

# FieldNotes...

Affiliated with the  
National Society of  
Professional Surveyors

The Monthly Newsletter of the **Maine Society of Land Surveyors**

Volume 29 Number 6

June, 2022

Maine Society of Land Surveyors  
Post Office Box 420  
Readfield, Maine 04355



(207) 882-5200  
[www.msls.org](http://www.msls.org)

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### *September Annual Conference Speaker Announcement*

## **Dave Doyle to Join Us on Day One, September 15**

The MSLS Annual Conference planning committee is pleased to announce that Dave Doyle will be our main featured speaker on day one.



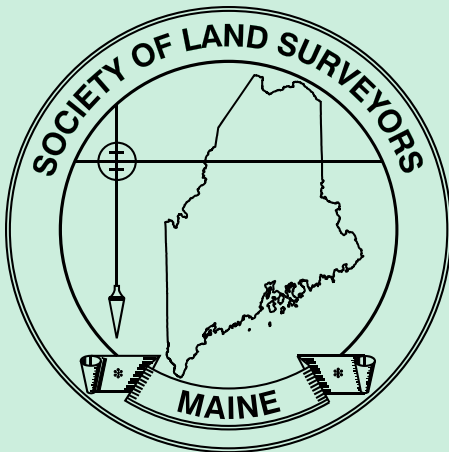
Mr. Doyle (*picture left*) has been involved in geodetic surveying since 1967. He joined the National Geodetic Survey in 1972, and functioned in various positions dealing with national adjustments, datum transformations and outreach to the surveying and geospatial community. He held the position of chief geodetic surveyor for 12 years prior to his retirement in 2013. He now owns Base 9 Geodetic Consulting Services which provides consulting to public and private agencies and companies as well as teaching seminars on the fundamentals of geodesy and the National Spatial Reference System. He is a Past President of the American Association for Geodetic Surveying, and is an active member of the DC, Maryland and Virginia professional surveyors' associations.

In one session Dave will detail the historical and contemporary developments of the horizontal and vertical geodetic datums of the United States including: the North American Datum, North American Datum of 1927 (NAD 27), North American Datum of 1983 (NAD 83), the National Geodetic Vertical Datum of 1929 (NGVD29) and the North American Vertical Datum of 1988 (NAVD 88) as well as the accepted global system the International Terrestrial Reference Frame (ITRF). The sessions will highlight significant changes in measurement and positioning technologies and their impact on the development of reference ellipsoids, geoid models and contemporary high accuracy reference frame enhancements. These presentations are designed to provide a foundation for further discussions that will focus on the rational for national reference system changes by the National Geodetic Survey now scheduled for 2025.

In a second session Dave will address enhancements and additions to the network of Global Navigation Satellite Systems (GNSS) including: the U.S. NAVSTAR Global Positioning System, Russian GLONASS, European Union GALILEO and China's BeiDou are significantly improving the use and positional integrity of space-based positioning systems. In order to meet the anticipated demands for an improved geospatial framework that these developments will require, the National Geodetic Survey (NGS) is implementing a strategy for the modernization of the National Spatial Reference System (NSRS) rigorously aligned with the International Terrestrial Reference Frame (ITRF). Among the various topics outlined in this presentation are discussions of the rational for and magnitude of the anticipated horizontal and vertical positional changes and how these may impact existing federal, state and local spatial data management systems (GIS).

## MSLS Contact Information

Donald Dostie, President	577-5840
president@msls.org	
Cassandra Quintal, Vice President	215-4831
Kevin Farrar, Secretary	215-6340
Jimmy Courbron, Treasurer	200-1678
Ellen Brewer, Director At Large	767-0821
Jon Stewart, Director At Large	947-0019
Keith Morse, Androscoggin	754-5937
Kilburn Swallow, Crown of Maine	532-7313
Karl Olson, MidCoast	882-7008
Wayne Wood, Narragansett	657-3330
<i>Pending update</i> , Penobscot	
Stephen Gould, Somerset	474-6223
William Shippen, NSPS Director	737-9015
John Lloyd, Scholarship Committee	978-563-1793
Thomas Blake, Historical Committee	878-7870
Cassandra Quintal, Membership Committee	215-4831
Donald Richards, Case Law Update	594-4934
Matt Ek, Immediate Past President	831-9470
Cassandra Quintal, Legislative Committee	215-4831
Daniel Bernier, Esq., Legislative Monitor	877-8969
Bruce Bourgoine, Executive Director	882-5200
Webmaster/FieldNotes	director@msls.org



**FieldNotes** welcomes contributions from members. Submit original manuscripts or articles to editor@msls.org. Hi-res photos in jpeg form are welcome too. Include your name and identify the picture and all persons in the photo. MSLS assumes no responsibility for statements made or expressed in this publication.

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## Executive Committee Meeting Minutes

Virtual (Zoom) Meeting  
June 15, 2022

### Members Present

Officers -	
President	Don Dostie
Vice President	Cassandra Quintal
Secretary	Kevin Farrar
Treasurer	Jimmy Courbron
Directors -	
Androscoggin	Kevin Farrar (proxy)
Crown of Maine	Kip Swallow
Narragansett	Wayne Wood
Somerset	Steve Gould
MidCoast	Karl Olson
Past President -	Matthew Ek
Executive Director -	Bruce Bourgoine

Meeting was held via virtual meeting website zoom.us. The meeting was called to order by President Dostie at 6:02.

**Legislative Committee** (Dan Bernier) – No report.

**Secretary Report** (Kevin Farrar) – The minutes from the Executive Committee meeting held via Zoom on May 10<sup>th</sup> were accepted as printed. Motion to accept was made by Jimmy Courbron, seconded by Wayne Wood and approved unanimously.

**Treasurer's Report** (Jimmy Courbron) – Jimmy reports he is unable to give us an exact checking account balance as the updated officers form and signatures has yet to be approved by the Maine State Credit Union. The scholarship investment fund (Vanguard account) currently stands at \$173,641.39 for a loss of \$43,624.44 off of the January 1<sup>st</sup> high of \$217,265.83. Don mentioned that last month, we had a discussion about potentially supporting the UMaine student chapter with travel expenses but we had held off because of a potential checking account balance issue. Jimmy said that the current balance is at about \$43,000. Don said that after looking at some budget line items for travel, we may have some room in our budget to help. It was moved to accept the Treasurers Report by Kevin Farrar, seconded by Wayne Wood. Steve Gould asked why the account is quite a bit higher than normal right now. Bruce Bourgoine said that the timing of the Annual Meeting being in the fall instead of January is a part of the reason. The motion was passed unanimously.

**Executive Dir. Report** (Bruce Bourgoine) – Bruce's written report is below.

To:	MSLS Executive Committee
From:	Bruce Bourgoine, Executive Director
Regarding:	May 2022 Report
Date:	June 12, 2022

*Here are the items focused upon during May:*

*Follow up on Spring Meeting and issuing CEU certificates.  
Routine matters of ExCom meeting preparation, deposits,  
broadcast e-mails, website updates, FieldNotes publication, and  
handling external and member communications as required.*

*Looking ahead, the following items will be of intermediate focus:*

*Annual Meeting Planning  
Website rebuild first steps, survey membership and gather  
vendor information  
As always, I appreciate your feedback so I can best help our  
leadership serve our members.*

**Membership Committee** (Cassandra Quintal) – Written report is below.

*May 2022 Report*

		May	April	+/-
AS	Associate	14	14	0
CH	Charter	0	0	0
CO	Complimentary	2	2	0
HO	Honorary	7	7	0
LC	Life Charter	4	4	0
LF	Life	9	9	0
MB	Regular	204	204	0
OC	Out of State Charter	1	1	0
OR	Out of State Retired	0	0	0
OS	Out of State	16	16	0
RC	Retired Charter	2	2	0
RT	Retired	43	43	0
ST	Student	9	9	0
SU	Sustaining	7	7	0
		-----		
		318	318	0

**Liaison Committees –**

Board of Licensure (Cassandra Quintal) – The next meeting is scheduled for Tuesday June 21<sup>st</sup> at 9am. The meeting will be held online. President Dostie spoke about the issue discussed at last month’s ExCom meeting that an applicant to take the PLS exam had happen. The exam applicant was under the impression that they had been denied. After submitting a letter to the Board, as MSLS President, expressing concerns about the application review process, Don had discussions with Catherine Pendergrast, the boards administrative assistant. It was discovered that there was a member of the Board who did review the application and it will next be reviewed by the full board for either approval or denial at the next board meeting. Cassandra said that she felt a level of experience directly related to surveying in Maine is important. Matt Ek agreed saying that the applicant is not seeking a “reciprocity license” but a Maine PLS license. Wayne Wood added that he felt this issue now sets the stage for the Board have a discussion on the experience requirement and how strict the Board will be on how much of that experience must be specifically with a Maine PLS.

NSPS Director (Bill Shippen) – No report.

SVT at UMaine (Stephen Gould) – Steve said that school is done for the year. Numbers are up and the program is healthy. President Dostie asked about the recent column submitted to FieldNotes by Knud

CMCC (Cassandra Quintal) – There are 11 students in the current class. She says the students are very green but very engaged. The students have done a little “lab time” by setting up equipment and taking measurements. Cassie has also had the students do a little deed research. Wayne Wood asked about the ages of the students. Cassie said that two are about 18, one is about 70 and the rest are 30 somethings.

FEMA (Mark Carpenter) – Marc Carpenter emailed that a class to become a Certified Floodplain Surveyor will be offered November 2<sup>nd</sup> – 4<sup>th</sup> at the Hilton Garden Inn in Worcester MA. The registration fee is \$520 for an affiliate member (MSLS) and \$630 for non-members. The instructors are John Gerber and Bart Crattie.

MDOT (Peter Belanger) – No report.

Registry of Deeds (Charles Hildebrant) – Matt Ek said that Walt Dunlap has been trying to get into the Cumberland County Registry to scan the Cumberland County Commissioners plans and books including updating their computer index system.

Steve Gould said that he felt it would be beneficial for MSLS to mail out the recording statute to attorney offices because it seems like different registries are using different criteria. Kip mentioned having issues with recording plan with color in Aroostook County.

**Publications Committee –**

FieldNotes – Next issue will be out in late June. Bruce said that he has a decent amount of content ready to go. President Dostie said that he may write an opinion piece in response to the article submitted by Knud Hermansen in the latest issue.

Website – Bruce will be surveying members to get a feel for priorities on where to focus on upgrades.

**Scholarship Committee** (Steve Gould, John Lloyd) – No report.

**Bylaws Committee** (Keith Morse) – Don said that he’s reviewing and creating some revisions and a draft that he’d like to present to membership in September.

**Program Committee** (Stephen Gould & John Lloyd) – Steve said that he’s got some feelers out for speakers and they plan to discuss options fairly soon. President Dostie suggested reaching out to Michaeline Mulvey (of our Board of Licensure) who has expressed an interest in expanding communication between the Board and MSLS.

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## Chapter Reports –

Androscoggin (Keith Morse) – No report.

Narragansett Chapter (Wayne Wood) – No meeting.

Crown of Maine (Kilburn Swallow) – No new meetings.

MidCoast Chapter (Karl Olson) – No meetings scheduled until maybe September.

Penobscot/Hancock Chapter (vacant) – Pres. Dostie to contact Brian Norris.

Somerset Chapter (Steve Gould) – No meeting, no report.

## Unfinished Business –

Public education pamphlet – Steve Salsbury brought to our attention a pamphlet that he saw on the Arizona surveying society website called “How to Consult a Land Surveyor”. Mike was asking (via email) whether MSLS could come up with something similar to this to help educate the public on what services surveyors provide and what services they may need in a given situation. Bruce said that we have received permission from the Arizona society to use the text of their document. We now need to decide on edits and where to offer the pamphlet (just online, to members to put into town offices, etc.). Pres. Dostie asked ExCom to review the document, suggest edits and come up with a draft for our next meeting.

Draft letter to Town of Windham – Wayne Wood prepared a survey plan for a client in Windham. That plan has since been used by a third party (the Town of Windham) in a promotional brochure for a town park. The town did not have permission to do this. The following draft language was prepared by attorney Kim Visbaras for MSLS to use as a written response to this issue (and other similar MSLS member issues as they arise). Wayne suggested a few minor edits for typos and context. President Dostie said that he feels a little uncomfortable with the tone of the proposed language as far as signing it as President of MSLS. He added that he wants MSLS to be supportive of the request but not being the enforcer/backstop behind what the letter requests (cease and desist). Jimmy Courbron supported Don’s sentiments regarding the legal tone of the letter. Don said that he felt the letter was appropriately worded if it was coming directly from Wayne and followed up or sent in tandem with a letter that had more of an educational tone to Windham from MSLS. VP Quintal disagreed, saying that she didn’t have much concern about MSLS being the sender of the letter as worded below. President Dostie reiterated that he felt the wording was requesting a cease-and-desist order and that we’d have to back it up (perhaps in a legal arena) if the town didn’t back off.

*This correspondence, authorized by the Maine Society of Land Surveyors, is submitted in response to the use by the Town of Windham of certain survey work produced for Ken Clark in conjunction with the Basin Public Park project. Simply put, the Town’s use of Mr. Clark’s survey for its own marketing and promotional purposes was not only entirely improper but also a violation of the public trust that surveyors and other real estate professionals rely upon when working with municipalities and governmental agencies.*

*A survey results from a contract between a surveyor and a landowner, not a city or town or any official working for that city or town. That contract defines the purpose and scope of what the ultimate survey depicts, which are private matters between the surveyor and owner. It also establishes limits as to the only parties who are entitled to utilize what the survey reveals and for what purposes it may be used. Those parties are only the property owner and surveyor. The survey at issue here was used and submitted to the Town for purposes entirely unrelated to the park project, and the Town’s use of that survey is limited to that specific and landowner determined purpose. Despite having firsthand knowledge of why this survey existed in the Town’s records, you failed to obtain the consent of the surveyor (who would then be legally required to obtain the consent of the owner) to use this survey for reasons never contemplated by the owner or Mr. Wood...i.e., marketing purposes to solely benefit the Town, a use that was never permitted and offered no compensation to either the owner or Mr. Wood. The fact that a survey may become a matter of public record, and becomes such only for the limited reasons the landowner determines, does not afford anyone, and especially a town, the right to use for free a privately contracted survey for some unrelated and self-benefitting purpose.*

*Improper use of surveys, such as was done in this case, is actionable, among other things, as an intentional interference with a contractual relationship and a negligence claim for misuse of the information contained in any survey. It can also cause claims against a surveyor and owner for such use that neither the owner nor surveyor could know of or protect against, and can jeopardize, and even terminate, relationships between owners and surveyors.*

*As a result of the Town’s action in Mr. Clark’s case, this letter constitutes a cease-and-desist demand upon the Town of Windham and its officials and employees against the Town’s use of any survey submitted on behalf of any landowner engaged in official business with the Town, unless the Town obtains prior and written consent from that landowner and his/her/their/its surveyor regarding the Town’s intended use of that survey.*

Certified Floodplain Surveyor training – Previously discussed under “Liaison Committee, FEMA”

Letter to Board of Licensure – Previously discussed under “Liaison Committee, Board of Licensure”.

**New Business –**

Limerick Planning Board (Matt Ek) – A property owner who owns 3 lots in a subdivision wanted to combine the lots (removing the boundary lines). He went to the Planning Board to update the subdivision and combine the lots. He was told he didn't need to get an approval from the board. Matt said that he may reach out the director of the Southern Maine Planning Commission to figure out the origin of that opinion.

Correspondence – UMaine Foundation thank you note -

Confirm next ExCom date and place – Wayne Wood has agreed to host the annual MSLS ExCom summer outing at his house in Gray. The last Monday in July was suggested with the first Monday of August as a rain date.

**Consent Agenda -**

June 15, 2022

<i>From Whom</i>	<i>MSLS Committee</i>	<i>Amount</i>
Bruce Bourgoine	Executive Dir. Expenses ~ May	\$121.62
Bruce Bourgoine	Executive Dir. Services ~ May	\$1,000.00
Copy Shop	FieldNotes	\$86.31
<b>Total</b>		<b>\$1,207.93</b>

Additions at meeting – None

**Grand Total** **\$1,207.93**

It was moved to accept the Consent Agenda by Wayne Wood seconded by Jimmy Courbron, passed unanimously.

Moved to adjourn at 7:39 by Wayne Wood, seconded by Jimmy and passed unanimously.

Respectfully Submitted

**DRAFT**

Kevin Farrar – MSLS

**MSLS 2022 Spring Meeting Minutes**

Elks Lodge – Houlton, ME  
April 29, 2022



**Officers Present:**

- President Don Dostie
- Vice President Cassandra Quintal
- Secretary Kevin Farrar
- Treasurer Jimmy Courbron

Also present at the meeting are a few Chapter Directors, Director to NSPS – William Shippen and about 10 MSLS members.

The meeting was called to order by President Dostie at 1:00 PM. He asked for any agenda additions and thanked the Crown of Maine Chapter for hosting.

**Secretary's Report** (Kevin Farrar) –

The minutes from the MSLS 2022 Winter “on-line zoom” meeting held on January 28<sup>th</sup> are in the meeting booklet on pages 5 to 8. It was moved to accept the minutes, as written, by Wayne Wood, seconded by Jimmy Courbron and passed by a wide margin.

*Continued on Page 9*

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## Thoughts on Professional Practice and Education Article 4: Business and Management in Education

by Knud E. Hermansen<sup>†</sup>  
P.L.S., P.E., Ph.D., Esq.



This is the fourth article I have prepared in the series offering thoughts on professional practice and education. The focus of this article, I hope, will assuage some individuals that I offended by my last article and will give hope to friends that will see I am now writing with the sense that I appear to have lost with my last article.

I know I am not alone when I say I wish I knew as a young surveyor what I now know about running a business. I can stand in front of a dozen or more surveyors that run their own surveying business, some for decades, and discuss rules and regulations that by law apply to them. What I reveal shocks many of them as they realize the deficiencies in their knowledge and business practice. They were unaware or confused about rules and regulations they should be adhering to or should have adhered to when running their business.

I might quickly add, I will not claim to know the entire plethora of knowledge on government regulations as applied to businesses. Who would know all the governing rules except for the most dedicated bureaucrat or regulator? Sadly, the federal, state, and local governments continue to do their best to create more difficulties in starting and running a business – especially if you contract with the government.

The first time a surveyor hears the phrase ‘cash flow’ should not be during their first year of owning a business as they sit in their office, the time near midnight, the pay for employees due the next day. Having never heard of the term ‘cash flow,’ the new business owner cannot understand how they must pay sooner using what they won’t have until later.

The new graduate that is checking into the human resource manager at the onset of their surveying career should not wonder what is meant by a 401k, employer match, vesting periods, and pre-tax contributions.

This missive is not meant to discuss politics or even the various subjects that may fall under the concepts of ‘business’ and ‘management’ education. Rather, the focus is to advocate that relevant business and management topics be presented to students studying in a four-year surveying program.

Faculty would be disappointed when collecting alumni data to discover graduates described their job title as ‘survey technician’ ten years after graduation. After ten years, the graduate is expected to be licensed and in management. Yet, many survey programs have failed to give

students any relevant knowledge that would aid the graduate to take on management positions where survey graduates are expected to spend most of their professional careers.

I would opine the lack of adequate business and management courses in surveying programs stem from two conditions. The first condition arises because of the lack of business and management experience that faculty have. Many faculty do not have the experience, training, or knowledge to teach relevant business and management courses. Even survey programs at larger universities can’t always draw on the business school faculty to help educate the surveying student in relevant business courses. While the business school faculty may be able to educate the surveying student regarding contracts, business entities, employee law, etc. topics such as mechanics liens, survey fee makeup, right of entry laws, road safety laws, Dig-safe, OSHA, federal contracting, and other such survey specific areas will not be covered in a course taught by the business school.

The second condition thwarting the introduction of business and management courses into a surveying program is the difficulty in fitting more courses into a surveying degree program. Universities limit the maximum number of credits for a bachelor of science degree. ABET accreditation requires certain courses and credit hours. NCEES has established topics covered in the FS exam that must be covered in the academic program. Finally, the university requires all students at the university take certain courses for the regional accreditation the university maintains.

If the reader will indulge me, I will get upon a soapbox regarding the last limitation mentioned - that is University accreditation requirements. I have found it frustrating that regional accreditation often requires courses such as diversity, artistic expression, humanities, and other general education courses popular among liberal arts faculty but worthless in a business or a professional environment. (Not all general education is dismissed by practitioners. Course such as communication and writing courses are the exception. These courses and their content are appreciated by employers.)

For 30 years I have examined hundreds of employment-surveys prepared by alumni and survey employers sent by the University for program self-improvement. In those 30 years and after review of hundreds of documents, I have yet to see a single employer or alumni say how useful artistic expression and similar courses have been toward their career. The mention of these courses is a common occurrence but only under a category where alumni cite courses of no use in their life and wasted tuition money.

Having given my opinion, I now offer advice by suggesting professional societies that advocate for surveying programs also look at the courses in the survey program to ensure there are business and management courses that provide the graduate with the knowledge to become leaders in both the profession, community, and a surveying business.

<sup>†</sup> Other books and articles by Knud can be found at <https://umaine.edu/svt/faculty/hermansen-articles/>



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**Treasurer's Report** (Jimmy Courbron) – Jimmy's report on page 9 of the meeting booklet states that as of April 21<sup>st</sup> there is \$37,907.23 in the checking account and \$187229 in the Vanguard (scholarship) account. That account is down 14% since January 1<sup>st</sup>, excluding the \$5000 scholarship withdrawal. Moved to accept by Wayne Wood, seconded by VP Quintal.

**NSPS Directors Report** (William Shippen) – Bill's report from the DC business meeting was in the last edition of FieldNotes.

**Executive Director's Report** (Bruce Bourgoine) – Bruce is not in attendance. His brief report on Page 9 of the booklet is below.

*Looking ahead to the intermediate horizon, we will be polling members their MSLS website needs, expectations and other possible uses. Long term planning will be focused on the September 15 & 16 Annual Conference at Sunday River.  
Respectfully Submitted – Bruce Bourgoine, Executive Director*

### **Present Standing Committee Reports**

**Legislative Committee** (Cassandra Quintal) – The legislative session just wrapped up in Augusta. Wayne Wood asked about if anyone has read the wording of the "affordable housing" bill (LD 2003). He felt that the bill was going to cause headaches and conflicts for many towns. VP Quintal asked about the status of the abandoned road bill (LD 1513).

**Membership Committee** (Cassandra Quintal) – No report.

**Publications Committee** (Bruce Bourgoine) – No report.

**Scholarship Committee** (John Lloyd, Steve Gould) -

**Historical Committee** (Tom Blake) – Tom's report on Page 9 of the booklet asks that any survey record information be sent to [historical@msls.org](mailto:historical@msls.org).

**Trig-Star** (John Schwanda) – No report.

**Program Committee** (John Lloyd, Steve Gould) – No report.

### **Present Liaisons Reports**

**Board of Licensure** (Cassandra Quintal) – The last meeting was held on April 19<sup>th</sup> (on-line). Three complaints were reviewed. All were dismissed, two received a "letter of guidance". The Board discussed a proposed presentation by Michaeline Mulvey for licensees about the complaint process. No action was taken.

**SVT at UMaine** (Rich Vannozzi) – No report.

**Central Maine Community College** (Cassandra Quintal) – First session is underway and going well. CMCC "expelled" some people who signed up for not being fully COVID-19 boosted.

**FEMA** (Mark Carpenter) – No report.

**Registries** (Charles Hildebrant) – No report.

### **Present Chapter Reports**

**Androscoggin** (Keith Morse) – Keith emailed the following report –

*Androscoggin Chapter will be meeting at V.P. Cassandra's Cabana in Wales on May 4th for an evening barbeque with spouse's, partner's or friends invited starting at around 5:30. President Dostie is planning on speaking on the overall viability of our State's Chapters and how to revitalize involvement.*

*The agenda also includes discussion regarding Chapter donations for equipment fund for the new Introduction to Land Surveying course at CMMC. Elections of new Chapter officers is also on the agenda along with developing a list of speakers for future meetings.*

*Respectfully submitted, Keith W. Morse, PLS - Director Androscoggin Chapter*

**Crown of Maine** (Kilburn Swallow) – Kip said that the chapter may have a summer social meeting. Kip's report on page 9 of the meeting book reads as follows:

*We haven't met in person as a group recently, however we did meet by "Zoom" last month. Ongoing business includes planning for the MSLS Spring meeting, relocating and scanning "attic plans", re-establishing the southern meridian line monument, assisted by Kelly Bellis.*

*Significant progress has been made on restoring the meridian line and the plans are to reset the southern monument this year. The next step is to repair the foundation.*

*Thank you all MSLS members and officers for your continued good work. Kip Swallow – Chapter Director*

**MidCoast** (Karl Olson) – No report.

**Narragansett Chapter** (Wayne Wood) – The report on page 9 of the meeting booklet reads as follows:

*The Narragansett Chapter held the following meeting via zoom since issuing the last Chapter Report in January for the MSLS Annual Meeting:*

*Thursday February 10<sup>th</sup>, Kelly Bellis, PLS presented Maine Meridians and Base Lines (part 2). The presentation was divided into two sections. This second session was the remaining portion from the Chapters previous meeting on Wednesday, December 15<sup>th</sup>, 2021. If you were unable to attend and are interested in seeing this presentation, Kelly has prepared the following brief video of the Maine's Meridian project. [https://youtu.be/nlyG\\_Umk7bo](https://youtu.be/nlyG_Umk7bo)*

*The next chapter meeting is to be determined. Please visit the Chapter website at [www.narragansettsurveyors.org](http://www.narragansettsurveyors.org) for updates and events.*

**Penobscot** – No report.

**Somerset** (Stephen Gould) – No report

**Unfinished Business** – None

**New Business** – None

Moved to adjourn by Wayne Wood, seconded by Jimmy Courbron, meeting adjourned at 1:03pm



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## Maine's Meridian Monuments

The Maine law that was approved on March 11, 1869 required each county to erect a true meridian line for the purpose of testing the variation of the compass. 153 years later, it remains unknown and forgotten where these markers existed, or if they ever did exist, in half of the counties in Maine. For more information on those known monuments, you'll want to check out this brief overview video [https://youtu.be/nlyG\\_Umk7bo](https://youtu.be/nlyG_Umk7bo)

If you have any information regarding these missing monuments for the counties shown on this map, or if you're wanting to do further research into them, your assistance is requested. See below for details on where to send information.

*“Let a Meridian, i.e. a true North and South line, be established in every town or county, by the authority of the State; monuments, such as stones set deep in the ground, being placed at each end of it. Let every surveyor be obliged by law to test his compass by this line, at least once in each year.”<sup>1</sup>*

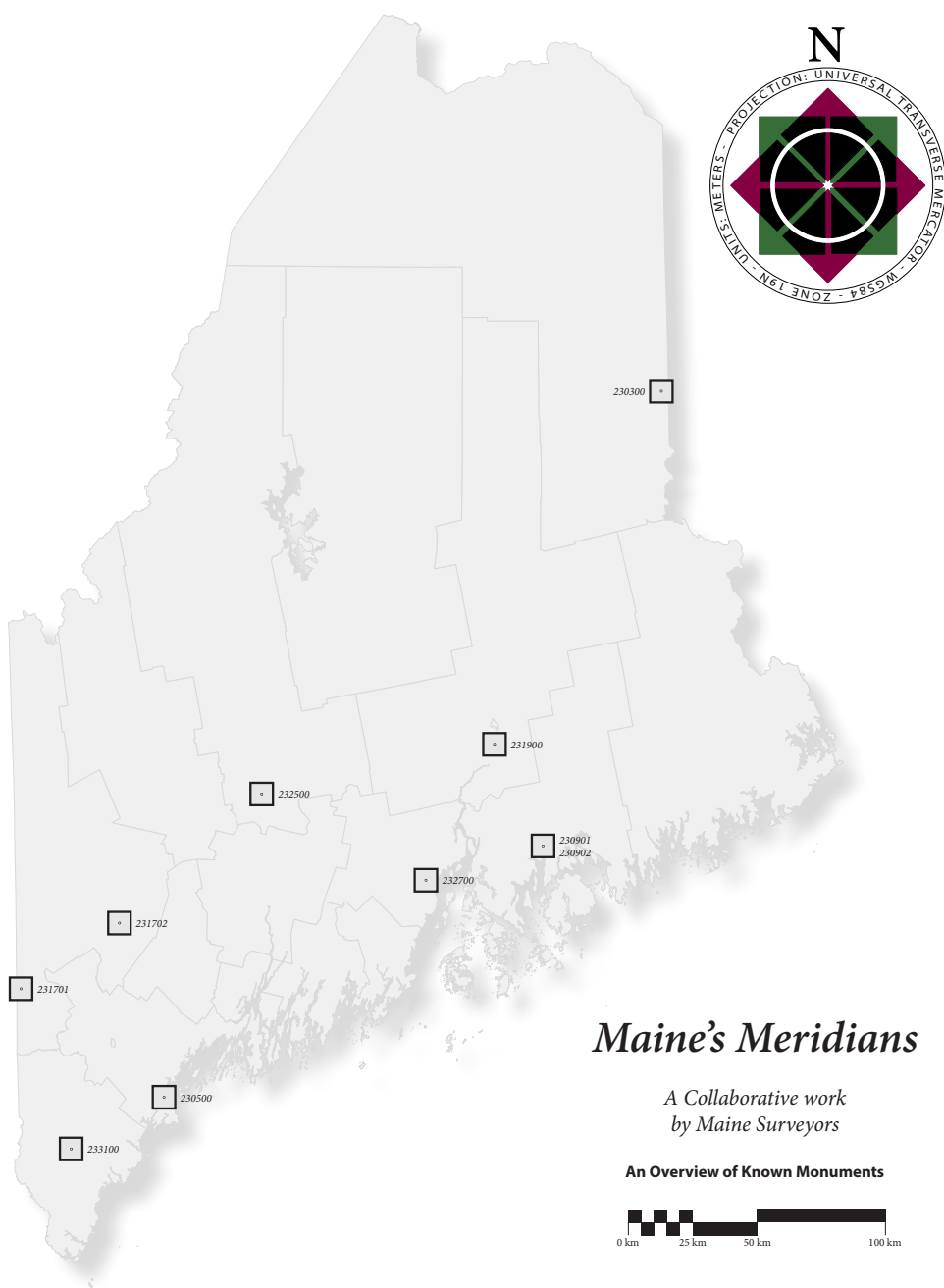
<sup>1</sup> From "Treatise on Land Surveying" by William Mitchell Gillespie, 7th Edition, 1859, Part III, Page 210, Article (323) [https://www.google.com/books/edition/\\_uh-kIAAAAcAAJ?hl=en&sa=X&ved=2ahUKewjlhImm7b3zAhVEgnIEHYg-MDWsQre8FegQIARAB](https://www.google.com/books/edition/_uh-kIAAAAcAAJ?hl=en&sa=X&ved=2ahUKewjlhImm7b3zAhVEgnIEHYg-MDWsQre8FegQIARAB)



### Meridian Legend

Key	Location	County
230100	Undetermined	Androscogin
230300	Houlton	Aroostook
230500	Portland	Cumberland
230700	Undetermined	Franklin
230901	Ellsworth	Hancock
230902	Ellsworth	Hancock
231100	Undetermined	Kennebec
231300	Undetermined	Knox
231500	Undetermined	Lincoln
231701	Fryeburg	Oxford
231702	Paris	Oxford
231900	Orono	Penobscot
232100	Undetermined	Piscataquis
232300	Undetermined	Sagadahoc
232500	Norridgwock	Somerset
232700	Belfast	Waldo
232900	Undetermined	Washington
233100	Alfred	York

Please send any information regarding the missing meridian monuments, while noting in the email's subject line the name of the county, to: [kellybellis@gwi.net](mailto:kellybellis@gwi.net)



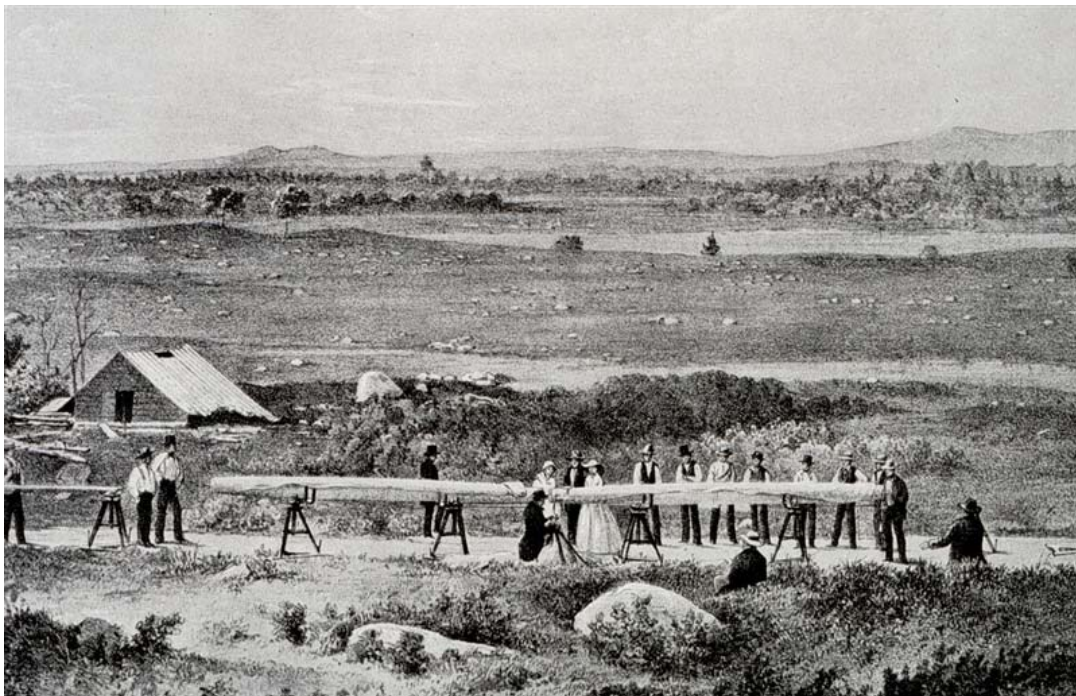
# Calendar Notes...

- **MSLS Summer ExCom** 5:00 PM on July 25 at the Wayne Wood Residence in Gray, 5:00 cookout and 6:00 business (Also available via Zoom)
- **2022 Annual Conference** September 15 & 16, 2022, Sunday River Resort in Newry, Maine. Golf option on September 14. More details coming next issues and via e-mail.

*Thank you!*

Send your Calendar Notes to: [editor@msls.org](mailto:editor@msls.org)

## The Parting Shot...



*Coast Survey party measuring Epping Plains Base. The last base line measured by Bache. Base Line party of Alexander Dallas Bache.*

Date: 1857 Credit: NOAA Central Library Location: Maine, Epping Plains Subject: Baseline

**“The Parting Shot”** appears in place of where mailing information is located on postal mailed copies and is a little extra something for email recipients. Email your interesting surveying or Maine “Parting Shot” to [editor@msls.org](mailto:editor@msls.org)!