

The TBM Newsletter of the NHLSA

Volume 22 Issue 1

HAPPY NEW YEAR!!

January 2020



The TBM is published
by the

**New Hampshire Land
Surveyors Association**

PO Box 689
Raymond, NH 03077
03077-0689

Telephone:

800-698-5447 (in state)
603-895-4822

Fax:

603-386-6856

Web Site:

www.nhlsa.org

E-mail:

info@nhlsa.org

Publications Director

Paul Dobberstein, LLS

TBM Editors

Roscoe Blaisdell, LLS

Barbara Cormier

Dave O'Hara, LLS

Emily Hayes

Bob A. Smith, LLS

Mark C. Stevens, LLS



Livermore Falls

Photo submitted by Emily Hayes

The TBM, Newsletter of the NHLSA is published on a monthly basis. It is not copyrighted and articles may be reprinted with due credit. The New Hampshire Land Surveyors Association assumes no responsibility for statements made or opinions expressed in this publication.

Contributions are encouraged. Articles, advertisements, and comments may be sent to info@nhlsa.org.

Deadline for Advertising and Articles

The TBM Newsletter of the NHLSA is published monthly.

Copy and ad deadline is the 1st of each month.



NSPS

Affiliated with the National Society
of Professional Surveyors

"The season of failure is
the best time for sowing
the seeds of success."

~ Paramahansa
Yogananda

Inside this issue:

<i>Greetings from the Publications Director</i>	2
<i>Suddenly They Are Everywhere - Who Are Those Guys?</i>	4
<i>Saving the Equipment at the Thompson School</i>	10
<i>50th Anniversary Memorabilia</i>	15

Greetings from the new Publications Director

Mark Stevens first approached me about assisting with publications at the 2018 Annual Meeting. He had agreed to serve one more year to ensure that our 50th year had strong leadership and experience in one of the Association's most visible products. He asked that I assist with editing (along with several others) the draft TBMs and to assist with ideas for content. The thought was that Mark would share his wisdom and I could see how the process works in order to take up the mantle once he had finally, truly, had enough.



While I generally did my best to get edits back to Barbara and Mark in time for publication, there were times where it just sat on my desk waiting until the finished product had been produced. Likewise, I offered little in terms of providing content and ideas for articles, etc. Mark was always patient and never pushed me to be more involved than I was, excepting the occasional nudge to suggest that we needed to meet to go over things, and of course there was the time I promised him an article by the submission deadline of the 1st, it was the 3rd and he didn't have it yet. Now there is no hiding, delaying, or procrastinating (though I sit writing this on January 1, technically the submission deadline). I fully recognize the huge shoes I must fill. Mark has done a fantastic job producing not only *The TBM*, but *The Benchmark*, calendars, and the Association's other publication needs. It is reassuring to me that I have Mark there to answer questions and provide guidance as I feel my way into this new role. I also lean heavily on the experience and knowledge of our intrepid Executive Administrator, Barbara Cormier. She works closely with the Publications Director to produce the final product; we couldn't do it without her.

As thankful as I am to have the learned support of Mark and Barbara, I will not be able to be successful without the full support of you, the members of our Association. There is a wealth of knowledge, creativity, and wit within our ranks, so don't be shy! Send along ideas for articles, interesting finds, photos, dastardly deeds, or any other items that you think the other members might enjoy. Naturally, your feedback, whether it be critiques, suggestions, compliments, is vital, and I welcome it.

I look forward to the challenge of following in Mark's footsteps, and I look forward to working with all of you to keep our publications entertaining, informative, and hopefully, award winning. Contact me at any time, pad@ambitengineering.com.

-Paul Dobberstein

Dastardly Deed

Well.....!! Am I sensing correctly that the writer of this dastardly deed was in a snippy mood?

This deed covers exactly the same premises and is subject to exactly the same easements and conditions as are described in the deed from James Moore to Louis L. Kontos dated July 9, 1941 and recorded in Merrimack County Records, Book 588, Page 131, and the purpose of this deed is to try to make it easier for people who have not the time or inclination to understand the earlier deed to see just what was conveyed by it.

The execution and delivery of this deed is not to be considered as affecting in any way whatsoever the mortgage given by said Kontos to said Moore dated July 9, 1941 and recorded in Merrimack County Records, Book 582, Page 249.

AFFILIATE

Glenn Griswold

Norway Plains Associates, Inc.
PO Box 249
Rochester, NH 03866
603-335-3948 (o)
207-469-8585 (h)
ggriswold@norwayplains.com

**NHLSA WELCOMES NEW
MEMBER FOR JANUARY**



In Memoriam

Richard D. Bartlett, LLS 178
NHLSA 21st President
October 28, 1937 ~ November 11, 2019

Condolences to the entire Bartlett family. \$100.00 has been donated to the New Hampshire Land Surveyors Foundation's Scholarship Fund in Dick's memory.



Phippsburg, ME - On Monday, November 11, 2019, Richard D. Bartlett passed away at age 82. He was born in Plymouth, NH to Woodrow and Jean (Newdorf) Bartlett on October 28, 1937. He leaves behind his wife Nancy (Ceriello) Bartlett, sons Rick of Kula, HI; Thomas (wife Darby) of LA, CA; daughter Elizabeth Lenex of Andover, MA; nine grandchildren, Ricky, Colin, Abigail, Shaylah, Lucas, Skyler Bartlett; Jordan, Jason, Hannah Lenex; great grandchildren, Juliet and Patrick Schuitt. Sisters Karen Carlson of Hopkinton, NH and Elaine Gibbons of NYC, NY. Nephews Robert Gibbons, Joshua Carlson, Michael and Steven Savage; nieces Lisa Cook and Kirsten Arendes.

He received a BS degree in Civil Engineering/Land Surveying from New England College in 1963 and owned and operated a successful land surveying business in Concord, NH for many years. He served on the boards of the Concord Regional Visiting Nurse Association, Concord Hospital, Concord Group Insurance, and Concord Boys and Girls Club.

Since his retirement, he and Nancy moved to their home in Small Point, Maine where he celebrated his 82nd birthday surrounded by his family. His request was that no funeral be held. He will be fondly remembered by family and friends as a loving father, grandfather, and husband.

To share your thoughts and condolences with the family, please visit www.desmondfuneralhomes.com.

To send flowers to Richard's family, please visit our [floral section](#).

Services

A service summary is not available.

Donations

Boys and Girls Club

55 Bradley Street, Concord NH 03301

Tel: 1-603-224-1061

Email: emond@centralnhclubs.org

Web: <https://www.centralnhclubs.org/>

2020 Officers and Directors

PRESIDENT

ERIC C. MITCHELL
 38 South River Road
 Bedford, NH 03110
 603-627-1181

PAST PRESIDENT

J. COREY COLWELL
 170 Commerce Way
 Portsmouth, NH 03801
 603-431-2222

DIRECTORS

NSPS DIRECTOR
JOHN R. CHAGNON
 200 Griffin Road, Unit 3
 Portsmouth, NH 03801-4255
 603-225-6770 x308
(2019-2021)

PUBLICATIONS DIRECTOR
PAUL DOBBERSTEIN
 200 Griffin Road, Unit 3
 Portsmouth, NH 03801-4255
 603-430-9282 x309
(2020-2022)

PRESIDENT-ELECT

STEVEN M. FERGUSON
 PO Box 115
 Concord, NH 03302-0115
 603-271-1600

SECRETARY

RAYMOND T. CRITCH
 53 Skytop Drive
 Newbury, NH 03255
 603-873-4039 x2401

PROF. PRACTICE DIRECTOR
JOSHUA MANNING
 54 Sawyer Avenue
 Atkinson, NH 03811
 603-362-5333
(2019-2021)

GOV. AFFAIRS DIRECTOR
MARK CONDODEMTRAKY
 635 Main Street
 Laconia, NH 03246
 603-524-8023
(2020-2022)

VICE PRESIDENT

MITCH CUMMINGS
 7051 School Street
 Loudon, NH 03307
 603-856-7854

TREASURER

WENDY PELLETIER
 185 Winchester Street
 Keene, NH 03431
 603-209-1989
(2020-2022)

EDUCATION DIRECTOR
VACANT

EXECUTIVE ADMINISTRATOR

BARBARA CORMIER
 PO Box 689
 2 Moulton Street
 Raymond, NH 03077
 603-895-4822

Suddenly They Are Everywhere Who Are Those Guys?

By Mark Stevens

Chances are good that a year ago you had never heard of the NHLSA Young Surveyors Committee (YSC) and now suddenly they seem to be everywhere. These young surveyors recently received awards at the 2019 Annual Business Meeting, where they also organized and hosted the Surveying Olympics competition. The YSC made a splash on social media a few months ago when they jumped into the middle of the Mt. Tecumseh elevation controversy. They've been written about several times in *The TBM* and were also featured in the December issue of *New Hampshire Magazine*, and the *NSPS News & Views* electronic newsletter. They were also interviewed on the NSPS "Surveyor Says" podcast for their efforts on the Mt. Tecumseh project. The YSC maintains an active presence on social media with a Facebook & Instagram page, and they hold regular monthly meetings independent of NHLSA. Perhaps most significant, representatives of the Young Surveyor's Committee are now taking on leadership positions within NHLSA.

So, what exactly is this YSC that has recently exploded onto the scene? Or as Butch Cassidy famously repeated in the movie, *Butch Cassidy and the Sundance Kid*, "Who Are Those Guys?".... and where did they come from, and how did they get here so fast seemingly out of nowhere? The answer is that they were here all along, but not noticed by those who don't think in terms of social media. When someone pressed the Facebook button the young surveyors suddenly took off and hit the ground running.

It started in 2017, when Joshua Manning, the then and current NHLSA Professional Practice & Conduct Director, took over the position of NH NSPS Young Surveyors coordinator from Steve Michaud. Between 2014 and 2017, Steve had tried to get the group up and running, but had trouble finding interest amongst NHLSA membership. Josh decided to try something different. He created the first social media page and pushed the button. This resulted in a Facebook group independent of NHLSA and open to any young person with an interest in surveying. At the December 2017 Annual Meeting, Josh approached a few young members and spread the word about the new Facebook group. A handful of them joined the newly formed Facebook group.

In January of 2018, Josh went a step further and obtained the NHLSA membership list which he filtered by birth year, sifting out the names of anyone under 40-years old as a starting point to solicit further interest. He sent the following email blast out at the end of January 2018 to approximately 75 NHLSA members who met the birthdate criteria:

"Dear Members,

We would like to introduce the NHLSA Young Surveyors Network to you! The NHLSA Young Surveyors Network is just getting its feet on the ground and we appreciate the fact that you may be interested in helping, supporting and just being a part of it. We are excited to see what we can accomplish together and the benefits we will bring to the surveying profession in our State and our future.

The NHLSA Young Surveyors Network is modeled after the National Society of Professional Surveyors (NSPS) Young Surveyors Network. Our aim is to establish a statewide network of Young Surveyors within NHLSA and its affiliate organizations. The NSPS Young Surveyors Network was started in 2014 and was modeled after the International Federation of Surveyors (FIG) Young Surveyors Network. FIG's network started as a working group created in 2006 at the Munich FIG Congress. The reason that this working group was started in the first place was to bring more young surveyors into the network in FIG and because of the age structure within the surveying community.

In 2009, the working group was upgraded to a Young Surveyors Network and has been building ever since. A main focus of the group has been on networking and getting to know more people. This helps to expand our personal network, professional network and continues to entice people to be involved in the movement as we believe this is a strong motivator for many. Our intent would be to have something similar here in NH.

The NSPS Young Surveyors are defined as, surveyors aged 35 years or under, students of surveying or those surveyors within 10 years of graduating from a Bachelor or Master's Degree. In NH we would like to expand that age to 40 Years or under and open it up to anyone pursuing any kind of degree in surveying or pursuing licensure by any means. Every surveyor is welcome to join to the group; however, the focus is to provide support for those individuals that meet the definition.

Our first official meeting has yet to be held but this initiative has been supported by the NHLSA Executive Committee. We are very encouraged by the ideas, comments and visions we were able to discuss. Our goal would be to have our first meeting as an informal social gathering with a later meeting to follow where we would develop a Mission, Vision, and Organizational structure. We realize that these will change and evolve over time, but you have to start somewhere.

We have started working on our Social Media presence to spread the word and also attract Young Surveyors throughout the State. The NSPS Young Surveyors Network has grown significantly through the use of Social Media and we hope to do that as well. We have created a Facebook page for any members wishing to be involved.

After the email went out, there was an increase in traffic on the Facebook page and by August 2018, the Facebook group was up to 26 members that were having active discussions about the various surveying topics posted on the page. Forward momentum was slow for the remainder of 2018, but at the December Annual Meeting, Josh Manning moderated a roundtable discussion open to any young surveyor and posted an invite on the Facebook page:

Join us as we discuss topics relevant to being a Young Surveyor in our State. With the current age structure of NHLSA we are lacking with Young Surveyors involvement. This is a group that was formed last year in the hopes of getting more of us together in one place to discuss some of the issues young surveyors are faced with. We will use this roundtable as an opportunity to set some goals for moving forward and to formalize a mission for our group."

The roundtable was well attended and there was enthusiasm for forming a group or committee of young surveyors within NHLSA. There was also an expressed desire to meet monthly rather than be limited to NHLSA quarterly business meetings. During the roundtable, plans were made to hold their first official meeting. Josh indicated that he was willing to continue leading the informal group for a time but inquired if any member of the group was interested in coordinating the proposed monthly meetings and handling the notifications, etc. Eric Salovitch immediately volunteered. Shortly after this roundtable discussion the young surveyors on the mailing list received an email from Eric setting up the first official meeting of the Young Surveyors Group, to take place on January 15, 2019 at Paddy's American Grille in Portsmouth. More than a dozen young surveyors from all over the State showed up for this first meeting.



*January 2019, first official meeting of Young Surveyors Group
Clockwise around the table starting at lower left:
Ryan Fowler, Taylor Weiss, Jane Salvaggio, Brenda Kolbow,
Josh Manning, Matt Salvucci, Will Macduff, Tim Runnals, Phil Trombley,
Whitney Covil, Eric Salovitch, Mitch Cummings, Alex Camm*

At this first gathering, the group self-organized and made plans to meet regularly and would communicate via Facebook, a shared Google Drive, and email. Eric Salovitch emerged as an early leader and was instrumental in organizing this meeting. Eric took on the role of Chairman and became responsible for organizing future meetings, agenda items, and communication. Late in 2019, Emily Hayes was selected to serve as Vice Chair and provide backup and assistance. In March of 2019, an affirmative vote by the NHLSA Executive Committee authorized President Corey Colwell to appoint the members of this young surveyors Facebook group as an official NHLSA Ad-Hoc Committee. Director Josh Manning continued to contribute, support, attend group meetings, and act as liaison between the YSC and the NHLSA Executive Committee.

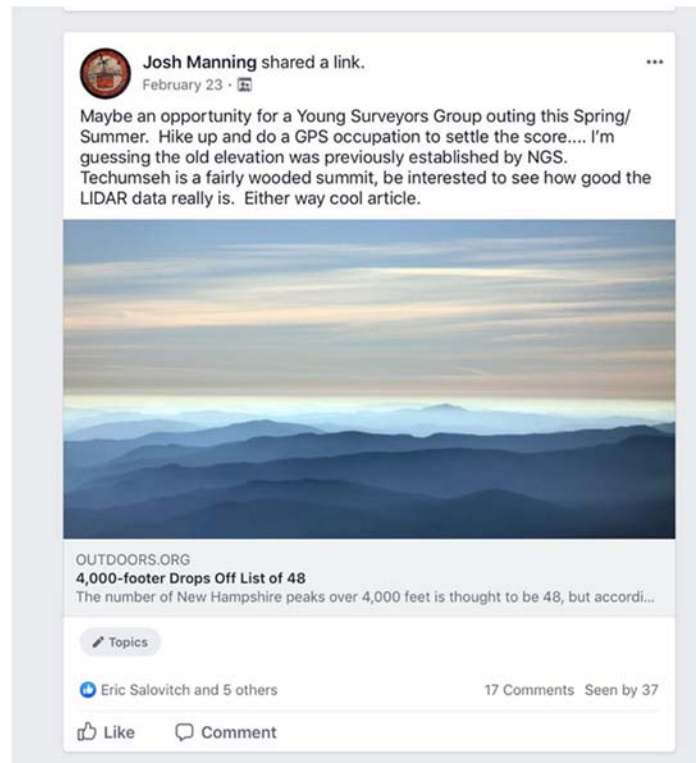
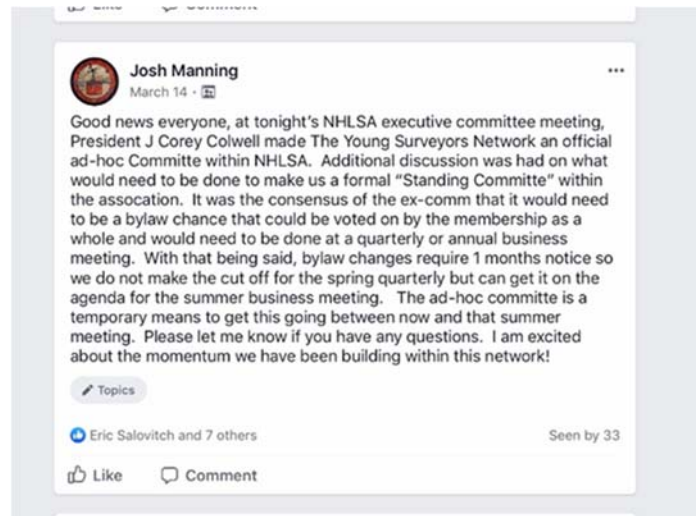
In February of 2019, Josh saw an article about a LiDAR survey of Mt. Tecumseh that potentially meant that it was less than 4,000 feet in height, which was causing some consternation in the hiking community. Josh shared this article via Facebook with the group and suggested that perhaps the NHLSA Young Surveyors Facebook group might be able to “settle the score”. The YSC took the bait, tackled the mountain, and made a name for themselves.

January 2020 will be the 1-year anniversary of the first official meeting of the young surveyors Facebook group now known as the NHLSA Young Surveyors Committee. After years of witnessing the “graying of the profession”, the difficulty of finding motivated entry level young surveyors, and the on-going struggle to fill vacant leadership roles within NHLSA, we now have an active vibrant group of young surveyors who suddenly seem to be everywhere. That’s a good thing. Happy 1st year anniversary Young Surveyors Committee!

Josh Manning, Emily Hayes, Mitch Cummings, and Eric Salovitch contributed to the writing of this article.

You can check out the Young Surveyors Facebook page at:

<https://www.facebook.com/groups/1774849645920943/>



Or their Instagram:

https://www.instagram.com/nhlsa_young_surveyors/



That the human body may seem minuscule compared to the size of the Earth, but that adults have so many blood vessels that if you laid them end to end, they could circle the planet’s equator, which is 24,901 miles, four times?

- Reprinted with permission from Tom Stekler, Executive Director; The Florida Surveyor, January 2020, Volume XXVIII, Issue 1.



WE ARE HIRING!



HANCOCK ASSOCIATES

Hancock Associates has been dedicated to excellence in land surveying, civil engineering and wetland science since 1978. We're currently seeking experienced, motivated and career-driven professionals to join our team. At Hancock, you'll get the opportunity to work on a tremendous variety of project scopes, sizes, intricacies and locations to keep you challenged and energized.



Want to work in Boston?

Hancock Associates is hiring for our new Boston division of H.W. Moore Associates. Our Boston office is located conveniently on East Berkeley Street and we have parking! Candidates shall have experience with ALTA, existing conditions, Land Court, GPS, construction layout, settlement monitoring, etc. for high-profile commercial, residential and infrastructure projects.

• Survey Field Crew Chief

- o Minimum of 5 years of experience in fieldwork with 1 year as a Chief-of-Party
- o Experience conducting boundary surveys and construction layout within the City of Boston
- o Experience with total stations, electronic data collectors and GPS equipment
- o SIT Certification a plus
- o Valid driver's license and willingness to travel
- o Position includes company truck

• Staff Surveyor

- o Minimum of 2 years of experience in fieldwork
- o Minimum of 1 year of office experience using AutoCAD Civil 3D
- o GPS experience and SIT Certification a plus
- o Degree in surveying or related field
- o Proficiency with research, calculations and CAD drafting
- o Ability to work outside on survey crew
- o Experience in Boston a plus

Want to get out of Boston?

Hancock Associates is hiring for our Marlborough office. Our office is located conveniently on Elm Street off Route 495 in a nice suburban environment with parking. Candidates shall have experience with ALTA, existing conditions, Land Court, GPS, subdivisions, construction layout, lot stakings, plot plans and septic systems for development projects including commercial, residential and infrastructure.

• Staff Surveyor

- o Minimum of 2 years of experience in fieldwork
- o Minimum of 1 year of office experience using AutoCAD Civil 3D
- o GPS experience and SIT Certification a plus
- o Degree in surveying or related field
- o Proficiency with research, calculations and CAD drafting
- o Ability to work outside on survey crew

• Project Surveyor

- o Minimum of 5 years of experience
- o SIT Certification preferred
- o P.L.S. license a plus
- o Ability to perform Staff Surveyor tasks (listed above) plus client contact, supervision of field crews, etc.

Qualified candidates should send a cover letter with salary requirements along with a resume to:
Hancock Associates, 185 Centre Street, Danvers, MA 01923 or HR@HancockAssociates.com

To learn more about Hancock and other career opportunities, visit www.hancockassociates.com

And The Winners Are...

They came, they competed and they conquered. The “seasoned surveyors” of NHLSA were challenged by the Young Surveyors to compete in their Surveying Olympics at the 50th Annual Meeting. The Young Surveyors had a blast refereeing the event. They laughed, a lot, heard numerous stories about “back in the day” and witnessed some serious skill. When it came to some of the events, they found the most common line throughout the day was “I haven’t done this in 30 years.”

The Surveying Olympics began as an idea in the mind of now Past President Corey Colwell. Fortunately, the office next to Corey’s at TFMoran belongs to Eric Salovitch, the current Chair of the Young Surveyors Committee. The “Olympics” were discussed between jobs on what seemed like a daily basis, especially after the winner’s medals arrived and were hanging from Eric’s cubicle wall. Eric presented the idea to the Young Surveyors Committee and they ran with it. Over the course of many monthly meetings, ideas were bounced around and the final six events were decided on. A method of scoring and scorecards were drafted by Mitch Cummings, a Young Surveyor and current Vice President of NHLSA. Tasks were divided amongst the volunteers; the winner’s medals were engraved and a t-shirt was designed for the event. Lastly, a ingenious spreadsheet was created by Scott Warren, a Young Surveyor from WSP, to calculate the winners.

So without further ado, the winners are:

Event #1 – Backsight Setup: Setup your backsight as quickly as you can getting it level and over the point. Jay Lapointe from WSP with a time of 0:27 seconds

Event #2 – 4 Peg Backsight Setup: Setup the transit as quickly as you can getting it level and over the point. Stan Prescott with a time of 0:38 seconds

Event #3 – Chain Throwing: Throw a 50’ chain as quickly as you can. **Stan Prescott** with a time of 0:31 seconds

Event #4 – Eyeball Level: Without using any equipment other than your eyes, guess the vertical difference to the nearest hundredth of a foot between tall points “A” & “B” (Bottom of trim & the floor) and short points “C” & “D” (Two pieces of tape on the wall).

Tall: Josh Manning guessed 7.81’ the correct distance: 7.82’
Short: Cliff Rober guessed 2.58’ the correct distance: 2.60’

Event #5 – Cone Toss: Stand behind the line and toss your cone in an attempt to land it upon the stationary cone, keeping them both upright. You have five attempts. Cliff Rober with two cones that landed perfectly

Event #6 – 100’ Pace: With a rod in hand, begin pacing from the line at the total station. Pace until you believe you’ve reached 100.00’, at which point you’ll turn around and we will take a shot.

Alan LaRose from New England Laser with a distance of 100.12’

Overall winner based on all 6 events:

Cliff Rober, his successful cone tosses put him on top!

Special Citations:

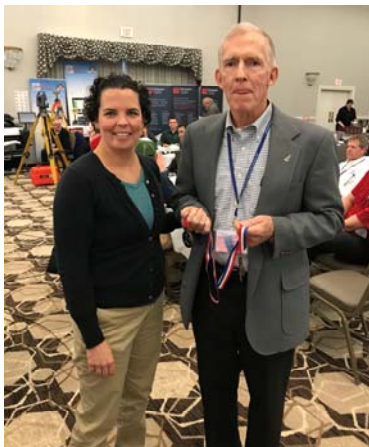
- Corey Colwell for being the first & most entertaining participant
- Alan Barnard & Bob Berti for showing the young surveyors something they had never seen, how to triple throw a chain
- Stan Prescott for defending his title “The King of Chain Throwing” which he has held for 39 years and now continues to hold.

The Young Surveyors Committee would like to thank everyone who supported us, participated in our event, and lastly to those who purchased one of our t-shirts.

Respectfully Summited
Emily Hayes, Vice Chair
Young Surveyors Committee

King

Stanley H. Prescott, LLS 504
13th NHLSA President





Josh Manning contemplating where to start



Wayne McCutcheon & Bob Smith



Bob Berti's triple throw demo



The chain throwing king, Stan Prescott



A proud Ed O'Brien
RISPLS President



Bill Doucet prepping for the 100' pace



Eric Salovitch presenting Corey Colwell
with his medal



A SPECIAL THANK YOU to Brian Burford at the NH State
Archives for donating these special medals.



**CONGRATULATIONS
TO OUR WINNERS**



Saving the Equipment of the Thompson School

By Paul Dobberstein

December 14, 2019 was another sad day in the rapid decline in the NHLSA's relationship with the University of New Hampshire. There were positives to be sure, and we hope to benefit the New Hampshire Land Surveyors Foundation, but it was melancholic nonetheless. As most members are aware, the University all but closed the Thompson School of Applied Science at the end of the 2018-2019 school year, eliminating the Civil Technology program that many New Hampshire land surveyors attended over the years. There is still hope that a survey class will be offered this spring. Adding insult to injury, the University has disappointingly decided to eliminate Continuing Education courses for land surveyors.

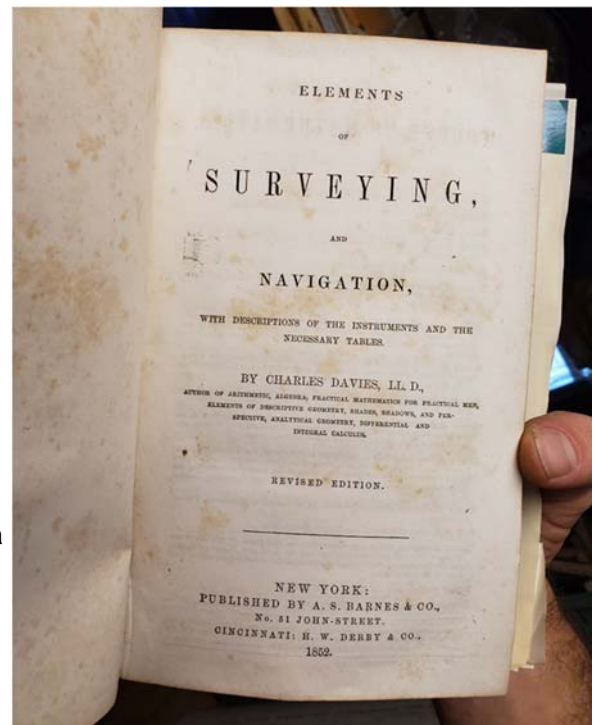
At the Annual Meeting Rich Vannozi, former instructor at the Thompson School, now at the University of Maine, Orono, spread the word to John Chagnon that the University had informed Ken Flesher, former head of the Civil Technology program at TSAS, that any items left in Putnam Hall by the end of the year would be discarded. John quickly assembled members of the leadership to discuss what we should do. Bob Moynihan, who for many, many years made the TSAS the stalwart of NH land surveying that it was, sent his inventory of instruments and other equipment that had been acquired and donated over the years. Keenly aware that time was of the essence, with the dumpsters waiting to consume decades of instruments, equipment, and books, the decision was made to rent out two storage units in Newmarket. One is climate controlled, used to store the instruments, the other housing the seemingly infinite number of tripods, level rods, prism poles, and other equipment.

Coincident with plans for the storage of the rescued equipment, a team to do the work of moving it from Putnam Hall to the storage unit needed to be mustered. The old guard teamed up with the Young Surveyors Group to put out the call for help. A date of Saturday December 14 at 9 am was set and coordinated with Ken Flesher to allow access to Putnam Hall. A crew of surveyors, both young and old, braved what was a miserable day, answered the call with bodies and survey rigs to transport the huge amount of stockpiled equipment.

As Ken Flesher showed us around the various locations of all the equipment Bob had safeguarded for so long, it became clear that there was a LOT of gear to be moved. Dozens of transits, what seemed like hundreds of tripods & stadia rods, stacks of books, old GPS equipment, and assorted items were there and needed to be rescued. Unfortunately, the University did not see any value in these items and what was not moved would be unceremoniously placed in a landfill, never to be seen again. Some tough decisions had to be made on whether some items were worth saving, and there were items left behind, which now may have been cleared out to make room for whatever use the University has in mind for old Putnam Hall.



Full van ready for transport



One of the saved books: Elements of Surveying and Navigation from 1852



There was much reminiscing with recent graduates lamenting how rooms they had become so familiar with had been looted unceremoniously, while some, 40+ years removed from attendance, shared memories of their time there with former, well known instructors like Bob Champoux, Bob Moynihan, and Mel Jenkins. Many of us younger surveyors had never used much of the equipment and the older guys enjoyed explaining the uses of the items.

Plans for the rescued gear are to be decided by the Executive Committee, with the current thought being to sell or auction off the equipment for the benefit of the NHLSF. Perhaps the abandonment of the surveying profession by our largest state university can have a positive outcome by providing scholarships for aspiring surveyors to pursue their education at other institutions. Let's hope they come back to New Hampshire after graduation.

Many thanks to all those who turned out; Eric Mitchell, Bill Doucet, Jim Verra, John Chagnon, Patrick Bell, Jim Franklin, Eric Salovitch, Mitch Cummings, Phil Trombley, Taylor Weiss, and Paul Dobberstein. James Verra and Associates and Ambit Engineering provided survey vans for transport, with others utilizing their private vehicles. As the saying goes, many hands make light work.



Working hard to get things loaded; left to right: Ken Flesher, Eric Mitchell, Patrick Bell, Bill Doucet



Room full of instruments and a desk full of old drafting equipment



A small sampling of the plethora of rods



A job well done by the old guard and one of the new; left to right Bill Doucet, Eric Mitchell, John Chagnon, Taylor Weiss, Jim Verra



Now empty, the once busy hall of Putnam Hall

Thanks to Eric Salovitch for providing photos



Unisex
sizing
S, M, L,
XL, 2XL

50th T-Shirts

The Young Surveyors are gearing up to support their Young Surveyors Fund, recently added to the 2020 Budget. They purchased 70 t-shirts for the 50th and not surprisingly, **SOLD OUT!** We'd like to order more, but we'll need to know if we need 70 more, 30, or 100. If you would like to order one of these fine collectibles, let Barb know and she'll keep a running total. We hope to order them in time for the Spring Quarterly.



FRONT



BACK



BEALS+THOMAS

WE'RE HIRING!

Beals and Thomas Inc. is currently seeking responsible, highly motivated and detail-oriented individuals to join our land surveying department. For over 35 years, we have provided survey, civil engineering, planning, permitting and environmental services. We work collaboratively with our multidisciplinary team to address land conservation and development challenges.

WHAT WE OFFER:

- HIGHLY COMPETITIVE COMPENSATION
- PERFORMANCE BONUSES
- COMPREHENSIVE BENEFITS PACKAGE:
 - HEALTH, VISION & DENTAL INSURANCE
 - LONG-TERM & SHORT-TERM DISABILITY
 - 2X ANNUAL SALARY LIFE INSURANCE
- PAID SICK TIME, HOLIDAYS & VACATION DAYS
- 401K PLAN WITH COMPANY MATCH
- PROFESSIONAL DEVELOPMENT & TUITION REIMBURSEMENT

*POTENTIAL SIGNING/ RELOCATION BONUS AVAILABLE!



CREW CHIEF

- Minimum of 5-7 years relevant experience in boundary, topographic, utility, ALTA/NSPS Land Title Surveys, and Construction layout surveys
- Experience as a Field Survey Chief or Party Chief
- Experience with robotic total stations and data collectors
- Experience with GPS, GIS and AutoCAD Civil 3D is preferred
- SIT registration and a Bachelor's degree in surveying or related fields will be considered highly advantageous

FIELD TECHNICIAN

- Minimum of 1-3 years relevant experience in boundary, topographic, utility, ALTA/NSPS Land Title Surveys, and construction layout surveys
- Experience with robotic total stations and data collectors
- Experience with GPS, GIS and AutoCAD Civil 3D is preferred

OFFICE TECHNICIAN

- Minimum of 1-3 years relevant experience in boundary analysis, topographic plan preparation and construction layout surveys
- Experience as a Field Survey Chief or Party Chief
- Experience with robotic total stations and data collectors
- Experience with GPS, GIS and AutoCAD Civil 3D is preferred
- SIT registration and a Bachelor's degree in surveying or related fields will be considered highly advantageous

Minimum Requirements for All Positions:

- High school diploma or equivalent
- Strong mathematical skills
- Basic computer skills
- Effective communication skills
- Valid driver's license
- Physical ability to work outdoors in all weather conditions and lift a minimum of 50 lbs
- Available for paid overtime as required
- Responsibility on various work assignments

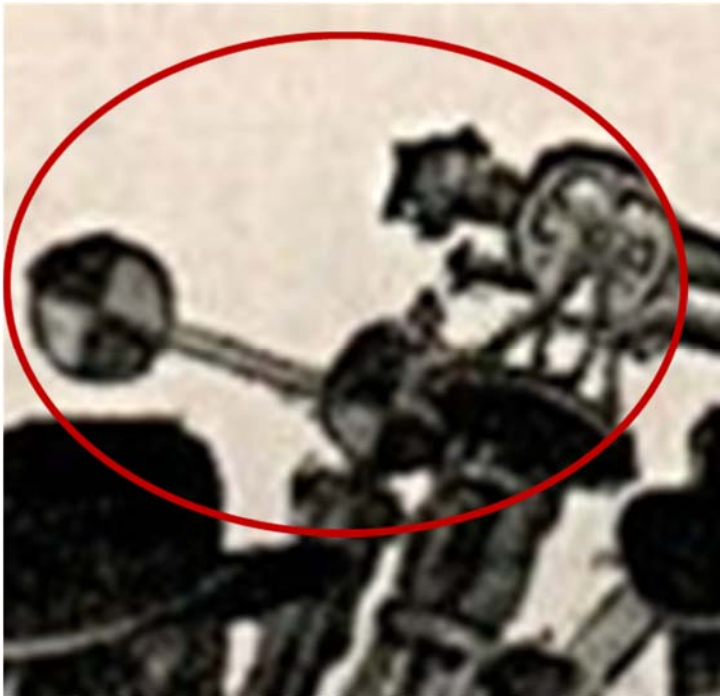
If you are ambitious, take pride in your work, and are seeking to advance your career, we encourage you to apply to join our team.

Please send a cover letter and resume in PDF format to recruiting@bealsandthomas.com or visit our website: www.bealsandthomas.com to apply.

Boston Southborough Plymouth

I Found It—Now What Is It?

A little different for this month's item, because we don't know what it is! This item comes from Alan Barnard by way of Brian Burford. Alan sent Brian an interesting advertisement for the Winton Automobile from 1903. It appears that there is an intimidating looking survey crew steaming out to do some surveying, while competing for speed and efficiency with a locomotive. Looks to me like the guy in the front passenger seat is the Crew Chief and wholly unimpressed with the situation. Clearly identified by Brian are a stadia rod with target and a transit, however, what remains to be identified is the third item, furthest to the left. If any of our members can identify the item Brian is offering a reward of the herd of ponies that Mark Stevens owes him. If you can identify the item, please email Barbara at info@nhlsa.org.



I Found It – Now What Is It? Responses

Two of our readers were able to correctly identify the December 2019 mystery item submitted by Wayne McCutcheon



as a potato hiller. The device is pulled by a horse or tractor similar to a plow but instead of turning the soil over, it mounds it up creating kind of a raised bed around your potato plants.

Hi Barb,

I'm pretty sure the December mystery item is an old horse hoe. After the fertilizer was spread and the potato seed chunks were set in the furrow, the horse team would pull this tool over the center of the planting row and the iron blades would drag soil in from both sides to bury the seed rather than having to do it by hand with a hoe. It was probably used to bury other crops as well. My dad used to plant quite a few potatoes and sell them at the farm, and he had an old potato planting machine on iron wheels that still utilized the same spade technology for covering as is illustrated in the picture.

Roy Sabourn, LLS

To: NHLSA - Barbara Cormier <info@nhlsa.org>
 Subject: I Found It—Now What Is It?

I believe that is a plow, used to "hoe up" rows of potatoes. I used one as a kid.

Robert H. Weir
 Land Surveyor Technician
 Bureau of Right-of-Way

50th Anniversary Memorabilia

Now that the 50th Annual Meeting & Equipment Show is behind us, we want to remind you that we still have on hand for sale: beer glasses, 1854 Map of New Hampshire, and zipper pulls & key chains.



We also need to place an order for fleece vests, as we ran out of most sizes. Checking the inventory, it appears we have only one medium left, but several orders. To place an order, we need to order 15, and we're not quite there yet, so if you want a commemorative vest, let Barb know by the end of February as we plan to have them ordered in time for the Spring Quarterly.

Beer Glass w/50 th Logo	\$25.00
------------------------------------	---------

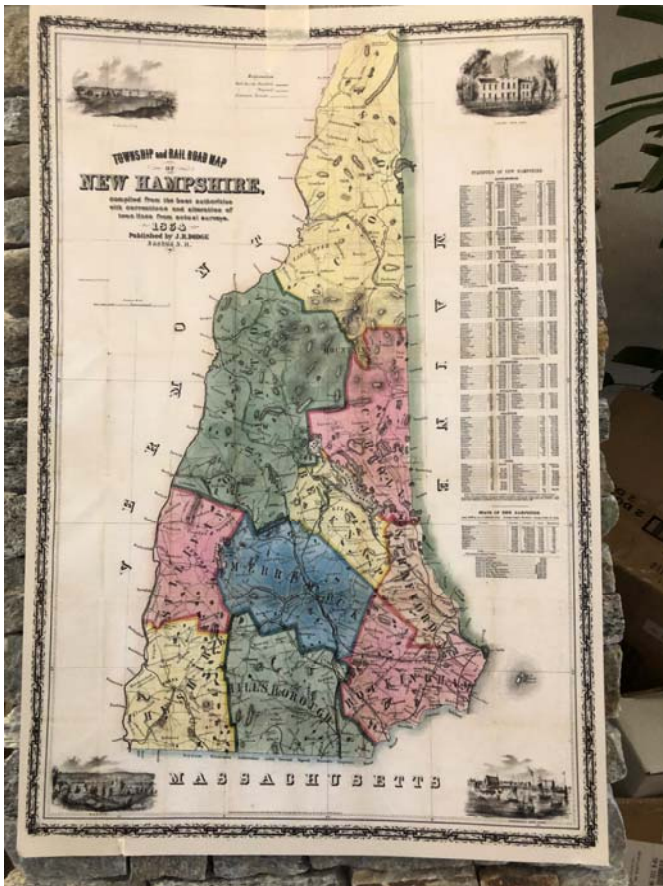


Caveat: does not need to be filled with beer. ☺

NHLSA Fleece Lined Vest w/50 th Logo	\$60.00
---	---------



1854 Map (2'x3') of New Hampshire w/o Frame	\$20.00
---	---------



50 th Commemorative Pewter Trinkets	
Key Chain	\$ 15.00
Zipper Pull	\$ 10.00



Proceeds to be used to lower the cost of the 50th Anniversary Book.

STAY TUNED...

However, don't put the Annual too far behind you just yet. Next month we'll publish all of the 50th happenings.

The source for
Leica Captivate
series is:
MTS



For over 35 years, engineers, architects, surveyors and contractors have come to rely on MTS as their number-one source for the latest generation of precision measurement technology products...at a captivating price...backed by an experienced team with the smarts to train your people right.

The next generation of Leica Nova and Viva measuring instruments are the world's first self-learning total stations and MultiStations with Leica Captivate. Transforming the Leica Viva GNSS experience, this engaging software joins the ultimate GNSS receivers innovation with an industry-first 3D user immersion. Leica Captivate modernizes the Leica Nova scanning experience, for the first time merging the overlay of measured points, 3D models and point clouds into a single view.

For more information about the one **SOURCE** that can meet all your measurement technology needs, from field to finish, call **MTS** today at **800-322-5003**.



Your Measurement Technology Source

www.mainetechnicalsource.com

Yarmouth, ME

Woburn, MA

Syracuse, NY

Wappingers Falls, NY