with Trimble Access Field Software & Accessory Kit
- 360 Passive Prism Target
- Batteries, Charger & Vehicle Adapter Package.



Why do they call it a “claymore mine?”

The “M18A1 Claymore” is a directional anti-personnel mine used by the U.S. military. You may recognize it as a horizontally curved green plastic case with the words “front toward enemy” outwardly stamped upon it. It was first used in the Vietnam War and unlike a conventional land mine that you stepped on to set off, the Claymore is fired by remote control and shoots a pattern of metal balls forward into the kill zone like a shotgun. The inventor, Norman MacLeod named the mine after a large Scottish two-handed medieval sword known as a “Claymore.”

Why is wanting something more for less known as “more bang for your buck?”

In 1953, then President Dwight D. Eisenhower faced a bit of a dilemma. He was a five-star general in World War II and was inclined to increase defense spending especially with the perceived threat of communism, but he was also a Republican which pushed him to want to cut spending. The solution that the US Joint Chiefs of Staff came up with, which they titled the “New Look,” was a policy of using nuclear weapons in any conflict bigger than what they called “a brush-fire war.” That allowed them to radically reduce the numbers of servicemen and replace them with the comparatively inexpensive atomic bombs. It was described as the “bigger bang for your buck” theory. This was an adaptation of Pepsi-Cola’s “More Bounce to the Ounce” slogan, which was introduced in 1950. The current form of the phrase, which has lost its nuclear connotations, is now “more bang for your buck.”

Why is someone doing something without interest said to be “lackadaisical?”

“Lackadaisical” may now be a single word but, in its original form, it came from a phrase, ‘albeit by a circuitous route,’ or ‘alack a day.’ It was used first by Shakespeare in *Romeo and Juliet*, 1592, on Romeo’s mistaken belief that Juliet had died: “She’s dead, deaceast, she’s dead: alacke the day!” Alack itself can be broken down into the exclamation “Ah” and “lack,” which then meant failure or shame. “Alack-a-day” was recognition of woe or regret at some unfortunate occurrence. “Alack-a-day” eventually was shortened into “lack-a-day” and soon after extended to become the more fanciful “lack-a-daisy.” “Lackadaisical” displays an effort to summarize an entire paragraph’s worth of meaning in a single phrase. To translate from the basic parts that it is built from, it now means “in the manner of someone who, for all of the day, exhibits a sense of languid dissatisfaction of some failure or fault.”

Why is someone who promotes a favorable interpretation of events known as a “spin doctor?”

First we need to go back to yarn in the early 1800’s. Up until then yarn was just yarn, but in 1812 James Hardy Vaux’s wrote a book called, *A new and comprehensive vocabulary of the flash language*. In it he states: “Yarning or spinning a yarn, signifying to relate their various adventures, exploits, and escapes to each other.” From that, sailors and other storytellers began to be known for “spinning yarns.” So, “spin” became associated with telling a story.

Quick Facts:

- The first woman professional artist in America was Henrietta Johnston. She began as a portrait artist in Charles Town (now Charleston) South Carolina in 1707.
- William Taft had a special oversized bathtub installed in the White House because he weighed over 300 pounds.
- The Statue of Liberty is actually in the territorial waters of New Jersey, not New York. New York took political control of it in 1834, but it is still in New Jersey’s waters.

- Despite what we might see in the movies, tomahawks were almost never thrown.
- If all of the wood, coal and oil on Earth were burned to produce energy, it would only equal the potential energy contained in a few days’ worth of sunlight.
- Marie Curie is the only two-time recipient of the Nobel Prize, once in physics (1903), and again in chemistry (1911).
- Abraham Lincoln used his black top-hat to carry letters, bills, and notes.
- Of the more than \$50 billion worth of diet products sold every year, almost \$20 billion are spent on imitation fats and sugar substitutes.
- Fortune cookies weren’t invented in China. They were invented in the United States, as were egg foo young, chow mein and chop suey.
- 80% of millionaires drive second-hand cars.
- If California was a country, it would be the 5th largest economy in the world.
- To survive the cold of winter months, many insects replace their body water with a chemical called glycerol, which acts as an “antifreeze” against the temperatures.
- Beetles account for one quarter of all known species of plants and animals. There are more kinds of beetles than all plants.
- A third of the world’s people live on less than \$2 a day, with 1.2 billion people living on less than \$1 a day.
- Honeybees have to make about ten million trips to collect enough nectar for production of one pound of honey.
- One of the most celebrated artists in the world, Pablo Picasso was so poor early in his career that he stayed warm by burning some of his drawings.
- The term for when dogs scratch their butts by dragging them across the floor is called “sleigh riding.”
- A father sea catfish keeps the eggs of his young in his mouth until they are ready to hatch. He will not eat until his young are born, which may take several weeks.
- A woodpecker can peck twenty times a second.
- The U.S. government commandeered 40% of all pickles made in the U.S. during WWII so that they could be used in rations for the soldiers.
- During World War II, the very first bomb dropped on Berlin by the Allies killed the only elephant in the Berlin Zoo.
- The word “bozo” derives from the French slang term “bouseaux” (meaning “hick, peasant, or yokel”). However, bouseaux literally means “cow turds.”
- The total population of the Earth at the time of Julius Caesar was 150 million. The total population increase in two years on Earth today is 150 million.
- The Greeks had a word that meant “with armpits smelling like a he-goat”: *tragomaskhalos*.
- Mike Moraal, of British Columbia, squirted milk from his eye a distance of 8 ½ feet on French television on September 7, 2001.
- There is actually no such thing as a “fire truck.” There are ladder trucks, tankers, tower trucks, rescue trucks and engines, but no “fire trucks.”
- Although there are 30,000 species of edible plants, 90 percent of the world’s food comes from just 20 of them.

Send your thoughts to drmjw@aol.com

Calendar of Events

February 11th
Seminar - Testifying as an Expert
Instructor - Walt Robillard
Punta Gorda

February 28th
FSMS Board of Directors Meeting
Lakeland

March 6th-8th
2014 FSMS Education Conference
Sarasota

March 11th-12th
OPUS Projects 2-day Seminar
St. Augustine

March 16th-22nd
Surveyors' Week

March 20th-21st
OPUS Projects 2-day Seminar
Milton/Pensacola

April 26th-29th
Retracement Camp 2014
Ocala

May 16th
FSMS Board of Directors Meeting
Tallahassee

August 11th-13th
FDACS BPSM Meeting
Ponte Vedra Beach

August 13th-17th
59th FSMS Annual Conference
*Sawgrass Marriott Resort & Spa
Ponte Vedra Beach*

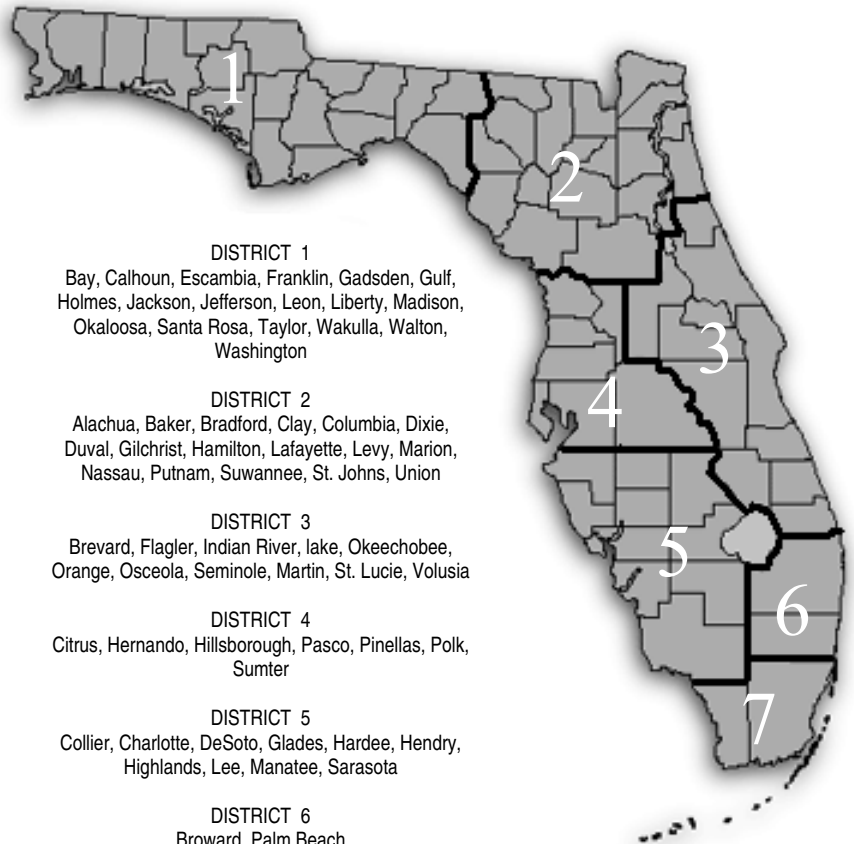
September 15th-16th
8th Annual Central Florida GIS
Workshop
Orlando

September 17th-20th
Rendezvous 2014
Mobile, AL

November 4th-6th
FDACS BPSM Meeting
St. Petersburg

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