



THE FLORIDA SURVEYOR

January 2021
Volume XXIX, Issue 1

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From the Archives

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PRESIDENT'S message

Welcome to the year 2021, and good riddance to 2020!!!

What a year 2020 has been – we have all learned “social distancing”, ALWAYS to have a mask in our pocket, how to use new software like Zoom or Teams to run meetings, and how to work from home.

I am amazed at how our profession has grown and adapted to this new work environment. At my company we transitioned to working from home, almost overnight, with minimal disruptions in workflows.

For FSMS, 2020 has been a very disruptive year, with canceled chapter meetings, chapter events, and our annual conference. Our Society has adapted well using Zoom for Board meetings, and many chapters have had success with Zoom chapter meetings.

As I write this, the COVID vaccines are being distributed and administered, and many more doses are on the way. With any luck, COVID will be under control within a few months, and we can return to a “new normal”.

Where do we go from here?

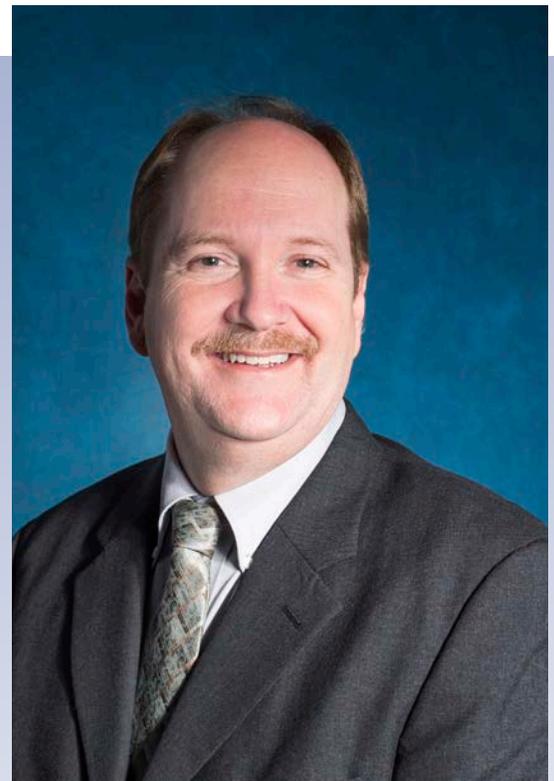
For FSMS, our first 2021 Board Meeting is going to be remote, as the last few have been. Hopefully later in the year we can return to in person meetings.

Our chapters are the life blood of FSMS, and 2020 was very hard on chapter meetings and events. For 2021, my goal is to support chapter meetings and events. Good speakers make for good chapter meetings, and chapter events or joint chapter meeting bring people together from larger local areas.

We are going to continue to have battles on the legal front – Ligado is still pushing for use of radio spectrum that will interfere with GPS signals, and the FAA has issued new rules for drones that require Remote ID for all (new and existing) drones.

On a brighter note, our 66th Annual FSMS Conference is ON SCHEDULE, so please mark your calendars for July 28-31, and join your fellow professionals and technicians at the Marriott Resort Sawgrass, in Ponte Vedra Beach, Florida.

Please plan to join us at the Annual FSMS Conference and go to your chapter meetings!!! 2021 is going to be a GREAT year for FSMS and our profession.



President

Hal Peters

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Now considering PSM / PLS candidates for job openings in two locations (Port Orange, FL & St. Johns/Duval County FL)

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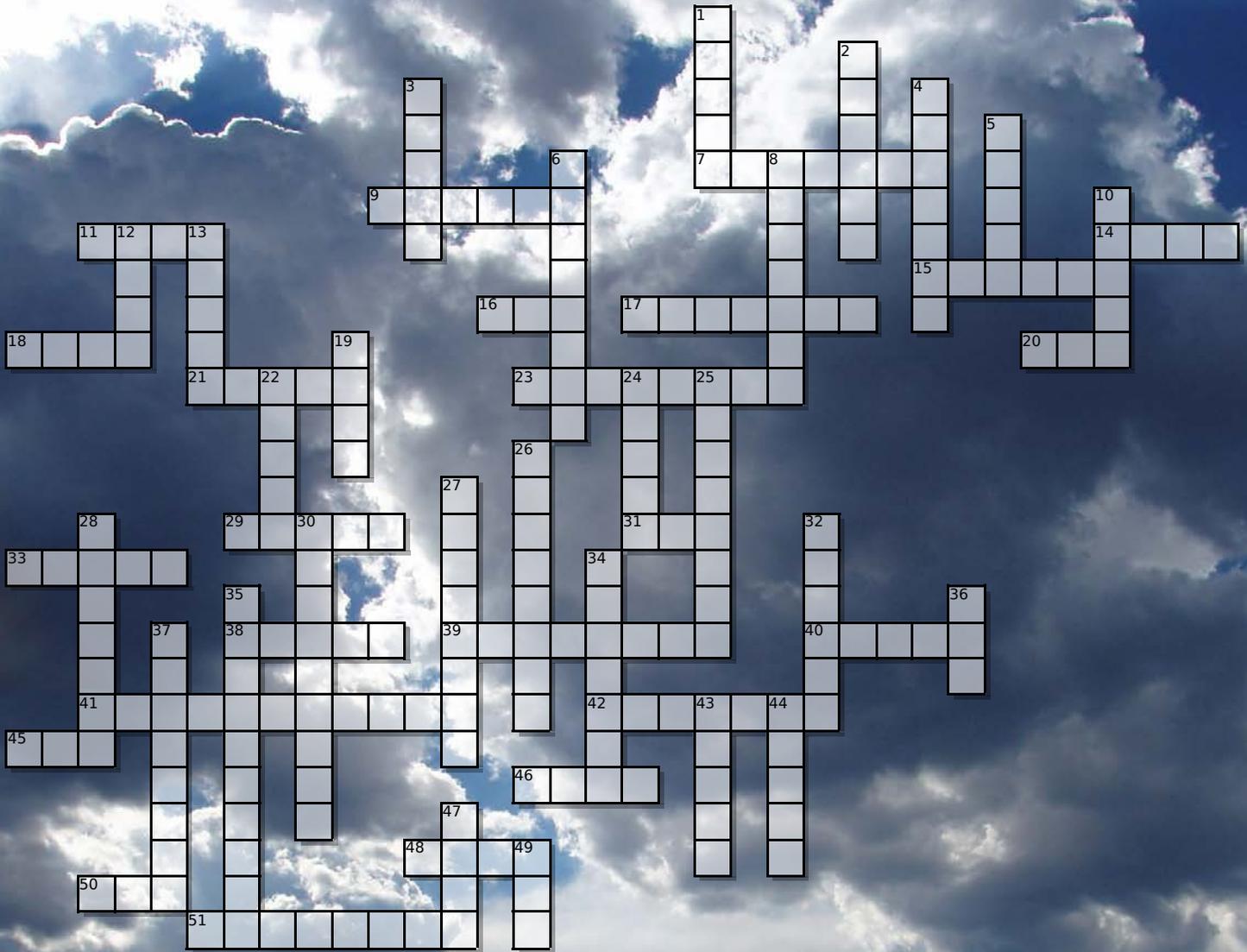
For more info please contact Tony Bazile via email Tbazile@sligerassociates.com

Print and complete the crossword, return to communications@fsms.org by January 31, 2021. The first three correct responses will receive a prize!!



Survey Terms

by Mike Whitling



ACROSS

- 7 A metric unit of area equal to 2.471 acres.
- 9 To deprive
- 11 To touch
- 14 Tides of decreasing range occurring semimonthly
- 15 To affirm to be true or genuine
- 16 A stratum in the earth's crust
- 17 Reversion of lands
- 18 A unit of linear measure
- 20 A road, street or other passage
- 21 Above
- 23 Rate of rise or fall
- 29 Mark on a tree
- 31 Representation on a plane surface
- 33 As if
- 38 Unit of length
- 39 North, south, east and west.
- 40 Land which is covered and uncovered by tide
- 41 A withdrawal, usually of a permanent nature
- 42 Land situated above ordinary high water
- 45 Directly or exactly
- 46 A parcel of ground set apart for a specific use
- 48 Series of contiguous townships situated east and west of each other
- 50 Land not described as an aliquot part of the section
- 51 Imperfect; partial; unfinished

DOWN

- 1 Unit of linear measure
- 2 A body of land
- 3 figure of the earth considered as a mean sea-level surface
- 4 Lands surveyed in conflict
- 5 Zone of land of indefinite width
- 6 An ordinary steel pocket tape marked in chains or feet
- 8 To oppose, resist, or dispute a case
- 10 Application to acquire title to public land
- 12 Continuous margin
- 13 A slope
- 19 A reference to
- 22 Word of mouth
- 24 A defined reference for survey measurements
- 25 Stopping of a person from asserting a claim
- 26 Everything which is the subject of ownership
- 27 Neighborly
- 28 A bottom of sand, stone or rock mixed together and rising towards the surface of the water
- 30 A statement of facts
- 32 Latin word meaning against
- 34 Exact number of times
- 35 To grow or increase
- 36 An estate of inheritance clear of any limitation
- 37 A summary
- 43 An obsolete term for chaining pin
- 44 To take exception
- 47 An embankment or barrier constructed to hold water out
- 49 Unit of linear measure

FSMS SHOUT OUT



Photo by: Ray Hennessy



THANK
YOU
DON ELDER
FOR
LEADING
FSMS
THROUGH
A
VERY
CHALLENGING
YEAR!

NEWS RELEASE

Trimble Business Center Streamlines Point Cloud Workflows and Adds Vertical Applications Enabling Survey and Mapping Professionals to Maximize Productivity

Latest Software Release Allows Users to Start and Stay in One Office Software

SUNNYVALE, Calif., Dec. 17, 2020—Trimble (NASDAQ: TRMB) announced today version 5.40 of Trimble[®] Business Center office software, which adds new automation and integrates additional data types to generate compelling deliverables. In addition, new subscription options also lower the point of entry—increasing the accessibility and scalability for survey, mapping and engineering businesses.

Automated 3D Point Cloud Extraction

As the capture and processing of rich 3D point cloud data becomes more common, tools to efficiently extract information are critical to maximize productivity. To satisfy this need, Trimble Business Center 5.40 introduces eCogAI[™] software library, a fusion of Trimble's eCognition technology and state-of-the-art Deep Learning AI, which automates the extraction of information from 3D point cloud data. The powerful new tools dramatically reduce the time to create CAD and GIS linework and objects that are used to generate topographic plans, surface models and GIS database layers.

Civil Infrastructure and Tunneling Applications Provide Additional Data Types

Trimble Business Center 5.40 introduces a new Monitoring module that integrates deformation information from Trimble T4D Control[™] software. The new capabilities provide surveyors with the ability to view all relevant survey data within a single project environment, enabling quicker and more informed decisions for civil infrastructure and mining applications.

For tunneling applications, enhancements to the Tunneling module allow surveyors to rapidly compare 3D point cloud data of the construction progress with the tunnel design. With an automated tunnel extraction routine and detailed mesh comparison models, the new capabilities significantly reduce the effort to generate highly graphical as-built reports to enable rapid construction verification.

New Subscription Plans

The new subscription plans enable businesses to more effectively manage and control their operating expenses. With new license management tools, administrators can assign licenses to individuals—efficiently matching software capabilities to personnel skills and project needs.

“With the addition of Monitoring and Tunneling modules and the new feature extraction capabilities, customers now have access to powerful new tools that enable them to start and stay in one software,” said Tim Lemmon, marketing director, Trimble Geospatial Software. “The new subscription plans make Trimble Business Center even more accessible for survey and construction professionals, allowing them to better manage and scale their capabilities as their business grows.”

Availability

Trimble Business Center version 5.40 is now available through Trimble's Geospatial Distribution Partners. The subscription plans are expected to be available in the first quarter of 2021. For more information, visit: geospatial.trimble.com/tbc.

—more—

About Trimble Geospatial

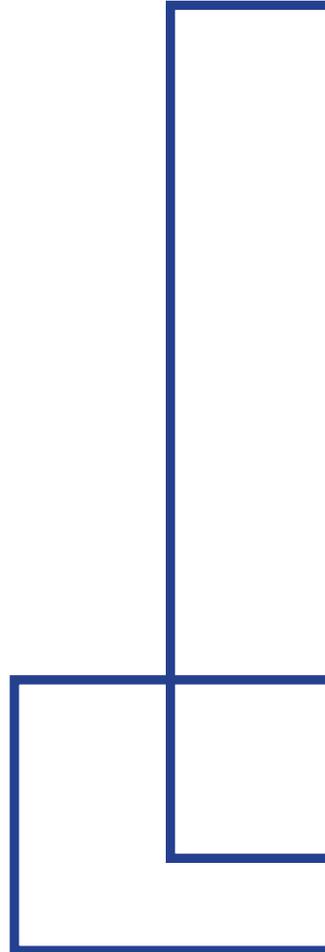
Trimble Geospatial provides solutions that facilitate high-quality, productive workflows and information exchange, driving value for a global and diverse customer base of surveyors, engineering and GIS service companies, governments, utilities and transportation authorities. Trimble's innovative technologies include integrated sensors, field applications, real-time communications and office software for processing, modeling and data analytics. Using Trimble solutions, organizations can capture the most accurate spatial data and transform it into intelligence to deliver increased productivity and improved decision-making. Whether enabling more efficient use of natural resources or enhancing the performance and lifecycle of civil infrastructure, timely and reliable geospatial information is at the core of Trimble's solutions to transform the way work is done. For more information, visit: geospatial.trimble.com.

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—30—

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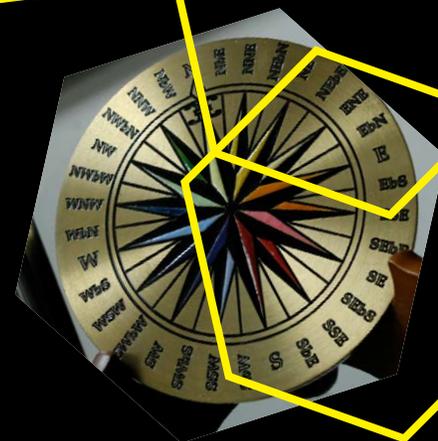
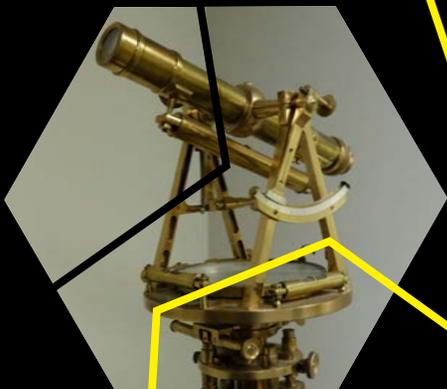
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- **Basics of Real Property, #8359, 3 CEC**
- **Digital Signatures for Surveyors, #8491, 3 CEC**
- **Easements and Rights of Ways, #9945, 3 CEC *2020 UPDATED COURSE**
- **Elevation Certificates and the Community Rating System, #8257, 3 CEC *2020 UPDATED COURSE**
- **Introduction to Photogrammetry, #7887, 3 CEC**
- **Quality Assurance/Quality Control for the Design Professional and Technical Staff, #9293, 3 CEC**
- **Writing Boundary Descriptions, #8361, 3 CEC *2020 UPDATED COURSE**

6 Hour Courses Available

- **Boundaries in Florida, #7667, 6 CEC**
- **Chapter 177, Platting (Plat Law), #6970, 6 CEC**
- **Critical Communication for Surveying & Mapping Professionals, #7228, 6 CEC**
- **Ethics for the Design Professional, #8620, 6 CEC**
- **Florida Laws, #6966, 6 CEC**
- **Florida Surveying Law and Rule Changes, #9574, 6 CEC**
- **Geographic Information Systems (GIS), #7107, 6 CEC**
- **History of Surveying, #7108, 6 CEC**
- **Identification of Native and Non-Native Trees in Florida, #7874, 6 CEC *2020 UPDATED COURSE**
- **Land Tenure and Cadastral Systems, #7829, 6 CEC**
- **Map Projections and Plane Coordinate Systems, #7669, 6 CEC**
- **Practical Geometry for Surveyors, #7109, 6 CEC**
- **Public Land Survey System, #6979, 6 CEC**
- **Remote Sensing Applications to Surveying & Mapping, #6972, 6 CEC**

FSMS Correspondence Courses

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3 CEC	\$58 Per Course	x _____ = \$ _____	
<i>MAILED</i>			
6 CEC	\$125 Per Course	x _____ = \$ _____	
3 CEC	\$68 Per Course	x _____ = \$ _____	
TOTAL			\$ _____

Non-Member

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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 _____ = \$ _____	
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TOTAL			\$ _____

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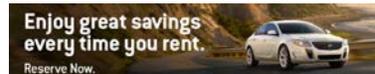
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- Georgia Technical Standards for Property Surveys- Course #8554
- History of Surveying - Course #7140
- Identification of Native & Non-Native Trees in Florida - Course #8132
- Ethics for the Design Professional - Course #8621
- Land Tenure & Cadastral Systems - Course # 8260
- Map Projections & Plane Coordinate Systems - Course #8261
- Mean High Water Observations & Computations - Course #8262
- Public Land Survey System - Course #7147
- Remote Sensing Applications to Surveying & Mapping - Course #7148
- Practical Geometry for Surveyors - Course #7141

3 General CEC - \$49/course (members) \$70/course (non-members)

- Basics of Real Property - Course #8360
- Contracts for the Professional- Course #8412
- Elevation Certificates & the Community Rating System - Course #8256
- Introduction to Photogrammetry - Course #7968
- Writing Boundary Descriptions - Course #8362

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FROM THE



ARCHIVES



Something Needs to be Done!

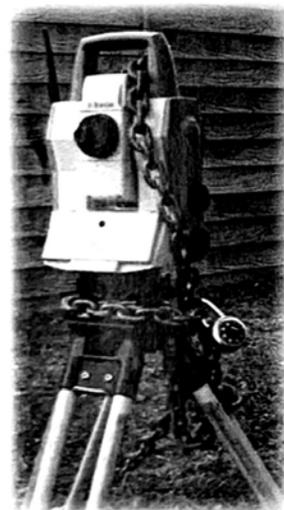
Richard D. Pryce, PSM

As Surveyors, our equipment has always taken on the role of just being there whenever we needed it. Surveyors in general are a trusting bunch of down home, honest, hard-working, individualistic old salts that just want to do our job to the best of our ability and maybe find something from the past that will help to prove where we've laid out a property line. We become so focused on what we are doing out in the field that we tend to be oblivious to what's going on around us.

That focus has served us well over the years and has taken on a life of its own when we are working. The Surveyor becomes a true multi-tasker, shifting from writing notes, looking for evidence, yelling at rodmen, watching for wandering cars, chopping the line, listening to the hum of the Schonstedt, digging that hole a little deeper, and beating off the hordes of bloodsucking insects that want to ruin our day. But that focus, which gives us such an advantage in surveying, has become a flaw in our otherwise armor-plated exterior, at least in south Florida.

We have become the victims of our own devices because of

the cunningness of our new nemesis, the thieves that want to rob us of our trusted friends, the tools of our trade and our livelihood, our instruments. Thieves follow us around, lurking in the background, watching us from a distance, waiting for the right moment to pounce, when our focus is on other more important matters: our work. They come like bandits in the night, most are never seen, just the evidence that they've struck again; broken glass, a punched in truck lock or even just turning around to get another backsight that's no longer there. The ones that are seen are usually just a fleeting glimpse, the



color of a truck, the construction worker with a vest walking near the instrument, or someone leaning out of a truck as it comes close to the instrument and just doing a snatch and grab on the run. They've also been bolder in the past, carrying guns, knives, and machetes, anything that they can threaten the instrument person with so we will release our hold on our precious tools. There's nothing that compares to having someone threaten your life or the life of your staff for a piece of metal. And after that kind of experience, try to remember a face or the color of the vehicle or even a license tag number.

We know most of the stolen equipment is not staying locally; it's going to Central and South America since the manufacturers have stopped marketing there. Very few items appear in Pawn Shops or on the Web; however, what we are

seeing are anonymous ads offering to buy Survey equipment for cash, and offering to come pick it up wherever. They even list the makes and models they want so they are telling the thieves what to target, GPS, total stations, robotic, etc. Numerous complaints and requests to have law enforcement shut down these operations on EBay and Craigslist have been met with pretty much the same answer; what they are advertising is not against the law, they need proof that a crime has been committed. The websites are not responsive either.

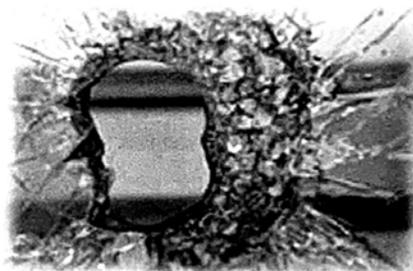
We've done everything we can to support and inform law enforcement of our predicament, with crime reports, databases, maps, TV news reports, our own eye witnesses, watching websites like EBay and Craigslist, making calls to Pawn shops and offering to help with sting operations. We've even sent out mug shots of known thieves that have been released on bond so that someone may identify them again in the future. All of this has been for naught, for law enforcement that we entrust with our hopes and wishes that this nightmare will end soon, cannot do much of anything about stopping these random thieves that have cost Surveyors in Florida alone more than 3 million dollars in equipment in the past eight years. Local Law Enforcements' hands are tied. We've even gone to the top, the Governor's Office, to get a Special Agent from the Florida Department of Law Enforcement (FDLE) assigned to us to help coordinate between local law enforcement agencies, but even that has not been the cure all for this. We had a slight reprieve in 2006-2007 when there was a grant given and a special task force was put together. They caught numerous people and put them behind bars and we thought it was over. But those funds have dried up, so we're back to square one. With the economy in such bad shape, there's little chance of getting any grants or task forces again in the near future.

So, what more can we possibly do that we haven't done already?

We've set up a network of people to call or email as soon as the theft happens.

We send out email alerts almost in real time so that other surveyors working in the same area have some advance notice of what just transpired and who or what they should be on the lookout for. We have our own Crime

Report form completed after every reported incident and then emailed to our Survey Society and then someone there enters the data into our own extensive database of all of the crimes from 2002 to the present. That same database then



goes into a GIS system and every crime location is mapped and distributed periodically to all surveyors and law enforcement agencies upon request. We've met with equipment manufacturers and had pin codes installed with some of our equipment to prevent them from being used without the code. What seemed like a really good idea and even helped us get some equipment back has not deterred the thieves. In some instances we've found it necessary to hire off-duty policemen, charging the client for the guard fees. We also take pictures of suspicious vehicles that come into our area while we are working. We've had some very big survey firms put a lot of thought and money looking for solutions, such as creating lock boxes for survey trucks to store our prized possessions when not in use, only to have some of them get broken into. We've looked at GPS tracking devices, which are usually too big to mount on the equipment or in their boxes but are getting smaller and smaller and may be a real option soon. The best tracking devices we've seen so far send out radio signals as opposed to GPS and are not deterred by being in a box or a vehicle. It has to be able to track in real time, so that as soon as the device gets stolen, someone on the internet can follow the thieves without their knowledge and eventually nail the person(s) buying the equipment thereby drying up the demand. No, we haven't stopped them, maybe slowed them down a bit. Remember there's always another surveyor out there inflicted with that "focus" flaw we spoke about earlier, and that's all the thief needs for an edge.

A recent suggestion comes from one of our own, a frustrated Survey business owner whose crew just thwarted another attempted theft, but damaged the equipment in the process, thus he still lost the use of it and any meager profit he had built into this particular job. He was beside himself on the phone, as is everyone that's been in these situations,

insisting that "Something needs to be done before someone gets hurt or killed". His suggestion: that every company put up some money as a fund to help push a Law Enforcement solution to this ongoing nightmare. Money does talk, and I think it's a good suggestion and something we all should consider, especially those companies in South Florida where more than 89% of the reported crime is occurring. But, I'm not sure there's enough companies willing or able to put money into a fund during this cur-

rent economic crisis, a fund that may or may not work on a permanent basis, a fund that would have to get resupplied on a regular basis and recognized by the very law enforcement agencies that we want to help solve the problem. Maybe, if this crisis were hitting everyone in Florida the same, as it is in the southeast portion of the state (Dade, Broward & Palm Beach). But it's not, so let's not fool ourselves into thinking that it's going to happen in any superman fashion. Our



only real defense against this onslaught is being constantly vigilant and training and re-training our crews to be alert on every single job, to never leave the truck or the equipment un-attended or unlocked. Always pay attention to your surroundings and watch as you're driving to and from the jobsites as you may be being followed, and above all else, be suspicious of everyone around you.

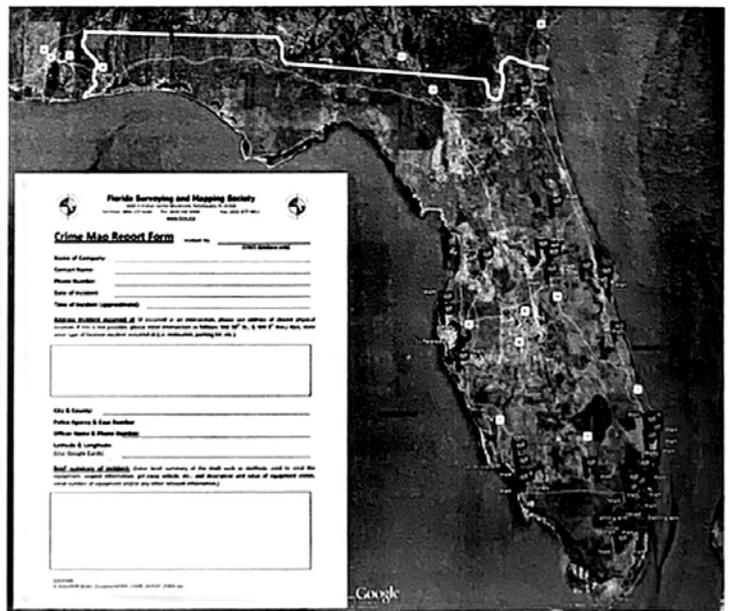
We don't have enough stress just dealing with the economy, now we have *this* to contend with for the foreseeable future.

"Something does need to be done," and we all need to be part of the solution, not just those affected. This is a Survey problem that needs a solution, a collaboration amongst law enforcement, manufacturers, construction companies, FDOT, the State, County and Local agencies, Real Estate, and the Surveying profession as a whole. It's not just happening in Florida, and

we aren't the only state affected. We all have ideas that can be sent to our Directors, maybe one of the 4000+ surveyors or companies in Florida can come up with a real solution. Maybe it is just money

that needs to be invested in our future, a true partnership with Law Enforcement. One thing's for sure, we are all in this together, and I can't think of another bunch of guys and gals that are better suited to find a solution.

We have a proud heritage to protect and we are following in the footsteps of Giants!



Photos complimentary of Biscayne Engineering, Rick Pryce and Google.

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Regional Coordinator

Cathy Campanile
seminolecc84@gmail.com



What the new year brings
to you will depend a great
deal on what you bring
to the new year.

Vern McLellan

INSPIRATION

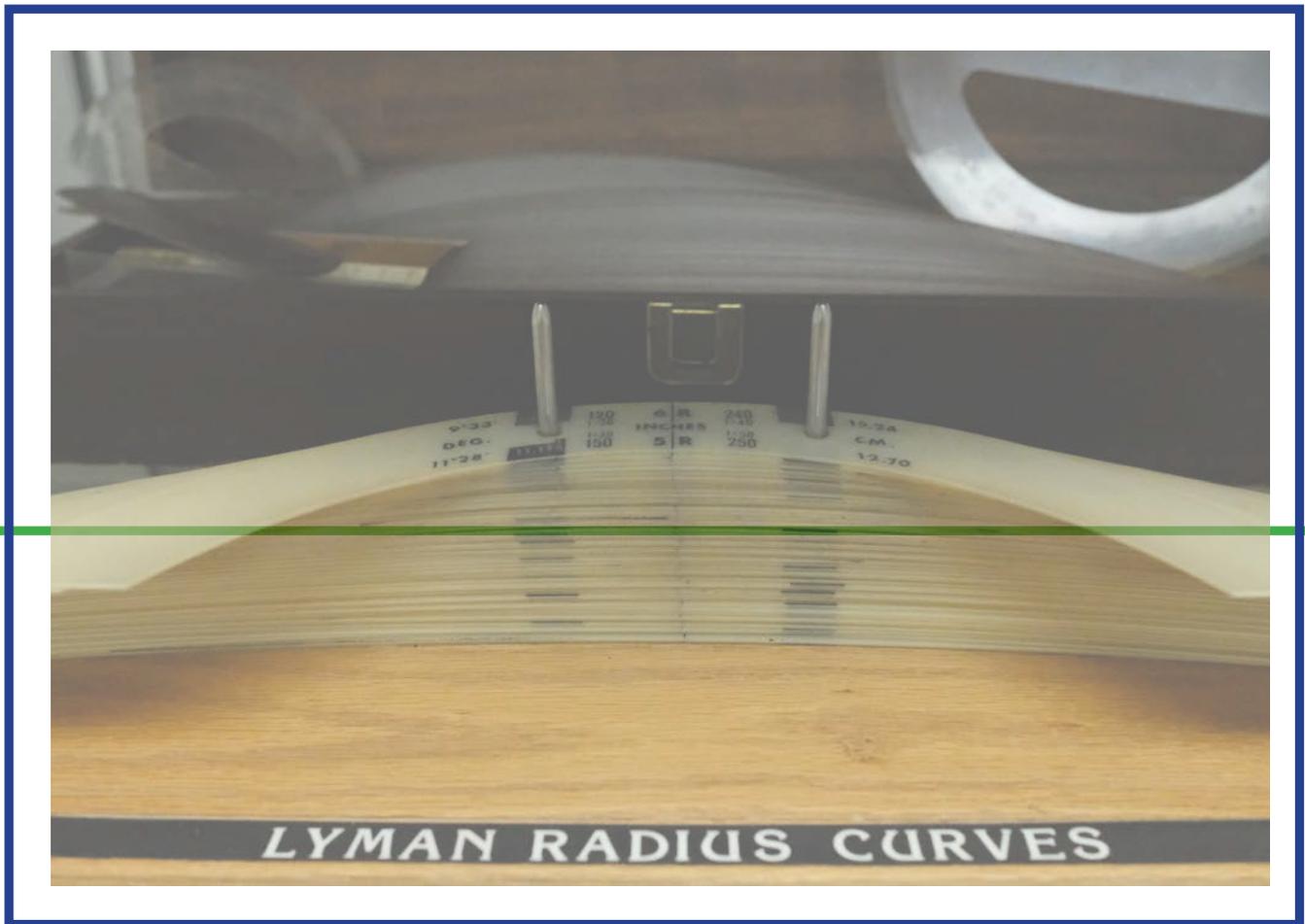
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Sustaining s Directory



A	
AIM Engineering & Surveying	239-332-4569
Allen & Company, Inc.	407-654-5355
AM Engineering, Inc.	941-377-9178
American Consulting Professionals, LLC.	813-435-2600
American Surveying, Inc.	813-234-0103
Amerritt, Inc.	813-221-5200
Arc Surveying & Mapping, Inc.	904-384-8377
Associated Land Surveying & Mapping, Inc.	407-869-5002
Avirom & Associates, Inc.	561-392-2594
Axis Geospatial SE, LLC.	386-439-4848
B	
Banks Engineering	239-939-5490
Barnes, Ferland and Associates, Inc.	407-896-8608
Barraco & Associates, Inc.	239-461-3170
Bartram Trail Surveying, Inc.	904-284-2224
Bello & Bello Land Surveying Corporation	305-251-9606
Benchmark Surveying & Land Planning, Inc.	850-994-4882
Berntsen International	608-443-2773
Betsy Lindsay, Inc.	772-286-5753
Boatwright and Durden Land Surveyors, Inc.	904-241-8550
Bock & Clark Corporation	330-665-4821
Brown & Phillips, Inc.	561-615-3988
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Bussen-Mayer Engineering Group, Inc.	321-453-0010

C	
Carter Associates, Inc.	772-562-4191
Caulfield & Wheeler	561-392-1991
Causseaux, Hewett & Walpole, Inc.	352-331-1976
CivilSurv Design Group, Inc.	863-646-4771
Clements Surveying, Inc.	941-729-6690
Collins Survey Consulting, LLC.	863-937-9052
Compass Engineering & Surveying, Inc.	727-822-4151
Compass Point Surveyors, PL	954-332-8181
Cousins Surveyors & Associates, Inc.	954-689-7766
Craven-Thompson & Associates	954-739-6400
Culpepper & Terpening Inc.	772-464-3537
D	
Dagostino Geospatial, Inc.	239-352-6085
Dennis J. Leavy & Associates	561-753-0650
Dewberry	321-354-9729
Donald W. McIntosh Associates, Inc.	407-644-4068
Douglass, Leavy & Associates, Inc.	954-344-7994
DSW Surveying & Mapping, PLC.	352-735-3796
Durden Surveying & Mapping, Inc.	904-853-6822

E	
Eda Engineers-Surveyors-Planners, Inc.	352-373-3541
E.F. Gaines Surveying Services, Inc.	239-418-0126
Eiland & Associates, Inc.	904-272-1000
Element Engineering Group	813-386-2101
F	
Florida Design Consultant, Inc.	727-849-7588
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F.R.S. & Associates, Inc.	561-478-7178
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GeoPoint Surveying, Inc.	813-248-8888
George F. Young, Inc.	727-822-4317
Germaine Surveying, Inc.	863-385-6856
GPI Geospatial, Inc.	407-851-7880
Gustin, Cothorn & Tucker, Inc.	850-678-5141
H	
H.L. Bennett & Associates, Inc.	863-675-8882
Hanson Professional Services, Inc.	217-788-2450
Hanson, Walter & Associates, Inc.	407-847-9433
I	
I.F. Rooks & Associates, LLC.	813-752-2113
J	
John Ibarra & Associates, Inc.	305-262-0400
John Mella & Associates, Inc.	813-232-9441
Johnston's Surveying, Inc.	407-847-2179

K	
Keith and Associates, Inc.	954-788-3400
L	
L&S Diversified, LLC.	407-681-3836
Landmark Engineering & Surveying Corporation	813-621-7841
Leiter Perez & Associates	305-652-5133
Leo Mills & Associates	941-722-2460
Long Surveying, Inc.	407-330-9717
Ludovici & Orange Consulting Engineers	305-448-1600
M	
Manuel G. Vera & Associates, Inc.	305-221-6210
Maser Consulting, P.A.	813-207-1061
Massey-Richards Surveying & Mapping, LLC.	305-853-0066
Masteller, Moler & Taylor, Inc.	772-564-8050
McCain Mills, Inc.	813-752-6478
McKim & Creed, Inc.	919-233-8091
Metron Surveying and Mapping, LLC.	239-275-8575
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N	
Northwest Surveying, Inc.	813-889-9236
O	
On The Mark Surveying, LLC.	321-626-6376
P	
Pennonni Associates, Inc.	215-222-3000
Pickett & Associates, Inc.	863-533-9095
Platinum Surveying & Mapping, LLC.	863-904-4699
Polaris Associates, Inc.	727-461-6113
Porter Geographical Positioning & Surveying, Inc.	863-853-1496
Pro-Line Survey Supply	904-620-0500
Pulice Land Surveyors, Inc.	954-572-1777
Q	
Q Grady Minor & Associates, PA	239-947-1144
R	
R.M. Barrineau & Associates, Inc.	352-622-3133
R.J. Rhodes Engineering, Inc.	941-924-1600
Robayna and Associates, Inc.	305-823-9316
Rogers, Gunter, Vaughn Insurance, Inc. (HUB FL)	850-386-1111

S	
SAM Surveying & Mapping, LLC.	850-385-1179
Sergio Redondo & Associates, Inc.	305-378-4443
Settimio Consulting Services	850-341-0507
SGC Engineering, LLC.	207-347-8100
Shah Drotos & Associates, PA	954-943-9433
Shannon Surveying, Inc.	407-774-8372
Sherco, Inc.	863-453-4113
Sliger & Associates	386-761-5385
S&ME, Inc.	407-975-1273
Southeastern Surveying & Mapping Corp.	407-292-8580
Stephen H. Gibbs Land Surveyors, Inc.	954-923-7666
Stoner & Associates, Inc.	954-585-0997
SurvTech Solutions, Inc.	813-621-4929
T	

U	
Upham, Inc.	386-672-9515
W	
Wallace Surveying Corp.	561-640-4551
WBQ Design & Engineering, Inc.	407-839-4300
Z	
ZNS Engineering, LLC.	941-748-8080

STOP THE SPREAD OF GERMS

Help prevent the spread of respiratory diseases like COVID-19.

Avoid touching your eyes, nose, and mouth.



cdc.gov/COVID19

C316038A March 17, 2020 2:06 PM

STOP THE SPREAD OF GERMS

Help prevent the spread of respiratory diseases like COVID-19.

Wash your hands often with soap and water for at least 20 seconds.



cdc.gov/COVID19

C316038A March 17, 2020 2:06 PM

STOP THE SPREAD OF GERMS

Help prevent the spread of respiratory diseases like COVID-19.

Clean and disinfect frequently touched objects and surfaces.



cdc.gov/COVID19

C316038A

DETENGA LA PROPAGACIÓN DE LOS MICROBIOS

Ayude a prevenir la propagación de enfermedades respiratorias como el COVID-19.

**Evite tocarse los ojos,
la nariz y la boca.**



cdc.gov/COVID19-es

CS316038A 19 de marzo, 2020 4:22 p. m.

DETENGA LA PROPAGACIÓN DE LOS MICROBIOS

Ayude a prevenir la propagación de enfermedades respiratorias como el COVID-19.

**Lávese frecuentemente
las manos con agua y jabón
por al menos 20 segundos.**



cdc.gov/COVID19-es

CS316038A 19 de marzo, 2020 4:22 p. m.

DETENGA LA PROPAGACIÓN DE LOS MICROBIOS

Ayude a prevenir la propagación de enfermedades respiratorias como el COVID-19.

**Limpie y desinfecte los
objetos y las superficies que
se tocan frecuentemente.**



cdc.gov/COVID19-es

CS316038A 19 de marzo, 2020 4:22 p. m.

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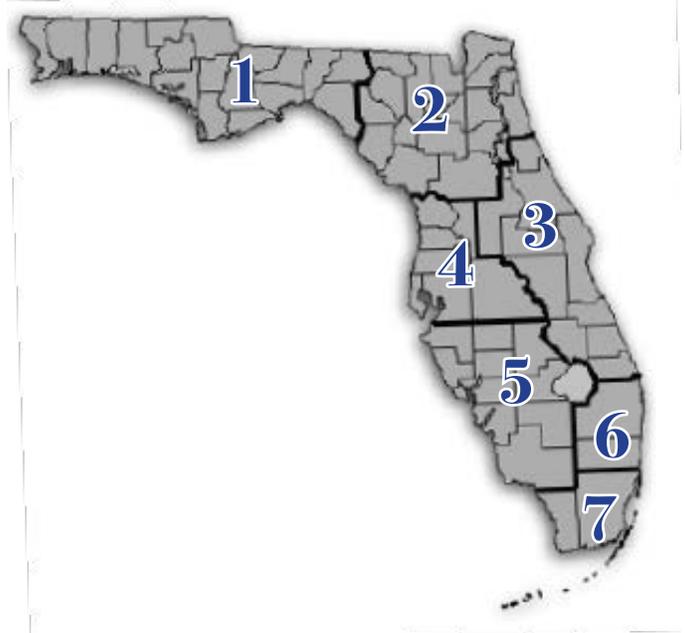
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NSPS Director

Russell Hyatt
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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 Durden
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 Mathews, II
Jack Breed

2000

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

2010

Dan Ferrans
Jeremiah Slaymaker
Ken Glass
Russell Hyatt
Bill Rowe
Dale Bradshaw
Lou Campanile, Jr.
Bob Strayer, Jr.
Dianne Collins
Don Elder

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*Board Meeting - 8 am,
January 29, 2021 via Zoom*

*Please email
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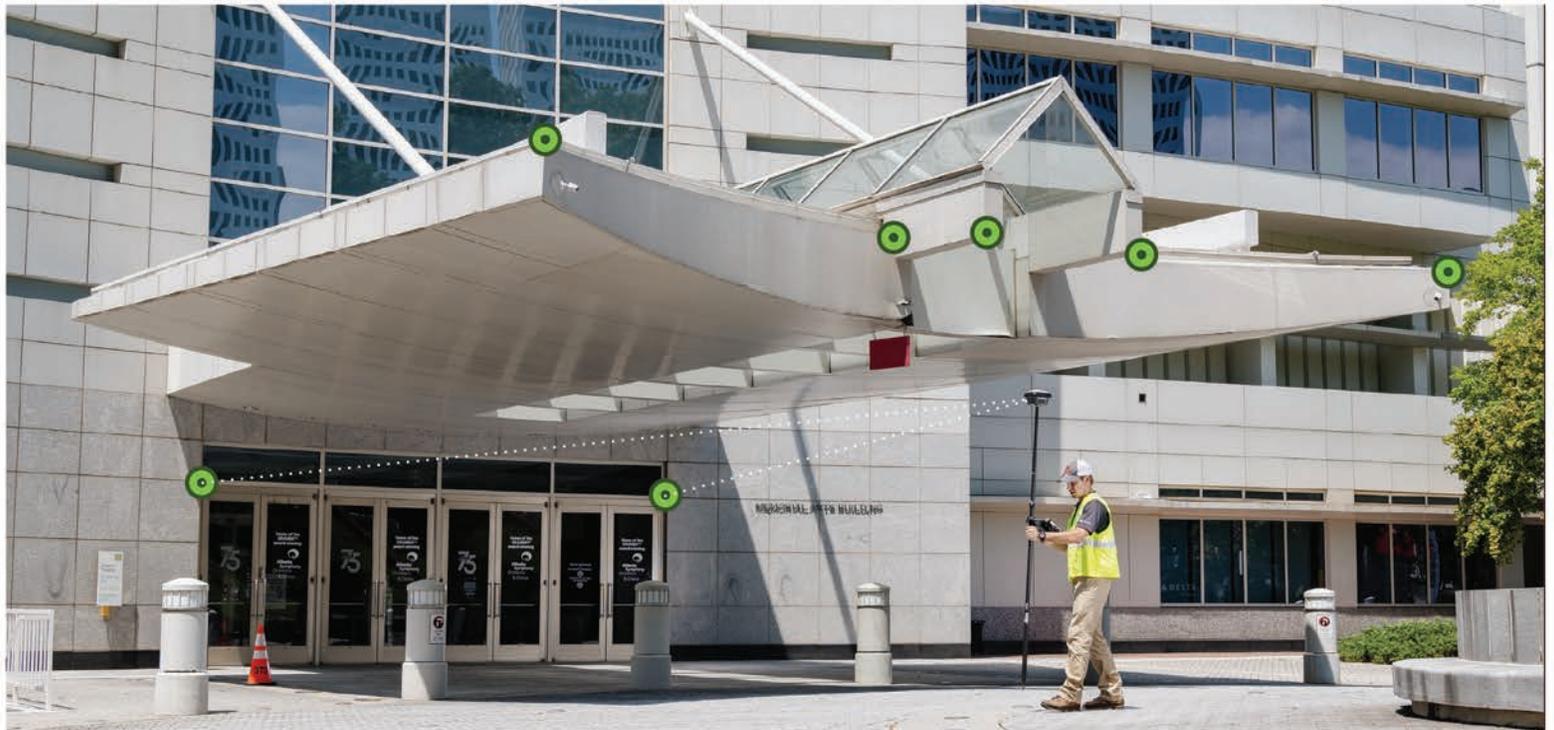


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