

The TBM Newsletter of the NHLSA

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by the

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NSPS

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of Professional Surveyors

"When people tell me
"You're going to regret
that in the morning," I
sleep until noon because
I'm a problem solver."

~ Anonymous



Photo credit: Jodie Gedeon
As seen on WMUR - ULocal Photos, Shared on Facebook



Chasing the Rainbow in Boscawen, NH - July 13, 2020

Deadline for Advertising and Articles

The TBM Newsletter of the NHLSA is published monthly.
Copy and ad deadline is the 1st of each month.

Inside this issue:

<i>Classified</i>	2
<i>Been There, Done That</i>	6
<i>I Found It—Now What Is It?</i>	8
<i>Where Am I?</i>	11



Want to become an Owner with one of *Maine's Best Places to Work*? Would you like to work with one of the largest survey staffs in the State with a reputation for quality work and use of innovative survey technologies? Sebago Technics, a **100% employee-owned**, multi-disciplinary engineering consulting firm, located in South Portland, Maine, is currently seeking candidates for **Project Surveyor – PLS**. If you have the qualifications, enthusiasm, and desire to be part of a fast-growing, industry-leading company, this is a great opportunity! We'd love to hear from you!

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Want to work for a company that is **stable AND growing** during these uncertain times? Due to our continued expansion, we are looking to recruit a *passionate and driven GIS Specialist*, with extensive experience in all conventional aspects and principles of Geographical Information Systems to meet the needs of internal/external project development and design. Sebago Technics is a **100% employee-owned**, multi-disciplinary engineering consulting firm, located in South Portland, Maine. If you have the qualifications, enthusiasm and desire to be part of a fast-growing, industry-leading company, this is a great opportunity. We'd love to hear from you!

Interested individuals can apply directly on our website at: <https://www.sebagotechnics.com/who-we-are/careers/>

Sebago Technics is an Equal Opportunity/Affirmative Action employer.

July 29, 2020

Re: fall surveying education options at University of Maine



Dear surveying state society:

The University of Maine will continue to accept applications for the fall semester until Aug.21 . Our current online options and how to apply can be viewed at <https://online.umaine.edu/surveying/> and are:

- (1) Undergraduate certificate in surveying engineering technology (new)
- (2) BS in surveying engineering technology (ABET ETAC accredited)
- (3) Graduate certificate in surveying engineering
- (4) Professional Science Masters in Engineering and Business surveying engineering option

Out-of-state students enrolled in a UMaineOnline degree or certificate program receive a low tuition e-rate which is in-state*1.25.

Questions on admission to the certificate, or other UMaineOnline programs, should be emailed to tiffany.peterson@maine.edu. Surveying-specific questions should be directed to SVT program director, ray.hintz@maine.edu.

No surveyor should not have educational opportunities no matter their location. Thank you for your help in getting the word out.

Ray Hintz
Surveying Engineering Program Coordinator

We're Hiring!

→ Survey Department Manager ←

Do you want to join an award-winning, well established, progressive company that promotes respect, collaboration and have a passion for giving back to the community?

Do you have experience in boundary, topographic, and marine surveys; ALTA surveys and title surveys; utility, route, and ROW surveys; subdivisions, precise construction layout and as-built surveys?

Are you licensed in NH or MA as a Land Surveyor (LLS), with licensure (or ability to obtain licensure) in other New England states?

Do you have 10+ years of applicable land survey experience and are proficient with data processing and plan preparation in ACAD Civil 3D and Carlson Survey software?

Would you like the opportunity to manage the office staff and field personnel to ensure the technical accuracy of all survey work performed by the office, for writing proposals, preparing cost estimates, managing project budgets, and soliciting new work, as well as for scheduling the field and office personnel and equipment?

Then express your interest in joining our team by submitting a cover letter and your resume to:

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FAX: (603) 472-9747 or Email: mmurray@tfmoran.com

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Loved the article about the Surveyor and Planning Boards. It was funny reading as I recalled some of my own experiences with Planning Boards. 😊

Don Dostie



Date: Sun 8/2/2020 11:05 AM

From: Marc Cheves <marc.cheves@chevesmedia.com>; Editor, The American Surveyor

Subject: More tick news

Wonder how long it will be before we see this on our shores?

<https://www.popsoci.com/giant-tick-hunts-spreading/>

JUST TO CLARIFY

In the May issue of *The TBM*, we published some guidance from the NH Joint Board of Licensure and Certification regarding CEUs being waived. There was still some confusion about whether or not you still needed to renew your license and just the CEUs were waived or if renewing your license was also waived. We received this first message from a member who has renewed and the second message was forwarded from a member who still had questions, and this is the response from Christine Horne, from the NH Joint Board.

I just renewed. I can confirm that the renewal fee still needs to be paid. In the CEU section of the renewal are instructions for utilizing the emergency orders CEU waiver.

You can use the COVID waiver. When you renew online you will see the option of the waiver. You will not need to put any CEUs in. Please keep in mind using the waiver does not allow for any carryovers for the 2022 renewal period.

Regards,
Chris

Dastardly Deed

Well, thank goodness for the assessors. Where would we be without their scaled distances, mashed together boundaries, and particularly, the GIS maps where the parcels are not even close to aligned with reality and it shows the neighbor's house over the boundary line. Maybe that is what's next "along with all the area and chattel inside the neighbor's house that is over the boundary line as shown on the Our Town GIS." At the very least kudos to the attorney for attempting to put in a valid distance.

Deeds at Book 1731, Page 31, a distance of 278 feet, more or less, Easterly by land now or formerly of the said Butterfields, a distance of 255 feet, more or less; and Southerly by land now or formerly of John V. Jette and Jane G. Jette, a distance of 185 feet (as shown on the Stratham tax map), more or less; said premises being bound by cement posts on both ends of the Southerly line.

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**Been There, Done That:
Another Tale From A Country Land Surveyor
*Literally Following In The Footsteps***

By Edward Goodrich, Jr., LLS 677

Do the initials TSI or DBH mean anything to you? How about the words: pruning saw or Dot-Tally Sheets? Can you tell the difference between a red oak tree and a white oak? How about a white pine and a red pine tree? Many land surveyors have had some forestry training, and it comes in handy when you need to properly identify trees called for in deeds. You surely don't want your map to be claiming that the corner is beside a white pine tree and it's really beside a hemlock!

Back during the oil embargo of the 1970s, survey work was slow, yet merchantable timber trees kept growing. My boss at the time, a forester and surveyor, had three field crews. He didn't want to lay off any of us youngsters, so he gave us forestry work to do. My partner was Tom, a four-year forestry graduate. We did a lot of TSI, timber stand improvement work. Let me tell you, nothing will make you want to become a land surveyor more than pruning white pine trees in hot humid weather! I may be wrong, perhaps you like sawdust in your eyes and down your neck. I was however, able to improve my chainsaw skills. I became pretty good at sharpening a chain and then double girdling red maple trees to cut the bark, kill the unwanted tree and weed the forest gardens.

I also got the chance to use my very own crafted Biltmore stick. The Biltmore stick is a great measuring tool to find the diameter at breast height of trees, the DBH. The stick looks like a yard stick that was made by an intoxicated woodworker; the measurement marks are not equally spaced. To use the stick, you place the zero end of the Biltmore against a tree. You line it with one edge of the tree and eyeball the graduation mark on the stick that lines up with the other edge of the tree that you can see.

I still chuckle today when I recall some of those two-man timber marking crews. One person with the stick and paint gun, one person with the book of dot tally sheets. The painter calling out, "twenty-two, two." It sounded like a train whistle coming. The tally person could see the tree, note the species and record that the tree was a 22", DBH, for two good logs tall.

Land surveying and forestry share several things besides measuring and being an outdoor profession. People rely on the professional work that you do. Even professionals can make mistakes. Mistakes are inevitable, but it's how you handle the corrections that counts.

Outdoor professionals don't get lost in the woods. This is important, outdoor professionals don't get lost in the woods! That would be a mistake, wouldn't it? Daniel Boone, that famous American guide of the late 18th and early 19th century once said that, "I can't say I was ever lost, but I was bewildered once for three days." Now that's a pretty good spin on a mistake.

I can't say I was ever lost, but I was bewildered once for a half a day.

Tom and I were marking timber on a 600-acre parcel on the side of a small mountain. We had been there for a week or more and we were pretty confident that we knew our way around. First, we had blazed and painted the perimeter to be sure that we didn't go astray, then we marked off an area for a log landing that would be the base of operations for all that followed.

We started out assessing the timber with a paint gun, Biltmore stick and dot tally book. We carefully marked all of the trees destined for harvest by placing a paint dot on the log landing side of the tree about breast high. We also placed a paint dot on the root collar of the tree so that the loggers wouldn't make a mistake, redundant markings. The loggers would fan out from the landing after we had finished and easily see which trees were chosen to cut as they moved out.

It was late fall and frequently overcast while we were working on this lot, therefore our inner, solar compasses needed constant adjusting, but we thought that we were careful every day.

One morning we arrived on the site after a 3" – 4" snowfall the night before. Damn! Not enough snow for snowshoes, but enough to slow us down and make this wet and slippery going. The sun didn't really come out that day, but it didn't snow anymore, so we trudged up through our previous work to reach the area for today's efforts.

Lunch time came and we found a couple of downed trees that made nice benches where we could sit and enjoy our cold sandwiches. Refueled, I needed to relieve. I walked over to a tree that had been marked just before lunch and took care of my personal release. Zipping up, I turned around and to my horror, I saw a paint dot on the other side of the tree.

How could that be? Paint dots on two sides of the tree? And, it was our paint! We knew how that could be, we just didn't like it! Tom and I huddled. After using up our spare vocabulary options, we then started to fix our mistake. Luck and Mother Nature were on our side.

Yes, old Mother gave us the overcast sky that wrecked our inner compasses, turning us around, but she also gave us great tracking conditions.

Tom and I decided to start new tally pages, where we would follow in the footsteps of those negligent, previous tree markers and record the data on every double marked tree.

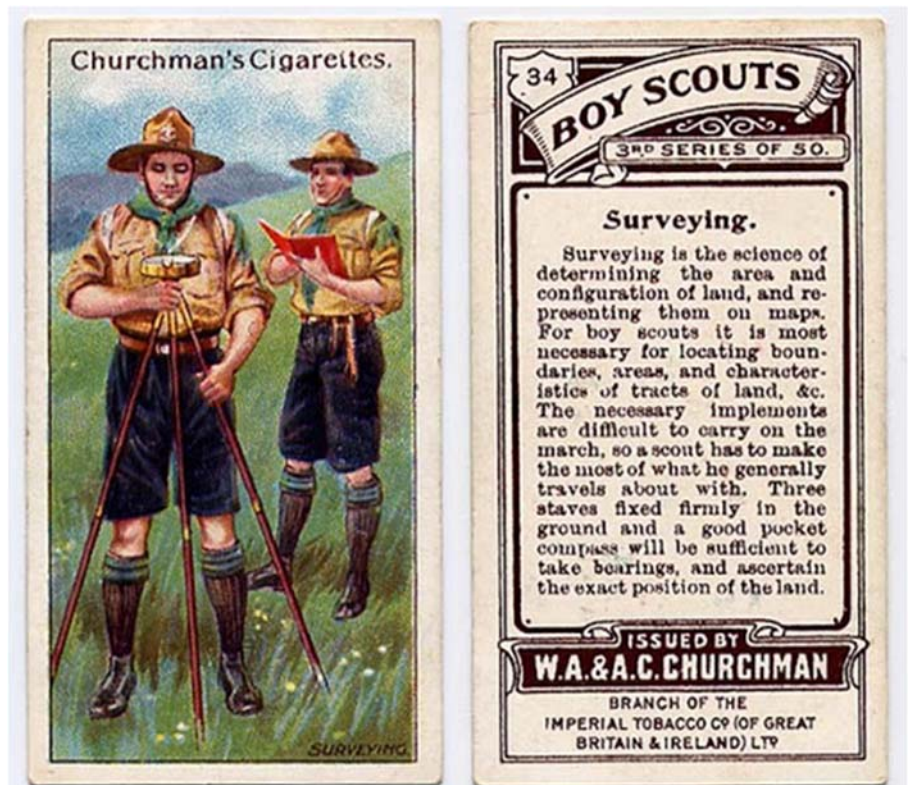
The previous cads have left a nice path to follow, and we soon came to the place where we found trees with only one paint dot. Packing up we trudged downhill. Back at the office, we stayed late and corrected the tally sheets with the heat of the office burning our cheeks red.

Were we lost? No! Bewildered? Briefly. We just followed Thomas M. Cooley's advice. Cooley, the Chief Justice of the Michigan Supreme Court in 1881, authored, "THE [QUASI-]JUDICIAL FUNCTIONS OF SURVEYORS." Cooley instructed land surveyors to follow in the footsteps of the original surveyor. We found out that foresters can do that too.

Old Ads with Surveyors

Start them early. When I was a Boy Scout, the closest I got to surveying was getting my Orienteering merit badge. It is interesting that this is a card from a pack of cigarettes. I suppose they were trying to get the young smoker demographic to join up with the Boy Scouts. A different time to be sure.

Photo courtesy: Alan M. Barnard, LLS



Did You



You can "rewire" your brain to be happy by simply recalling 3 things you're grateful for every day for 21 days?



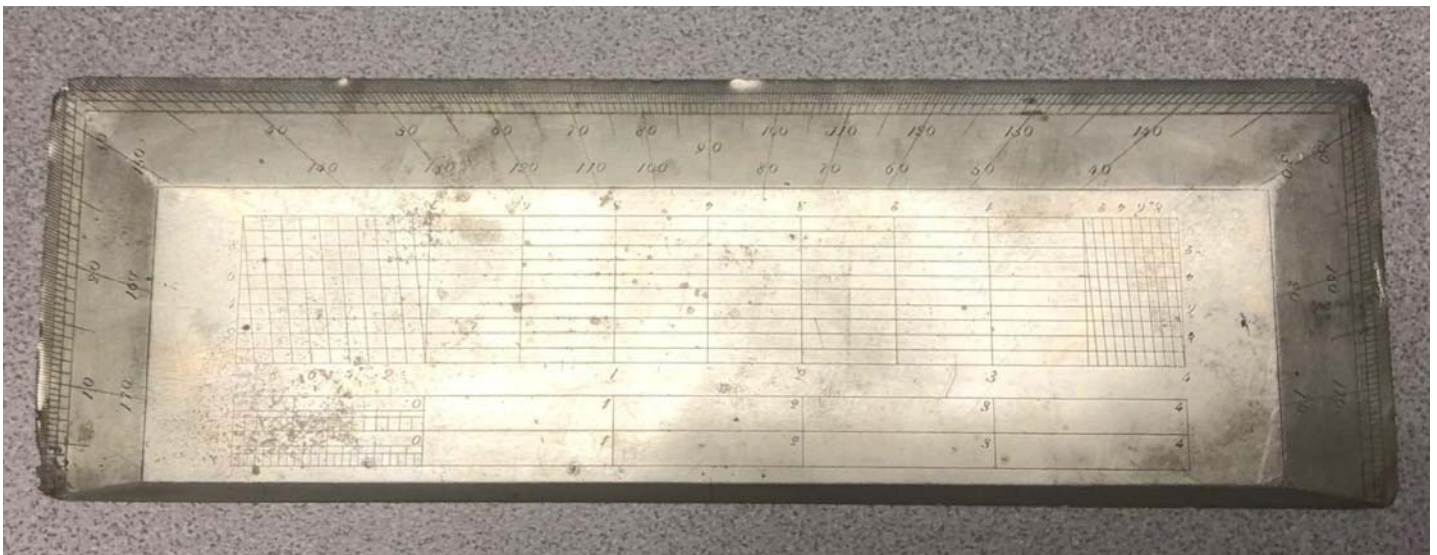
I Found It—Now What Is It?

This month's mystery item comes from President Elect Steve Ferguson.

It's a scale, duh. But how is it used? It's smaller than a bread box, 0.23'x 0.72' and possibly brass. It also fits in your hand, quite nicely. What I know is that it was used by a Surveyor & CE sometime in the late 1800's through the early 1900's. He surveyed for either a large baked bean company, or a large railroad, as well as in his own private practice.

Even though the object resides with me, the answer to any question about it has yet made its way toward me.

If you can identify the item, please email Barbara at info@nhlsa.org.



I Found It – Now What Is It? Responses

We received two responses for last month's mystery item. We're always looking for new items. If you come across something unusual, whether you know what it is or not, send it to Barbara at info@nhlsa.org.



Hey Barb,

Hope all is getting well with you. Thank you for all you do for the association. My guess is a clay brick mold. The initials for each brick would come out as "P & M" (I believe it to be The Powell & Minnock Brick Company; originally out of New York; locally in Watertown, MA). Here is a link for more details on P & B along with other Brick Companies <https://brickcollecting.com/collection2.htm>

I recently "acquired" some old bricks from my dad's property in Victory Vermont. They are labelled DON.BCo for The Donnelly Brick Company. See word doc with photo inserted (attached herein). Keep on keepin on!

Mark VH

Hi Barb!

I hope you are well. I think the July mystery item is a form used for making bricks. Stay safe (& cool)!

Michael Gavitt, PLS, LLS



Barb, how many hundred pounds of stone does an LLS need to pile down around a granite bound to keep a NH hemlock from uprooting.....? This bound is on Shaker Mountain in Enfield along a remote section of boundary marking the NH Fish and Game Lower Shaker Wildlife Management Unit.

Dennis D. McKenney, LPF #61/LLS #691

Fall Quarterly Seminar & Business Meeting

Date: September 17th

Location: Pheasant Ridge Golf Club, Gilford, NH

Virtual: Zoom login will be emailed to all registrants

Agenda: Seminar Speakers & Topics 8am-4pm

Session 1: Brian Burford - "The State of Vermont v. The State of New Hampshire" 289 US 593

Session 2: Raymond Hintz - LiDAR, Photogrammetry, Drone/UAV, conventional airplane, ground survey, existing data—which one do I use?

Session 3: Mark Condodemetraky - FEMA and flood—the do's and don'ts for surveyors

Session 4: Knud Hermansen - Lines of Possession

Business Meeting - 4:15 - 5:00pm

Executive Committee Meeting - 5:00-6:00pm

For a registration form, email Barbara at

info@nhlsa.org.



2020 National Trig-Star Scholarship Winner Announced



Congratulations to Joel Edwards for being selected to receive the \$5000 Trig-Star scholarship. Having already earned his Associates Degree, Joel is currently enrolled in the surveying program at Vincennes University. Joel says, "Growing up on a farm, I have always had a basic understanding and interest in land and property rights. In my sophomore year of high school, a local Surveyor came into our school to host the Trig-Star competition, and to give a presentation describing what surveying is all about. That experience led me to do more and more research on surveying, and I came to the conclusion that it best fit my skills and experience."

Editor's Note: *Although the New Hampshire Land Surveyors Foundation has not sponsored the Trig-Star program for the past couple of years, we wanted to share the news of the NSPS winner. Below is a copy of his submitted essay.*

Hello, my name is Joel Edwards. Growing up on a family farm, I have always had a basic understanding and interest with land and property rights. In my sophomore year of high school, a local surveyor came into my school and gave a presentation describing what surveying is all about and hosted the trig star competition. I found his presentation to be quite intriguing and was elated to receive the Trig Star Award for winning the competition. Due to this experience, I began doing more and more research on surveying and came to the conclusion that it best fitted my skills and interests. In 2018, I graduated Valedictorian of my class, receiving an academic honors diploma. In the fall of 2018, I began my studies at Vincennes University. Since then, my appreciation and interest for the surveying profession has only grown. I have enjoyed receiving a "hands on" education at Vincennes University understanding both field and office practices. At the end of my freshman year, I received the Benchmark Award for displaying diligence and excellence in my coursework. This past summer, I began working for Randall Miller and Associates. I learned a great deal observing real world situations with skilled professionals and was able to apply some of my schoolwork to practice. I also received a scholarship from my local chapter, the Wabash Valley Chapter of ISPLS.

This May, I will receive my Associate's of Science in Surveying Technology. After that, I will pursue a Bachelor's in Surveying Management at Vincennes University. Eventually, I hope to become a Licensed Surveyor in the State of Indiana. I am unsure of exactly what route to take when it comes to surveying. I definitely enjoy traditional surveying such as research and retracement. However, I am also intrigued by the many methods in gathering data such as LiDAR acquisition. This scholarship will help me financially and will provide me with the opportunity to learn more about the practice of land surveying for my future career. Thank you for this opportunity. I hope to hear from you soon.

Sincerely,

Joel Edwards

Congratulations



Paul & Barb,

So, I had a random thought earlier today. I was remembering how much I enjoyed the year that the NHLSA calendar was a "Where Am I?" for each month. Would it be of any interest to do something similar to the "I Found It – Now What Is It?" A photo can be submitted, then the following month members guesses and a short write up about the location would be published.

Emily Hayes, SIT
Vice Chair, Young Surveyors Committee

So with that thought, we are introducing a new segment inspired by the 2016 calendar that Mark Stevens put together on the "Where Am I?" theme.

Please submit your guess to Barbara at info@nhsla.org

Here it goes, the first photo in this series, Where Am I?



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