



The Connecticut Surveyor

May 2016

Volume 22, Issue 5

Connecticut Association of Land Surveyors
78 Beaver Road, Wethersfield, CT 06109



CALS was represented at the National Society of Professional Surveyors Spring Conference, in Arlington, VA, March 16-18, 2016 by Rick Howard

Read his entire report on pages 6-10.

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Connecticut Association of Land Surveyors

2016 General Membership Meeting



Lenny & Joes Fish Tale
501 Long Wharf Drive
New Haven, CT
203-691-6619

Date: May 5, 2016

5:30 Cocktails & Registration

6:30 Dinner

7:30 Presentation



Thomas Meyer, Professor, Department of Natural Resources and the Environment, University of Connecticut, will give an interesting and informative presentation on Horizontal Datums in Connecticut.

Geodesy's main products are datums, the coordinate systems we use with GPS and map projections. Datums are created every so often as technology advances to the point where the state-of-the-art positioning methods are more accurate than the control coordinates of the current datum. Through the years, Connecticut has seen several datums, including the North American Datum of 1927 (NAD 27), several "realizations" of NAD 83, and will soon see the new datum (called a "reference frame") scheduled to be put in service in around six years. This talk will highlight the differences among these datums with an eye towards what kinds of positioning errors a surveyor would encounter if coordinates from different datums were used as if they were interchangeable, and give a "heads up" about what to expect from the coming reference frame.

General Membership Meeting May 5, 2016, Reservation Form

Name _____

Company _____

Phone _____ Email _____

Please reserve ___ seats for the CALS General Membership Meeting at \$50 per person.

See page two for menu selections which will be ordered at the meeting.

MasterCard or Visa account number, expiration date & signature.

_____ exp.date: _____

Signature: _____

Total Enclosed _____

Mail to: CALS General Membership Meeting, 78 Beaver Road, Wethersfield, CT 06109



"If we had no winter, the spring would not be so pleasant."

Lenny and Joe's Fish Tale



Fried Fish Tale Dinners

Our Famous Fish & Chips

A large portion of Scrod served with coleslaw and fries.

Two Way Combination

Fried Shrimp and Scallops served with Coleslaw and fries.

Baked Stuffed Casseroles

Baked Stuffed Shrimp served with wild rice and coleslaw.

LOBSTER MAC AND CHEESE- Served with Fries and Coleslaw

Charbroiled & Grilled Seafood

Served with wild rice and coleslaw.

Fresh Salmon Fillet

Broiled Sea Scallops and Shrimp Casserole

Land Lubbers

Fresh Charbroiled Chicken Breast

Teriyaki or Plain.

Rolls & Sandwiches

Lobster Roll

Made with 100% Lobster served on a frank bun.

Salads

Dressings: Fish Tale Ranch, Fish Tale Vinaigrette, Bleu Cheese, Caesar, Clear French

Charbroiled Chicken Salad

Entrée size cold garden salad topped with a generous portion of Chicken.

Charbroiled Salmon Salad

Entrée sized cold garden salad topped with charbroiled Salmon.

Desserts

Assorted Selections



"If we had no winter, the spring would not be so pleasant."

CALSP Professional Development Seminar

NSRS New Coordinate Systems & the Land Surveyor

Presented by Dan Martin, National Geodetic Survey Advisor for New England

May 26, 2016, ITBD, Central Connecticut State University, New Britain, CT



NSPS Foundation Announces Two New Scholarships

Two recently funded scholarships have been added to those offered through the NSPS Foundation. The deadline for applications is April 29, 2016, which is the same deadline as that for the scholarships recently publicized. Information about these just-announced two scholarships will soon be available on the NSPS website, <http://www.nspss.us.com/?page=Scholarships>.

The new scholarships are:

Walter Robillard Scholarship funded by the New Jersey Society of Professional Land Surveyors, in the amount of \$2,500.00 The scholarship shall be awarded to a full time undergraduate student enrolled in a (4) four year ABET accredited program from a college or university in one of the following disciplines; surveying, geomatics, or geodesy.

"Slavoj (Dr. Ing. Desider E.) Scholarship", offered by the National Society of Professional Surveyors, in the amount of \$2,000.00, to a student enrolled in a two (2) or four (4) year undergraduate degree program at an ABET accredited college or university in the field of surveying engineering.



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CALS 2016 Scholarships

Please remember that CALS will be accepting scholarship applications until June 1, 2016.

To qualify an applicant must:

- 1) Be a resident of Connecticut.
- 2) Be enrolled in a program leading to a BS, AS or Certificate program in surveying, or a student in a BS or AS program who has a proven record of surveying employment, as evidenced by letters of recommendation from his or her employer.
- 3) Show an interest in being a part of the surveying profession.
- 4) Students must be in their BS program junior or senior year, or AS second year.

Please submit a statement outlining qualifications, together with a transcript, resume, and other pertinent information to:

CALS SCHOLARSHIP COMMITTEE
C/O JAY DOODY
49 ARLINGTON STREET
WEST HAVEN, CT 06516



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National Society of Professional Surveyors Spring Conference

March 16-18, 2016, Arlington, VA

Rick Howard, CALS NSPS Director

To all of my fellow CALS members, Good day!

NSPS had a fine meeting last week, convening jointly with the MAPPs association in Arlington VA. The business meeting kicked off on Wednesday with Lobby day, in which many of us from NSPS and MAPPs brought issues to congress of mutual concern. We had 4 new issues to pursue this year, due in part to the success of seeing past issues move successfully through congress, as observed by our lobbyist's John Palatiello and John Byrd. This year we had discussions on the following topics with our congressional representatives: Workforce Development, Private Sector Utilization, Flood Insurance Reform & Modernization Act and Ocean & Coastal Mapping. Please see the NSPS Joint Government Affairs Update for further detail – found with other NSPS reports here <http://www.nsps.us.com/general/custom.asp?page=Reports>.

I was very happy to have a fellow CALS director attend congressional meetings with me, Michael Shevlin, of Fairfield CT. We met with Congresswomen DeLaura and Esty, as well as Senator Blumenthal. We had little time between meetings in the afternoon and we were told we could ask a congressional aide to take us through the tunnel beneath the capitol building. It wasn't just a tunnel, but also basements, hallways lined with paraphernalia, underground malls, and underground trams thrown in for good measure. The tram was made up of two or three cars with chest high sides, topped with short glass walls. Picture a 1970's James Bond film ... the only thing missing was uni-colored uniforms! Mike and I both contemplated whether or not walking up top, across the streets may have been quicker – but you certainly could not beat the experience. Thanks for the company Mike.

I found workforce development to be a new topic of interest for our directors and congress in general. Congressional staff appeared to be well aware of the topic and the State of Virginia, through its director Dave Holland, brought a motion forward suggesting NSPS be part of the discussion regarding where our future geo-spatial professionals and surveyors will come from. Many secondary education programs are struggling from the standpoint of student enrolment and their ability to find qualified candidates to run the programs. From a congressional standpoint it is much broader than that, but they may very well craft legislation that our situation will apply to. The workforce meeting chaired by Dave Holland was very well attended.



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I noted two subjects under old business that I feel we should convey to our membership:

We need a champion(s) for the ALTA Certification Program to take the reins and move the program forward. Mr. Kent is supportive of the idea, but looking for other leadership to make it happen. If you, or your members feel strongly about the program please consider stepping forward to help make it happen.

We are continuing to pursue having a joint meeting with FIG in 2022. Sites for consideration may include Orlando, New Orleans or Washington D.C. – stay tuned for further development.

Past President John Warren addresses the General Membership Meeting. Sitting left to right



Bob Miller – Treasurer, Tony Cavell - President, Jan Fokens President Elect. Newly elected Vice-President for 2016 Kim Leavitt missing from the photo, sworn in by the end of the meeting.



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Here than are a list of new initiatives and observations from our spring meetings:

- First and foremost, a warm welcome is extended to our fellow surveyors in West Virginia who recently voted themselves into the 100% membership program. John Green (a past WVSPS President) sat in for Jared Wilson who will serve as their first NSPS Director. I hope John found our spring meeting engaging and worthwhile!
- If I hadn't welcomed West Virginia into the fold first, the Young Surveyors would have been front and center. We will have a signed MOU shortly and they will have a non-voting seat on the NSPS BoD. They are an inspiring group of individuals to have involved in the workings of NSPS.
- We had 9 teams competing in the student competition. Congratulations to our winners: The University of Akron (4 year) and Dunwoody College of Technology (2 year)
- Geodetic Certification committee is pressing forward. Many of you may have seen the online poll requesting input from our fellow surveyors across the country, if not please seek it out and complete it. Dave Doyle offered that they want to make a concerted effort to obtain professional input and support versus relying on recommendations from an academic panel. From my point of view, it appears to be a thoughtful and commendable approach.
- NGS 2022 Datum – Model Law. NSPS continues to work with NGS on templates we can provide the states to use in crafting legislation to recognize the new datums.
- NSPS is working on a white paper to share with our state associations to support professional licensing. We are aware of a tangible force within federal and local governments that seeks to eliminate licensing, referring to it as an impediment to work force development and our economy.



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Rick Howard, CALS NSPS Director

NSPS will develop “Best Practices Guidelines” which our membership can follow to help ensure Federal Trade Commission (FTC) Compliance.

Our Joint Government Affairs Committee will pursue having the geospatial (or Geomatics) field included as a STEM discipline (Science, Technology, Engineering and Mathematics). This classification would open up sources of funding for grants, scholarships and tax credits targeted towards STEM majors



Curt Sumner leads the Installation of Officers, Standing Left to Right: Jon Warren-Immediate Past President, Kim Leavitt-Vice President, Jan Fokens-President Elect, Tony Cavell-President; Sitting far left Bob Miller-Treasurer



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Rick Howard, CALS NSPS Director

NSPS will craft a letter to the National Association of Realtors requesting that specific language be inserted in their Code of Ethics and Standards of Practice to the effect that they will not engage in activities that constitute unauthorized practice of land surveying – such as suggesting to their clients where their boundaries are, or what constitutes a legal property corner monument.

The NSPS Public Relations Committee presented two awards. The first went to The Texas Society of Professional Surveyors for a flyer and website they put together for educating youth about land surveying – see link below

The second was a humanitarian award given to the Illinois Professional Land Surveyors Association for a joint effort between the Northeast Chapter of IPLSA and The Northern Illinois University's Geomatics program to survey an area wiped out by a tornado, replacing monumentation and documenting existing infrastructure – see link below

Many thanks to the NSPS staff for all of their efforts.

Once again, I thank you all for the honor and privilege of serving CALS on the national stage.

Make it a great day.

Rick Howard, NSPS Director – CT

Tech Insider Link:

<https://webmail.east.cox.net/do/redirect?url=http%253A%252F%252Fwww.techinsider.io%252Fa-pulitzer-prize-winning-journalist-investigated-the-science-of-productivity-heres-what-he-found-2016-3>

PR Award Winner – Texas

<http://www.becomeatexasurveyor.com/>

PR Humanitarian Award Winner – Illinois

Note: this link may automatically download the pdf vs display in your browser...

http://www.nsp.us.com/resource/resmgr/Public_Relations/PR_Competition_-_NEC_Fairdal.pdf



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Bridging the Gap; Filling the Ranks of Surveyors in the Next Decade

By Frank Lenik, PLS

Lately, each time I get together with a group of surveyors, the discussion moves towards the shortage of available candidates for employment, the dearth of applicants for the land surveyor exam, and the aging of the population of existing surveyors. With a long face someone inevitably predicts the eventual death of our profession. We recognize the symptoms, but can't identify a cure. As Walt Kelly's Pogo would say, "we have met the enemy, and he is us".

The progression from a field crew composed of three people to two to one person over the last twenty years has reduced and in most cases eliminated our usual method of training employees. We can no longer depend on the old model of the master apprentice program. We lament about the quality of candidates but have little time to properly train our field crews. A qualified candidate often becomes one who is familiar with the type of instruments we own, or one who is adept enough to learn quickly and begin production.

Over the last ten years the list of surveyor candidates who were looking for work or who were under employed has evaporated. The larger firms have realized this and have gone after university co-op students and graduates in a big way. Those firms understand the need to fill their ranks with the best candidates they can find. It is good for the long term health of their company programs and they are not afraid to pay for these individuals. The result is that many of our university programs had their seniors placed before the final term last year.

This may be the beginning of a new age of land surveying education. The law of supply and demand should put pressure on universities, colleges and technical schools to satisfy our needs. The schools we need to create new surveying, survey engineering or geomatics engineering programs or support the existing ones, which will in time result in more qualified candidates for our profession and

a better experience for the public overall.

The obvious dilemma will be how long it will take for this cycle to generate enough candidates to satisfy our attrition rate; and what should we do in the mean time? Land surveyors who want to be a part of the solution need to be working today with our institutions of higher learning and providing them with feedback on market conditions and manpower needs. With a determined effort, we could effect change in the survey education system and increase the number of students coming out of existing programs in a few years and hopefully start some new programs along the way.

Understanding that this will take time to come to fruition, we will need to institute some stop gap measures like the one proposed by a colleague of mine. He suggested if you "give me a person with a college degree, I can teach them to survey". Yes, it would be preferable to hire survey graduates today, but what do we do if they aren't available? Why not hire a graduate and shorten the learning curve for new employees.

Environmental studies and forestry majors have already committed themselves to working outdoors. One university in the Philadelphia region is currently teaching "Introduction to Environmental Surveying" where their students are taught the use of GNSS hardware and software, digital levels, total stations and robotic instruments. They are learning about hydrography and UAV's and are applying these tools to ground water studies, flora and fauna studies, as well as lake, river and ocean hydrology and sedimentation studies.

If we are looking for potential employee candidates today we should explore all possible solutions. We need to identify them wherever they are and teach them about the rewarding futures in land surveying.



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Negative Article about Surveyors

Monuments Move - Landowners Lose: A Surveyor's Dirty Little Secret Share This Article By Will Goode Investigative Reporter Grangeville, ID -

If you think being imprisoned when you are innocent is bad news, how would it feel to be dispossessed of your property when it has been in your family for 40, 50 or 100 years? The trick is for one adjoining neighbor to hire a new breed of surveyor who bends the law (being protected from prosecution by the surveying profession) and makes up new boundaries based on his own rules because it's good for his business; in the end though, he takes away the vested property rights of all landowners. In reality, this is a deceptive trade practice and a violation of the Consumer Protection and anti-fraud laws of all 50 states according to surveyor and lawyer, Jeffery N. Lucas. By the way, the Attorneys General (AG) of the several states where this is happening simply will not prosecute because it involves crimes committed by members of a so-called "regulated profession" deemed 'sacred-cows' and exempt from enforcement action. It is not that the AG has no power to prosecute them; rather, it is that the crony system among surveyors and engineers is so powerful, that with actively practicing members of the profession sitting on the boards that are supposed to regulate surveyors, they cannot see that their fellow professionals are doing anything wrong. They are literally blinded by their own so-called "professionalism." Judges today have even bought into this concept with the attitude that "the professionals know best" and certainly, judges, don't want to be seen as bucking the system. None of this bodes well for the landowners who are the consumers of surveyor services. George Washington, Thomas Jefferson, Abraham Lincoln as well as Lewis and Clark, all had this one thing in common, they were surveyors. You see, 'In the Beginning...' there was vacant land and people wanted to own a portion of it to build their homes on; hence, the American Dream. Whether it was the east coast property acquisitions from the Native Americans or the Louisiana Purchase from the French or Mexican Land Grants, the pattern and practice was the same: Define the boundaries and then make it available for settlement by the public. Some settled as homesteaders, staking their claim and complying with certain minimum requirements, while others outright purchased their property. Either way, at the end of the day, the expectation was the same: all landowners knew where their boundaries were located because of monuments originally set by the great surveyors of the past. For generations, the landowners of America have relied upon the original work performed by surveyors who established points of origin by placing monuments (such as a notched stone or markings on a witness tree or other objects of at least semi-permanent

quality) and then from these original monuments, created the "Point of Beginning" for each parcel of land. Along the eastern seaboard of the USA, original monuments were established first by the Pilgrims and early settlers, then eventually by surveyors, such as our first President. In the west, the General Land Office of the United States laid out the original monuments based on the Rectangular System of Surveying. However they were created, all current-day owners expect to look back upon the historical establishment of original monuments from which they can trace the perimeter of their property.

Today, there simply is not as much surveying work as in the boom days before the real estate bubble burst in 2008. Many surveyors need work because most of the available land that easily could be subdivided, has been developed and that which is left are tracts of land containing larger acreages, either owned by the government or by private interests, for which there is: 1) no authority to develop (public lands); 2) no current demand for subdivision; or 3) no financial backing available for development. Left without 'rudder or sail,' the proverbial 'mariners of surveying' must find a way to support themselves and their families. For many of them, they have no other occupation, thus, the choice is "Survey or Starve;" which dictates that the surveyor must 'do something' to create business for himself.

Within the industry of surveying, there are those who consider surveyors to be "stewards of the nation's property boundaries." A surveyor has two choices, if he can state that he is unable to find an original monument then that is his excuse to postulate where such a monument should exist by using a fraudulent engineering computation, also known as a "Math Stakeout" or he can perform a legitimate "Retracement Survey." In the Retracement Survey, the surveyor must find the location of the original monuments that provide "control" for the area, some of which may be more than a mile away. If the nearest original monument is missing, the surveyor can reach out to the next nearest original monument for control or utilize existing structures to validate the retracement. A surveyor conducting a Retracement Survey is legally bound to follow the lines from original monuments, retracing the bearings and distances used by the original surveyors to reestablish the original boundaries or to locate the place where missing monuments were located before they disappeared; then, and only then, can he opine as to the particular application to the property of the landowner who hired him.



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In a Math Stakeout, the surveyor simply creates by mathematical calculation what he thinks is the right adaptation of the boundary based on engineering principles, but, because he fails to start with the true original monument that originally provided control over the area, that surveyor performing the math computation absolutely cannot locate the original boundaries and will always be in the business of creating new boundary lines. In creating new lines, the surveyor can then sell his stock and trade to the unsuspecting landowner, who, if it involves an increase in his property, is delighted to pay handsomely to add a few acres at the expense of his neighbor and that is just human nature, to want to receive something for nothing. The reality is that there is not one consumer in 10,000 who understands what surveyors do; which makes them easy prey for surveyors to commit the crime of property theft by fraud. This is worse than not understanding how your local brain surgeon operates. If the unscrupulous surgeon was to lure patients in with promises of improved intelligence and then perform lobotomies, the consumer of his healthcare services and his family would be sorely disappointed and might even sue the doctor. In like manner, the consumer of surveying services can be easily baffled by the surveyor's technical 'bull-loney,' so that he becomes convinced that he owns his neighbor's driveway or a large chunk of his neighbor's land; and then the legal battles begin. To illustrate the severity of this problem: imagine, if you will, that a surveyor from Connecticut has declared that the original monuments defining the boundaries of an adjoining state, say Rhode Island, are "erroneous." Then the surveyor offers up a solution by mathematically creating new monuments and draws up a new boundary line between the two states and declares that the land within the newly defined area is really the property of Connecticut. Now, let's say, that the newly defined area involves only a mere three hundred (300) square miles (a trifling amount of land in the big scheme of things, right?). Since the total area of Rhode Island is a paltry 1,241 square miles, that would be roughly a one-fourth or a 25% of the land mass of the entire state of Rhode Island, which by now, our hypothetical surveyor, has claimed for Connecticut. Clever surveyor: after recording this fraudulent survey, it could take years and millions of dollars to correct the problem. Meanwhile, how many people and their lands would be adversely affected? The people of Connecticut would be cheering while the folks in Rhode Island might be

objecting and do you think a general uproar is likely? Maybe it would go viral on the Internet and even the "dumbed-down Mainstream Media" might report the story. What if Mexico was to do the same thing along the border with the USA gobbling up some of Texas, New Mexico, Arizona and California; in such a case, we might even see a declaration of war. In other words, property owners, especially US citizens are hard wired to defend what they believe is theirs (sometimes to the death) and that too is a part of the human condition. But, the law specifically states that surveyors are not to create disputes among neighboring landowners; so how can this be? Think about this, if a surveyor who wants to grow his business starts moving original property monuments (or makes them disappear so that he can recreate them) then he can move boundaries between neighbors at will, and it is likely that each landowner will demand his own survey (more business). All of a sudden, instead of a Starving Surveyor, there is plenty of business for all the surveyors and maybe a few engineers as well. Clever surveyors.

According to highly credible professionals I have interviewed, "One of these new-breed-of-surveyors actually refers to himself as the "Wizard" of North Idaho because he has developed a scam that allows him to dance around original monuments with words like "erroneous" and then adjust the location of those original monuments as he has developed a vast book of new business from the landowners who have been suckered into his operation. This surveyor is Hunter Edwards, whose father before him was a surveyor and the two of them figured out a scam that has not yet been unraveled, but it is based on the concept that the original General Land Office survey monuments set in the late 1800s were "erroneous" which they think gives them license to relocate those original monuments at will by applying a Math Stakeout solution rather than performing a retracement survey."

The professionals continue, "The cost of these shenanigans by the Edwards clan to landowner Dorothy Walker has been the loss of over 40 acres, all done surreptitiously by sneaky little changes in documents recorded at her home of Idaho County.



"If we had no winter, the spring would not be so pleasant."

Negative Article about Surveyors

Monuments Move - Landowners Lose: A Surveyor's Dirty Little Secret Share This Article By Will Goode Investigative Reporter Grangeville, ID -

Dorothy has studied the problem and qualifies as the one in 10,000, but she still cannot get responsible survey work from the Edwards clan because they are being protected by the other professionals who also think this Math Stakeout Solution is good for business and refuse to look at the Edwards' professional ethics violations and the Edwards' failure to follow established procedure required by Idaho State law; their reaction is simply to ignore it. The Edwards clan of surveyors are also being given a pass by the Idaho Attorney General who refuses to prosecute them because regulation is left up to the professional board composed 100% of practicing surveyors. Has the proverbial fox been left to guard the hen house?" Well folks, this is exactly what is happening all over America today and it is happening in Idaho and specifically, it has happened in Idaho County, which is one of the most unlikely settings, although the Hunter Edwards Dorothy and the late Butch Walker place is bucolic and it is an area that is still filled with big game and a very desirable place to live or have a cabin because it is so remote. Shamefully, there are those in Idaho County who would set false monuments and take your land in a heartbeat and the operative force behind them are the surveyors who subscribe to the improper and illegal process of "proportioning" in corners with a Math solution when the evidence of the position of the original corner is right before their eyes. To be clear, the process of proportioning or the Math Stakeout can never find the original boundary lines or monuments and it is doomed to always be the source of land theft. With the amount of land development and subdivisions drastically down in America today, the trend has been to create work for surveyors by either removing or relocating the original "permanent" survey monuments that have been relied upon for over a hundred years, and then claiming that such monuments have been "located" by applying the Math Stakeout solution costing some landowners large portions of their property. This attack on the sovereign rights to property ownership is fostered by the new breed of surveyor mentioned above who believe they can simply state that the original monument, set over a hundred years ago is "erroneous." A nebulous term that really has no meaning unless placed in context of a multi-faceted and highly detailed analysis; and when applied, the detailed analysis will show where the original monument is actually located. Yet, this term "erroneous" is the basis reportedly used by the Edwards clan and other surveyors of similar persuasion for mov-

ing boundary lines hundreds of feet without regard to the retracement of the original monuments. Understanding why we are 'where we are at' is as important as anything. Surveying is complicated to some and mysterious to others, but the effect of losing land can be understood by everyone. Readers with similar issues should contact their state legislators and demand that this problem be investigated in their home state before rights become vested based on the fraudulent surveys developed by Starving Surveyors, who are not quite so hungry any more thanks to all the payments from defrauded landowners.

Will Goode is an investigative reporter for Independent News International, World Report who is willing to tackle difficult issues even though not politically correct. He can be contacted through the Editor, Pat Shannan at www.ineworldreport.com.

Editor's Note: There is another reason that unethical surveyors record fraudulent surveys and that is because they are paid to knowingly do so. We will address this more as it relates to the Walker case in the near future.

Anyone with information on those involved in the Walker case or fraudulent surveying in general is urged to contact Edward Snook at 541-474-7885 or by email to editor@usobserver.com.

Are you losing your property because of bad surveying? Have you been defrauded? Call us – we just might be able to help you.



"If we had no winter, the spring would not be so pleasant."

NSPS Response to Negative Article about Surveyors



National Society of Professional Surveyors

5119 Pegasus Court, Suite Q, Frederick, MD 21704

Phone: 240-439-4615 * Fax: 240-439-4952

www.nspss.us.com

March 9, 2016

Mr. Douglas A. McIntyre
Editor-in-Chief & CEO
24/7 Wall St., LLC
New York, NY 10128

RE: *Will your job disappear?*
Samuel Stebbins and Michael B. Sauter
10 :29 AM EST March 6, 2016

Dear Mr. McIntyre:

I am writing to you in reference to the article entitled "Will your job disappear", authored by Samuel Stebbins and Michael B. Sauter, which appeared in the March 6, 2016 edition of *24/7 Wall St.*

The article addresses what are referred to therein as "17 disappearing middle class jobs." Statistics are provided from the U. S. Department of Labor, Bureau of Labor Statistics webpages, <http://www.bls.gov/oes/current/oes173031.htm> and <http://www.bls.gov/ooah/architecture-and-engineering/surveying-and-mapping-technicians.htm>, along with some commentary about each job.

On behalf of the members of the National Society of Professional Surveyors (NSPS) and of the respective independent state surveying societies (listed below) which are affiliated with NSPS, I wish to point out to you some misleading language in the article regarding job number 15 on the list, "Surveying and mapping technicians". This category is referenced as 17-3031 in the aforementioned BOL statistics.

While the information shown for 17-3031 is correct, the article goes on to incorrectly identify the workers in the category as "surveyors and mapping technicians". In that same BOL statistical information, the category for "surveyors" is shown in 17-1022 which clearly identifies the category as a "professional" occupation requiring a bachelor's degree as the typical entry-level education and a licensure requirement within all states in which one wishes to practice before being allowed to certify legal documents associated with ownership and development of land within those respective states. Such surveyor's license is also required for the practice of a variety of other geospatial activities.



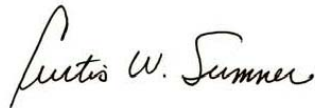
"If we had no winter, the spring would not be so pleasant."

NSPS Response to Negative Article about Surveyors

Additionally, the projected employment change in the 2014-2024 statistics for “surveyor” is quite a bit more optimistic than that for the “surveying and mapping technician”. In fact, with the average age of the surveyor nationwide being in the mid-50s, and an ever-increasing demand for geospatial information, the need for surveyors’ services is very likely to be on the increase.

On behalf of the surveyors throughout the country, we the undersigned appreciate the opportunity to point out the misconception created by the language in the “17 disappearing middle class jobs” article, and request that a clarification be printed in an upcoming edition of *24/7 Wall St.*

Respectfully,



Curtis W. Sumner, LS
Executive Director

CALS was proud to be included on a list of
Land Surveyors Associations,
throughout the country,
that supported this letter.



"If we had no winter, the spring would not be so pleasant."



Take me out to the ballgame!

Thursday, August 25th

Duncan Donuts Field

1214 Main Street Hartford CT 06103

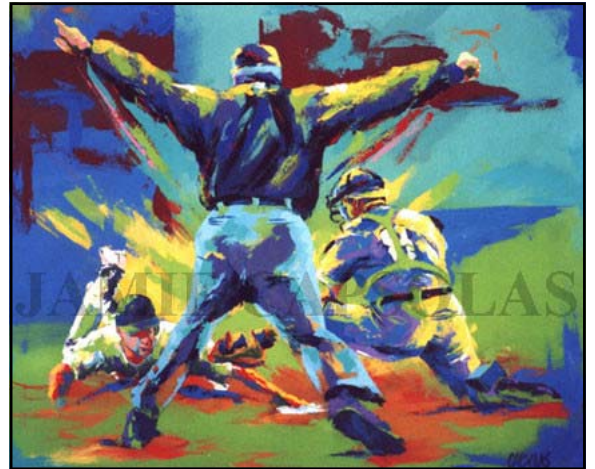


Join us and watch the Hartford Yard Goats play the Washington Nationals at Duncan Donuts Park, in Hartford at

CALS has reserved a block of seats so we can all sit together. Tickets are only \$15 each and with each ticket you will receive a \$2 credit toward food, souvenir, or tickets to another game.

Don't miss out on a fun evening - bring your kids, your family, your employees and your friends.

Reserve your seats today!



Original Oil Painting by Jamie Capsolas

Hartford Yard Goats Game - Thursday, August 25, 2016

Duncan Donuts Field - 1214 Main Street, Hartford, CT 06103

Name _____

Company _____

Phone _____ Email _____

Number of tickets at \$15 each _____

Total enclosed \$ _____

Credit Card Number _____

Expiration Date _____

Signature _____

Gates open at 6:05 pm the game begins at 7:00 pm

See you at the game!



"If we had no winter, the spring would not be so pleasant."

CALS 2015 Golf Outing



Sponsors Include
Rocco V. D'Andrea, Inc.
Golden Aerial Surveys
Brautigam Land Surveyors
Redniss & Mead/Ryan & Faulds

Tee off : 11:00 am
Date: 06/15/16

Registration begins at 9:30 with a continental breakfast, practice on the driving range, photos, etc.

Tee off time is 11:00.
A Roast Beef Buffet awards dinner will follow.

Timberlin Golf Club
330 Southington Road
Berlin, CT 06037
860-828-3228

\$150 per person

"If we had no winter, the spring would not be so pleasant."

CALS 2015 Golf Outing



CALS Golf Outing Registration Form June 15, 2016

Name _____

Other Players in my group

Phone _____

Email _____

MasterCard or Visa # _____

Expiration Date _____

Signature _____

Total enclosed at \$150 per person \$ _____



Timberlin Golf Club
330 Southington Road
Berlin, CT 06037
860-828-3228
www.timberlingolf.com

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May 2016



Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5 CALs General Membership Meeting	6	7
8 HAPPY MOTHER'S DAY!	9	10	11	12	13	14
15	16	17	18	19	20	21 
22	23	24	25	26 CALs Board of Directors Meeting NSRS Coordinate Systems Seminar	27	28
29	30 REMEMBER THOSE WHO SERVED  ALL GAVE SOME, SOME GAVE ALL	31				



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Classified

POSITIONS AVAILABLE

Fairfield County

- Immediate Need for multiple positions at a relaxed and friendly land survey firm. Positions include:
- **Entry Level Field Surveyor** (willing to train the right candidate)
- **Experienced Party Chief** with research and AutoCAD abilities.
- **Survey/Field Technicians** to join the Redniss & Mead Team of Land Surveying, Civil Engineering, and Land-Use Planning professionals in a growing firm located in Fairfield County, CT. Candidates should have 3+ years experience in the surveying field and experience in the processing and preparation of all types of surveys, including boundary surveys, topographic surveys and construction layout. Knowledge of AutoCAD and Data Collection is required. Responsibilities include performing fieldwork, processing and mapping of fieldwork, coordination with clients and in-house staff. Work for this position will be on a variety of project types including residential, commercial and institutional. For consideration, please forward your resume to Lawrence W. Posson, PLS, Director of Surveying: L.Posson@rednissmead.com. We are an Equal Opportunity Employer and offer a competitive compensation package including salary, medical benefits, paid vacation, paid holidays, performance bonuses, 401K retirement plan, direct deposit, and a health club membership.

Pereira Engineering, LLC is an established Civil/Environmental/Land Surveying firm located in Shelton, CT and we are looking to fill the following position:

- **Civil Engineer** - experienced in various types of site development projects including residential, commercial, and municipal projects. Responsibilities include the design of site layouts, subdivisions, septic systems, storm and sanitary sewers, storm water management systems, grading, roads, and hydrologic/hydraulic studies. Duties will include preparation of plans, specifications, and calculations as well as coordination with other design professionals and public officials.

Qualified candidate must have a B.S. in Civil Engineering from an accredited engineering program and must be proficient with AutoCAD Civil 3D and other commonly used design and drainage analysis software. Candidate must be organized, highly-motivated, and detail-oriented.

Pereira Engineering offers a very competitive salary and benefits package including Major Medical Insurance, 401(k) Profit Sharing Plan, Life Insurance including Short-Term Disability and AD&D coverage, paid Vacation, Holidays, Sick Days, Direct Deposit for payroll, and a Health Club membership. Please email resume and salary requirements to: joe.pereira@pereiraeng.com or fax to: (203) 944-9945.



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Hartford County

- **Party Chief - Bongiovanni Group, Inc.**, located in central CT in its 33rd year as a leader in the Land Surveying Profession, is looking for a Professional/Career orientated person to join our Firm as a **Party Chief**.

This position requires a minimum of 8 years experience performing all types of Land Surveys and Construction Layout. A full command of Surveying Fundamentals and Computations is essential. Energy, integrity, reliability and interpersonal skills are a must. Preference will be given to qualified candidates with GPS and Robotic experience.

This position offers exposure to a diverse workload that provides for excellent Professional Development Opportunities.

Bongiovanni Group, Inc. offers an excellent wage and benefit package. Please send Resume to: Alan Bongiovanni, L.S., Bongiovanni Group, Inc., 170 Pane Road, 2nd Floor, Newington, CT 06111, or email to al@bgils.com. Phone (860) 666-0134. All inquiries are kept confidential. EOE.

-
- **Party Chief** - Harry E. Cole and Son, an established firm located in Plantsville, Connecticut is seeking a party chief with the following qualifications:

-5+ years of experience in the role of a Party Chief.

-Ability to perform and work as a two or one person crew utilizing robotic total stations and GPS equipment.

-Experienced in ALTA/ASCM surveys, boundary surveys, topographic surveys and construction layout on large commercial and residential projects. AutoCAD experience a plus.

Please send Resume to: Harry E. Cole and Son, PO Box 44, Plantsville, CT 06479 or email to szajac@hecole.com.

-
- **Licensed Land Surveyor** - Lenard Engineering, Inc., an established civil and environmental firm with offices in Glastonbury and Winsted, CT is looking to expand our land surveying and mapping departments. Our ideal candidate will be a highly motivated Land Surveyor licensed in Connecticut, with the ability and desire to also obtain a Massachusetts registration in the near future. Proficiency in boundary, topographic, utility, GIS and construction stake out surveys is desired. In addition, a strong knowledge of AutoCAD mapping and basic civil engineering design is required.

Send cover letter and resume to Jim Bancroft, General Manager, Lenard Engineering, Inc., 2210 Main Street, Glastonbury, CT 06033, or email to jobs@lenard-eng.com. Affirmative Action / EOE.



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Classified

Hartford County continued...

BSC Group - Join our dynamic group of Professional Surveyors, Landscape Architects, Engineers and Environmental Scientists with offices in Connecticut and Massachusetts. We are currently in search of a talented of the following to work as part of the **Glastonbury** BSC Group Survey Department. The successful candidate will contribute to the preparation and production of boundary, topographic and existing conditions location surveys, subdivision plans, land preservation surveys, metes and bounds descriptions, exhibits, as-built record drawings and other land surveying and civil engineering related work.

- **Survey CADD Technician**

The responsibilities and competencies of this position include, but are not limited to:

- Ability to produce finished Survey drawings in a Civil 3D CADD environment
- Understanding of digital field books, field codes and field-to-finish Survey techniques
- Ability to process and edit line work, figures and surface models
- Assist, monitor and advise with the development, documentation and communication of best practices of CADD technologies
- Manage CADD standards, content libraries and templates
- Engage with project teams to strategize, employ and maintain an effective CADD strategy for project deliverables
- Assist in performing field visits required to support design
- Organize and assist with maintenance of CADD project records
- Perform quality control and quality assurance reviews of drawings
- Effectively manage time and avoid distractions
- Proven ability to work with minimal supervision
- Ability to respond to difficult situations and compressed time frames
- Participate on teams involved with multiple projects
- Report pertinent progress information to Project/Department Manager in an organized manner

Required Education, Experience and Skills:

- High School Diploma (college degree preferred)
- Formal CADD training
- Proficiency using AutoCAD and Civil 3D software (2015 preferred)
- Prior experience in Land Surveying

- **Survey Party Chief** – requires excellent knowledge of field to finish survey techniques using total station and leveling equipment. Knowledge of GPS data collection is desirable. Responsibilities include performing existing condition/topographic surveys, boundary surveys, and construction staking. A minimum of 5-6 years of field experience, valid driver's license with clean driving record, and excellent math skills. Associate's or Bachelor's degree a plus.

Continued on page 24...



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Classified

Hartford County continued...

- **Survey Technician/Instrument Operator** – Must have a minimum of 2 years' experience using total station & electronic data collector. Experience with Carlson and Civil 3D is a plus. Candidates must have high school diploma, valid driver's license with clean driving record, and good math skills.

BSC Group offers a comprehensive salary and benefit package including vacation and sick time, medical, dental, 401(k), life and disability insurance.

How to Apply

Qualified candidates should send a resume with cover letter to: Human Resources Department BSC Group, Inc. 803 Summer Street Boston, MA 02127 Email: info@bscgroup.com Fax: 617-896-4301

No telephone calls, no recruiters, please.

BSC is proud to be an Affirmative Action/Equal Opportunity employer. Women, minorities, persons with disabilities and veterans are encouraged to apply.

Anchor Engineering Services, Inc., a multi-discipline Engineering, Surveying and Environmental firm, is seeking qualified, motivated individuals to fulfill the following positions:

- **Entry Level Land Surveyor** - Math and map reading aptitude, ability and willingness to work outside year round. Field data collector, total station, Global Positioning System (GPS) experience desired but company will train the right person. Must have valid driver's license.
- **Field Surveyors** - Instrument Operators and Crew Chiefs, 1-7 years exp. Data collector, total station exp. required, GPS experience helpful. Pay commensurate with experience.

Benefits including health/dental insurance, 401(k) plan and vacation. Please send resume to: Anchor Engineering Services, Inc., 41 Sequin Drive, Glastonbury, CT 06033. careers@anchorengr.com EEO/AA

- **Land Survey Manager** - Freeman Companies is a multi-discipline consulting firm in Hartford, CT. We are currently seeking a qualified Licensed Survey Professional(s) to lead our survey staff. Previous project management experience, including project development / marketing is a plus. The qualified candidate will oversee a wide variety of planning, design, and construction surveying projects. Daily responsibilities include working with project managers to ensure effective and timely completion of surveying deliverables, interface with clients, manage daily work activities of party chiefs. Must currently hold a Professional Land Surveying License. Familiarity with Static GPS Survey Technologies, use of Robotic Total Station and familiarity with High Definition Scanning

Pay and benefits commensurate with experience.

Please email resume to jkeen@freemancos.com for consideration.



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Hartford County continued...

- **Land Surveying Technician** – A Surveying and Engineering firm in East Windsor, CT is looking for a full-time survey technician for office and field work. Requirements are proficiency with AutoCad Civil3D and two years of experience. Familiarity with computations, research, GPS , Flood Elevation Certificates and an Associates Degree is desirable. Compensation and benefits commensurate with experience.

Please reply with a resume and cover letter to lnoble@jrusso.com.
We are an affirmative action/equal opportunity employer.

Middlesex County

- **Instrument Person** - We currently have an opening for an Instrument Person in our Cromwell, CT office. Practical knowledge of land surveying practices is required. Skills in using total stations, GNSS equipment, robotic instruments and data collectors a plus. Applicants should have the ability to travel for work. A high school diploma or equivalent is required. A minimum of three (3) years of survey experience is preferred. OSHA 40 hour training and OSHA construction certificate a plus. All successful applicants will have back ground checks, will be drug tested and will be subject to random testing throughout the year. An Affirmative Action/Equal Opportunity Employer.

Please send resumes to : contact@lrconsult.com

LOOKING FOR WORK

Middlesex County

- **Experienced Rodman/Field** looking for full-time position in Connecticut, preferably Hartford, Middlesex, or New London Counties. Call the CALS office for contact information.
-

New London County

- Civil Engineering Student at Three Rivers Community College seeking summer work in Eastern Connecticut. Has survey field work experience.

References available upon request. Contact Colin Pailthorpe (colinpailthorpe@gmail.com).

- Construction Management/ Civil Engineering student at Three Rivers Community College looking for summer internship in Hartford, New Haven or Middlesex Counties. Past experience includes working outside landscaping self-employed, working as a mason's helper and for a forestry consulting company. Please contact Ben Coughlin at benjamin888@sbcglobal.net or 860-798-6547.
-



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PLEASE SUPPORT YOUR SUSTAINING MEMBERS

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jcarlson@carlsonsw.com

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