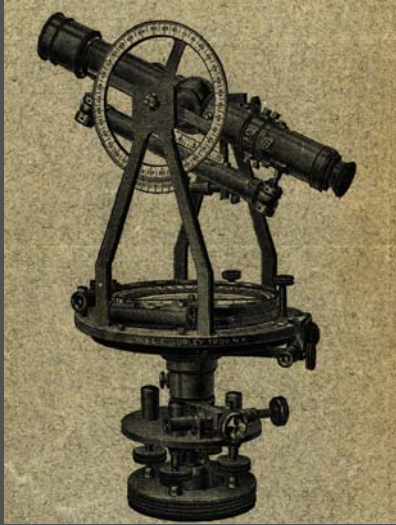


RECORDED AS . . .

Northeast Chapter of the Wisconsin Society of Land Surveyors



CHAPTER MEETING

Thursday

January 21, 2021, 5:00 PM

Liberty Hall

800 Eisenhower Drive,

Kimberly, WI 54136

Visit us on the web: www.wsls-nec.org



Mick Heberlein, PLS with the WisDOT will be doing a presentation on GNSS Observations of Passive Geodetic Survey Control Stations for 2022 Datum, scholarships will be awarded, new President will be ushered in, nominations will be taken and it's Committee Sign Up Night!

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2020 MEETINGS, SCHEDULE & LOCATION

Annual General Meeting

Rock Garden—Comfort Suites in Green Bay
January 23, 2020 5:00pm Social 5:30pm Dinner/Mtg

Winter Board Meeting

Nicky’s in De Pere
February 13, 2020 6pm Social 6:45pm Dinner/Mtg

Spring General Meeting

CANCELLED
April 16, 2020 6pm Social 6:45 pm Dinner/Mtg

Spring Board Meeting

CANCELLED
May 14, 2020 6pm Social 6:45 pm Dinner/Mtg

Summer Golf/Trap Outing

Hilly Haven & Triple J in De Pere
Area golf course/trap shoot
July 23, 2020 5pm Social 5:30 pm Dinner/Mtg

Summer Board Meeting

Wave Pointe Marina & Resort in Little Sturgeon
August 13, 2020 6 pm Social 6:45 pm Dinner/Mtg

Fall General Meeting

Rock Garden in Green Bay
October 22, 2020 6pm Social 6:45pm Dinner/Mtg

Fall Board Meeting

After Burners in Sheboygan
November 5, 2020 6pm Social 6:45pm Dinner/Mtg

Annual General Meeting

Liberty Hall in Kimberly
January 21, 2020 5:00pm Social 5:30pm Dinner/Mtg



**Newsletter
Online**

Please let me know if anyone would like anything additional added to the newsletter.

Jill Bostedt - Newsletter Editor

Don't forget to pay your 2021 dues!

2020 Chapter Representatives

President - Brad Nelson - 715-938-2649

President Elect - Howard Herrild - 920-498-5674

Director - Ryan Beltrand - 920-366-7036

Past President - Ryan Duckart - 920-448-4493

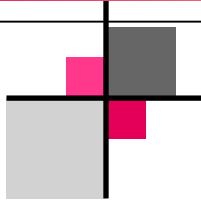
Secretary\Treasurer - Tom Leslie - 920-448-4495

NE Chapter Representative - Jim Sehloff - 920-562-6562

Newsletter Editor - Jill Bostedt - 920-327-7853

2020 OFFICERS:

- Kevin Boyer
WSLS President
- Mark Argent
NSPS President
- Jim Sehloff
NE Chapter Rep to WSLS



PRESIDENT'S MESSAGE:

President's Message:

Dear Fellow Surveyors,

I hope everyone had a great time with family during the holidays and hopefully the new year means we can leave 2020 behind us. I have been amazed how we were able to make changes on the fly when social distancing became the new norm. 2020 has been a very disruptive year from cancelled meetings, cancelled events, having to switch to teleconferencing meetings, and don't forget to bring your mask. I often wonder what the Founding Fathers would have thought about the 2020 crisis!

I wish Howard Herrild best wishes in the 2021 year as our new Chapter President. I have been truly honored as serving as your President this past year. I think Howard will make a great president, he has done some great things for NWTC and should be a great fit for the Northeast Chapter. The Annual Meeting will be held at Liberty Hall in Kimberly on January 21st. Please contact Tom Leslie or myself if you wish to attend so that we may get an accurate head count. I encourage everyone to get more involved on committees or even serve as a chair for a committee. The sign up sheet will be available so please sign up and make a difference.

The chapter has so many great people that make it all come together. I would like to personally thank Mark Kamin for his support in Webex meetings. He was able to find solutions to have virtual meetings for general meetings and we were able to host the chapter seminar in part via a Webex meeting. I also would like to personally thank Tom Leslie for his dedication to the chapter. He does a great job of organizing the chapter.

Don't forget the 72nd Annual WSLs Institute is going virtual this year at the end of January. The date has remained the same January 27th – January 29th, 2021.

I hope to see everyone at the Annual Meeting but if you can't make it we will be offering a Webex meeting. It has been a pleasure as serving as your president.

Sincerely,

Brad Nelson, PLS
President
Northeast Chapter of WSLs



~ GENERAL MEMBERSHIP MEETING ~

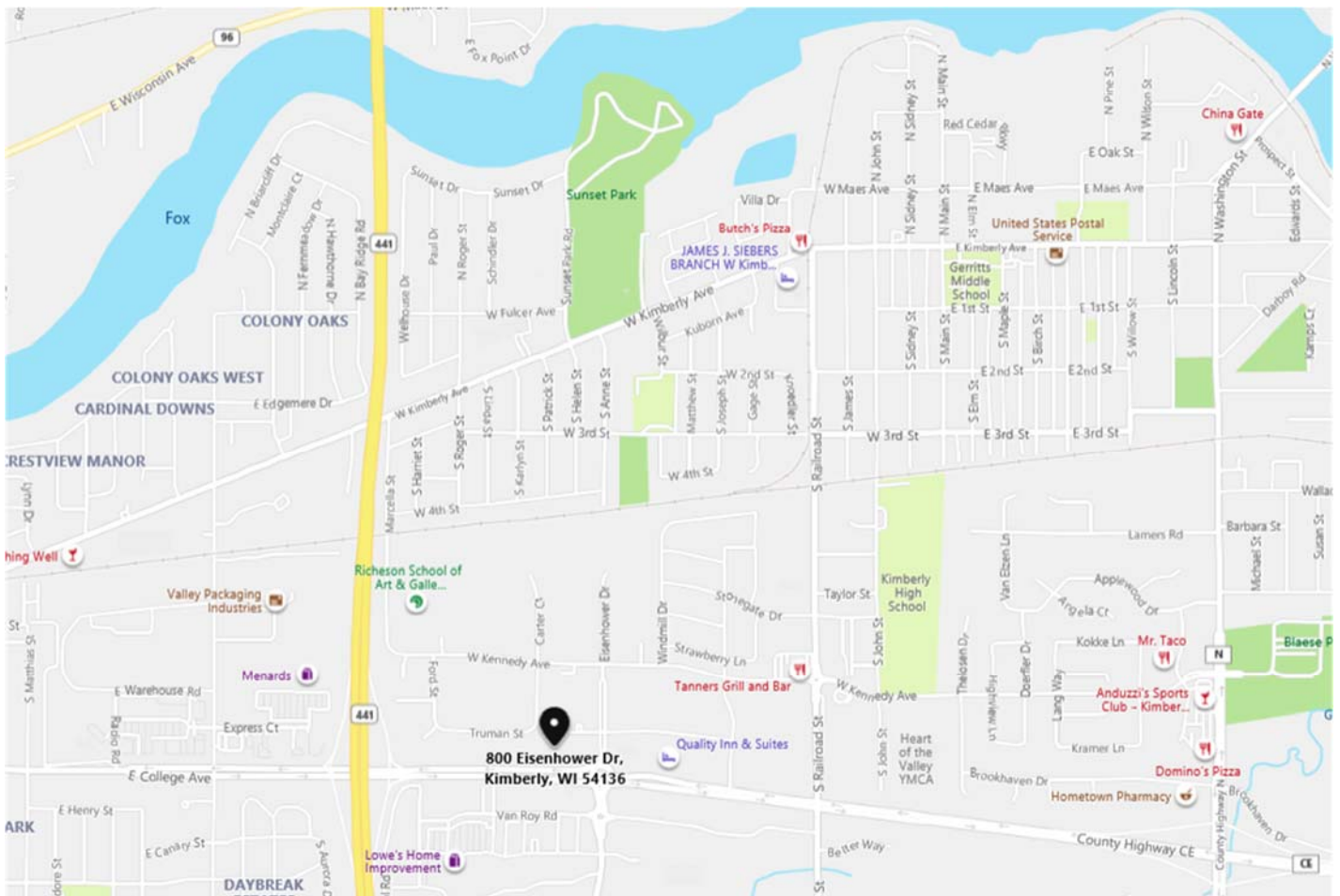
Northeast Chapter of the Wisconsin Society of Land Surveyors

Attitude adjustment is at 5:00 pm and Dinner is at 5:45 pm. Dinner will cost \$20.00.

If you plan on attending the meeting please RSVP so we can get an accurate count for the meal.

Tom Leslie Secretary/Treasurer (920) 448-4495 Leslie_TL@co.brown.wi.us

Brad Nelson President (715) 938-2649 bnelson@quantumspatial.com



Liberty Hall Banquet and Conference Center
800 Eisenhower Drive
Kimberly, WI 54136



Northeast Chapter
OF THE
Wisconsin Society of Land Surveyors



Annual Meeting Agenda

January 21, 2021 | 5:00PM | Meeting location: Liberty Hall - Kimberly

President	Brad Nelson
President Elect	Howard Herrild
Past President	Ryan Duckart
Director	Ryan Beltrand
Secretary/Treasurer	Tom Leslie
NE Chapter Rep	Jim Sehloff

AGENDA TOPICS

CALL THE MEETING TO ORDER	
IN MEMORY OF BERNIE WATERMOLEN, KIP INMAN, AND MARK TEUTEBERG	
ADDITIONS TO THE AGENDA	
APPROVE THE MINUTES FROM THE OCTOBER 2020 GENERAL MEETING	
APPROVE THE TREASURER'S REPORT	Tom Leslie
NEWSLETTER EDITOR'S REPORT	Jill Bostedt
WSLS REPORT	Jim Sehloff
NSPS REPORT	Lisa Van Horn
YOUNG SURVEYORS NETWORK	Connor Christopherson

COMMITTEE REPORTS

Auditing Committee	Terry Van Hout
Business:	
CST Committee	Howard Herrild
Business:	
Ethics and Practices Committee	Tom Leslie
Business:	
Land Records Committee	Kory Rentmeester
Business:	
Legislative Committee	Jim Sehloff

COMMITTEE REPORTS

Business:

Membership Committee

Brian Frisque

Business:

Nominating Committee

Ryan Duckart

Business:

Program Committee

Andy Cleveland

Business:

Public Relations Committee

John Sleik

Business:

Scholarship Committee

James Cappeart

Business:

Seminar Committee

Terry Van Hout

Business:

Student Chapter Committee

Jake Kocken

Business:

Trig-Star Committee

Ryan Duckart

Business:

OLD BUSINESS

NSRS 2022 / WSRS 2022 Update

Chapter Seminar

NEW BUSINESS

Annual Report

Ligardo (LightSquared) Update

FAA Drones will need a remote ID

72ND WSLI Institute Going Virtual January 27th – 29th

Committee Sign Up Sheets

NEW BUSINESS

Election of Board of Directors

President: Howard Herrild
President-Elect: Ryan Beltrand
Director: Brian Frisque

Past President: Brad Nelson
Secretary/Treasurer: Tom Leslie
NE Chapter Rep: ?

Any other new business?

Adjourn



2020 Student Meal Donations

Al Tilly
Ayres Associates
Brian Frisque Surveying
Coleman Engineering
Dale Raisleger
Ed Harvey
Harris & Associates
Jason Houle
Jim Wallen
Joe Lett
Larry Miller
Mach IV
Mau & Associates
Meridian Surveying LLC
NWTC
Seminar (Suprina)
TNT Professional Surveying
Tom Fogarty
Vande Hei Surveying

“THANK YOU!”

60 student meals are now available...

**PLEASE consider donating to the Student Meal Fund.
Northeast Chapter membership meetings are a great
place to meet and greet “future employees”**



Donald Swanson

1955 - 2020

Donald Edward Swanson died December 11th, 2020 at the age of 65.

He was born on October 31st, 1955, in Ishpeming, MI to Robert Russell and Dorothy Wilma Swanson. The family moved to Hayward when he was 5, where he spent the remainder of his childhood.

He attended UW-River Falls and the University of Minnesota, earning a Bachelor's in Civil Engineering.

On April 9th, 1994, Donald married Mary Conard Swanson. They had two children, Emily (the oldest) and Heidi (the favorite).

His many hobbies included hunting and fishing, perusing secondhand shops for "incredible" antiques, researching his genealogy, and spending time with his dog, Xander.

Don was predeceased by his parents, his brothers Rollin and John, and his nephews Ryan, Drew, and Dayne.

He is survived by his wife Mary, his daughters Emily and Heidi, and his siblings Bobby (Lee), Rolf, and Anne Marie (Owen), and sisters-in-law Pam (Rollin) and Linda (John). He is further survived by many nephews, nieces, and cousins, especially his cousin Keith and his good friends Robert "Bone" and Cathy Hamblin.

Among many memories, some of our favorites include: when he thought the song "Moves Like Jagger" said "you have to move that jacket"; mornings when he made Swedish pancakes; and numerous skiing and fishing trips (even though we sometimes got lost).

Don also worked for Brown County for several years and help build the AutoCad base map



Jeffrey “Kip” Inman

1954 - 2020

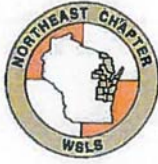
Jeffrey Kip Inman, 65, of Green Bay, WI, passed away on Thursday, August 27, 2020 after suffering a heart attack in his beloved lake house on Indian Lake in Manistique, Michigan.

Kip was born in Bloomington, Indiana on September 23, 1954, on his father’s birthday to the late Earl Jeffrey and Marjorie Inman. Kip’s family moved to Valparaiso, IN, where he spent his childhood, and later to West Lafayette, IN, where he attended junior high and high school at Harrison. In 1965, Kip assisted his dad in the construction of an A-frame cabin on Indian Lake in Manistique. By 1966, the family was spending every summer up north, and by age fourteen, Kip had saved up enough money to buy a gold hydro plane boat. Kip enjoyed a childhood with two younger brothers, Steve and Dan. Although the family took various vacations around the country during Kip’s youth, Indian Lake became Kip’s favorite spot because he had met and fallen in love with Lori White during his sophomore year of high school. After graduating from high school, Kip enrolled at Purdue University’s School of Engineering and pledged Theta Chi fraternity. Kip couldn’t bear parting with the love of his life every fall as she was in Michigan and he was in Indiana, and so he took a semester off from school to be with Lori and work in Michigan. He lived at Lori’s parents’ house with her whole family, and Lori’s four younger siblings remember this time with Kip fondly. In March 1976, Kip and Lori were married, honeymooned in Florida, and moved into married student apartments on campus. Kip graduated in 1977 with a Bachelor’s Degree and began what would be a very accomplished career in land surveying. Kip would go on to perform many highway and bridge projects and then mastered construction layout; his most notable projects include hospitals, schools, Soldier Field in Chicago, IL, the Resch Center in Green Bay, WI, and Lambeau Field Packer Stadium.

After college, Kip and Lori moved to Mount Pleasant, MI and started a family. They moved to Sheboygan, WI and then finally to Green Bay, WI, where they settled for many years and raised their three children: Jeffrey, Michelle, and Stephen. The family continued traveling up north, building countless happy memories of activities at the lake. Kip especially enjoyed boating and even bare foot water-skied well into his fifties! Eventually, Kip and Lori welcomed three grandsons: Ethan, Matthew, and Liam. Kip also liked to snowmobile and golf—but loved nothing more than to do these things with his family.

In 2011, Kip started a land surveying business with his sons. He was a skilled surveyor and generous husband, father, and grandfather. He will be dearly missed for the way he loved others so well, his sense of humor, his steadfastness, and his sensibility, among many other irreplaceable qualities.

Kip is survived by his wife of forty-four years, Lori Inman; three devoted children, Jeffrey Inman of Green Bay, WI, Stephen (Cassandra) Inman of De Pere, WI, and Michelle Inman (whose partner is Aaron Watts) of De Pere, WI



Northeast Chapter
OF THE
Wisconsin Society of Land Surveyors



2020 AUDITING COMMITTEE REPORT

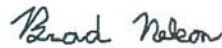
The Auditing Committee met January 13, 2021 to review the financial records of the Northeast Chapter of the Wisconsin Society of Land Surveyors for the year of 2020.

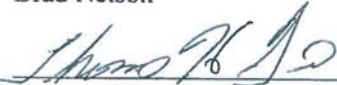
We have examined the receipts, bank statements, ledger and other pertinent records. The Auditing Committee reports that the financial records appear to be in good order, and submit the following:

Opening Checkbook Balance as of 01-01-2020		\$9,916.61
<u>Total Deposits</u>		
Dues and Miscellaneous Receipts	<u>\$9,595.40</u>	
Sub Total	\$9,595.40	\$19,512.01
<u>Expenditures</u>		
Checks Returned (19)	\$7,833.60	
Total Checks Written (19) (Check # 2548 Not Returned)	\$9,347.80	
Service and Redeposit Charges	\$35.00	
Withdrawal	<u>\$175.00</u>	
Total Expenditure	\$8,043.60	\$11,468.41
<hr/>		
Checkbook Balance as of 12-31-2020		\$11,468.41
Cash on Hand		\$175.00
Certificate of Deposit (will mature on 5-8-2021)		\$2,257.01
Total Chapter Assets		\$13,900.42

Respectfully submitted:


Terry L. Van Hout – Chair


Brad Nelson


Thomas Giese

The Northeast Chapter of the Wisconsin Society of Land Surveyors

2021 Sponsor A Student Meal Program

Sponsorships are for a free meal at any of the 4 Quarterly Northeast Chapter General Meetings. Any student or person interested in the profession is eligible. If you have someone that would like to participate, please bring him or her along to the next meeting.

Thank you to all who participated in the past 14 years, it has been a HUGE success!

We are again asking for your support in sponsoring student meals in 2021 and beyond. Your donation will encourage students (and potential employees) to take an interest in the surveying industry and perhaps Chapter involvement.

-- Please fill out form below as you would like to be acknowledged for your free meal donation --

Date: _____

Name: _____

Company: _____

Phone Number: (H) _____ (W) _____ (Fax) _____

Email: _____

Sponsorship Fee: \$25.00 per meal

- I/We would like to sponsor _____ student meals (meals x \$25.00)... \$ _____

Make checks payable to: The Northeast Chapter of WSLS
Return to: Tom Leslie - Secretary/Treasurer
1951 Andraya Lane
De Pere, WI 54115

*Northeast Chapter
Wisconsin Society of Land Surveyors*

**TREASURER’S REPORT
December 31, 2020**

Checking Account

Starting Balance 1-1-20 9,916.61*

Deposits

3-10-20	Winter General Meeting/Dues	3,555.00
4-24-20	Dues	1,715.00
6-2-20	Dues	280.00
8-6-20	Summer Meeting/Dues	780.00
10-7-20	Fall Seminar	2,350.00
12-4-20	Fall General Meeting	915.40

+ 9,595.40

Checks

Comfort Suites-Room for 2019 seminar	2538	120.12
Chapter Scholarship (Halbach)	2539	750.00
Appleton Trophy - Prez & Jill plqs	2540	149.31
Secretary/Treasurer Dues	2541	600.00
Scholarship (Braun)	2542	750.00
WLS Bucky’s Team	2543	250.00
WLS Foundation	2544	1000.00
Secretary supplies	2545	120.86
Newsletter Editor dues	2546	400.00
WLS Foundation-CST donation	2547	450.00
VOID	2549	0.00
NWTC NSPS Competition donation	2550	1,000.00
Hilly Haven down payment	2551	300.00
Appleton Trophy (Lifetime-Wallen)	2552	44.31
Refund Seminar (Huxford)	2553	75.00
Summer Mtg Meal – Hilly Haven	2554	363.82
Seminar Presenter costs - Matonich	2555	250.00
Seminar Venue costs – Rock Gardens	2556	410.18
Lisa Petersen – Seminar Presenter fee	2557	400.00
WLS Foundation (Matonich donate fee)	2558	400.00
Withdrawal for projector screen		175.00
Service Charge		35.00

-8,044.60

Chapter Checking Acct: * 11,467.41

** Checking Acct contains \$1190 for donated student meals* -1,190.00

6-Month Certificate of Deposit

Last Maturity Balance	11-6-20	2,258.71
Current Interest Rate (0.02%)	Next Maturity Date: 5-12-21	

TOTAL ASSETS: \$12,536.12

*Winter 2021 General Meeting
Tom Leslie
Northeast Chapter Treasurer*



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- Experienced and knowledgeable staff to support your needs.
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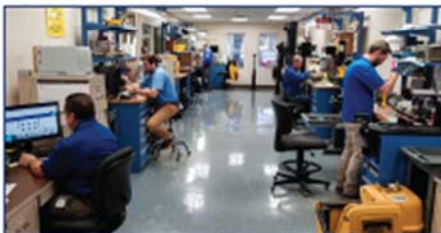
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Northeast Wisconsin Chapter
 OF THE
Wisconsin Society of Land Surveyors

PAID MEMBERSHIP
 As of December 31, 2020

PROFESSIONAL	72
AFFILIATE	25
STUDENT	28
SUSTAINING	3
LIFETIME	<u>27</u>
TOTAL	155



Northeast Chapter of WSLs

2020 FALL BOARD OF DIRECTORS MEETING

November 19, 2020 – Virtual Meeting

There were 6 members present when President Nelson called the meeting to order at 6:44 pm

A motion was *made, seconded and approved* to accept the Board meeting minutes from August 13, 2020

Treasurer's Report was accepted as presented

The following reports were given: (*email or # virtual)

NEWSLETTER EDITOR REPORT (Jill Bostedt)*

- No report at this time

WSLS REPORT (Jim Sehloff)*

- No new happenings since last General meeting

NSPS REPORT (Lisa Van Horn)*

- No report at this time

AUDITING (Terry Van Hout)*

- Packet will be delivered to committee in time to hopefully get it in the Winter newsletter

CST (Howard Herrild)*

- No new happenings since last General meeting

ETHICS AND PRACTICE (Tom Leslie)

- Contacted by complainant of Assessor Plat issue – all has been resolved

LAND RECORDS (Kory Rentmeester)*

- No report at this time

LEGISLATIVE (Jim Sehloff)*

- No report – election time!

MEMBERSHIP (Brian Frisque)

- Membership count: 156
- Chapter Member Kip Inman passed away in August 2020
- Chapter Lifetime Member and Past Chapter President Bernie Watermolen passed away in October 2020

NOMINATING (Ryan Duckart)

- Chapter nomination process is going well
- Chapter will file nominations for WSLs Annual Awards – Committee will work on getting them submitted in time for consideration by WSLs

PROGRAM (Andy Cleveland)*

- Still looking for presentation for January Meeting

PUBLIC RELATIONS (John Sleik)*

- No report at this time – not much public interaction

SCHOLARSHIP (James Cappert)*

- Chapter applications have been sent to participating schools – form will be online, with due date of December 4

SEMINAR (Terry Van Hout) given by Tom Leslie

- Discussed whether to hold next year's Seminar as usual (March) or hold in September – all depends on how things are going with pandemic
- Seminar participant Richard Supina could not make the seminar but did donate the \$100 fee to Student Meals

STUDENT REPRESENTATIVE (Jake Kocken)*

- 2nd year students are now all virtual classes
- 1st year students are splitting time between in person at the school & virtual online

TRIG*STAR (Ryan Duckart)

- Trying to contact schools to find out what can be done for future presentations – virtual?? Test has to be taken in-person so that could be an issue

YOUNG SURVEYOR (Conner Christopherson)*

- No report at this time – chapter looking for new representative that will attend meetings

OLD BUSINESS

- Update to the WSLs Wisconsin Laws book is moving forward – rough draft is ready

NEW BUSINESS

- Adding a co-signer for Chapter bank accounts (Chapter Representative) will be done after WSLs elections as few members are running for office

Being no further business, a *motion was made, seconded and approved* to adjourn at 7:25 pm

Respectfully submitted,

Thomas Leslie, Secretary
Fall 2020 Board meeting





Bernard Lee “Bernie” Watermolen 1935 - 2020

On Friday October 9, 2020, Bernard Watermolen, age 85, passed from this life to eternal life. He was born January 13, 1935 to Robert and Verna (Fabry) Watermolen. Bernard was a graduate of Green Bay East High School. He joined the U.S. Naval Reserve in 1953, then enlisted in the U.S. Army and served in Germany.

He married his life-long partner and love, Margaret "Peggy" Swearingen in 1954. For the next 66 adventurous years raised 5 children, enjoyed 9 grandchildren, and 6 great grandchildren. After his tour of duty, Bernard attended the University of Wisconsin, Madison. Through the years, Bernard was employed with the WI Department of Transportation, Brown County as the county's first full time Surveyor, and Robert E. Lee Engineering Firm. He then decided to form his own Land Surveying business, which he thoroughly enjoyed until retirement.

Bernard was a member of the State of WI Land Surveyor's Society, Wisconsin NE chapter of Land Surveyor's. He also served on the WI Registration Board for Engineers, Architects and Land Surveyors, and also the Planning Board of Silver Cliff, WI.

Bernard retired to his home in his beloved north woods, where he and his family gathered throughout the years enjoying all that nature provided. He and Peggy traveled to many places. Bernie's favorite was Alaska. Every winter they enjoyed traveling to Florida.

Bernie was an avid fisherman with many meals of brook trout served at his table.

Bernard was preceded in death by his mother, Verna; father, Robert; and brother, Jerry Watermolen.

He is survived by his wife, Margaret; children: Wendy (Jeff) Weliky, Lac Du Flambeau, Kathryn Smiths, De Pere, Todd (Terri) Watermolen, Ixonia, Michael (Karen) Watermolen, Green Bay, and Jill (Peter) Worley, Green Bay; grandchildren: Ryan (Courtney) Smits, Jordan (fiancée Abby) Smits, Patrick (Kristen) Smits, Emma Watermolen, Jack Watermolen, Beth (Corey Zimmerman) Watermolen, Kristen (Blake) McClanahan, Vanessa Tenhaken, and Dryden Lepp; 6 great grandchildren. Also survived by brother, Richard (Nancy) Watermolen; brother-in-law, Robert (Sue) Swearingen, and many nieces and nephews.



Mark Teuteberg

1955 - 2020

Mark Teuteberg entered eternal life on December 3rd at the age of 65. He was born December 2nd, 1955 and grew up in Eagle, Wisconsin. He attended Mukwonago High School and remembered those years as some of the best of his life. After graduation from Gateway Technical College with a degree in Land Surveying, Mark moved to the Green Bay Area.

Mark was married to his high school sweetheart, Bonnie (Stemper) for 43 years. Mark retired after a 35 year career as a Land Surveyor. He last worked at Oconto County as head of the Land Information Department. He was proud of the work he led regarding land records. He established many friendships throughout his career.

Mark was a long time active member of First Lutheran Evangelical Church, Green Bay where he served as council president as well as other duties. He loved his church and enjoyed caring for the elderly members of the congregation and keeping the property beautiful.

Mark was passionate about his favorite team the Green Bay Packers. Another passion was keeping his yard in pristine condition. You would often find Mark riding his John Deere lawn tractor, but pausing for a visit with neighbors and friends.

Mark is survived by his wife, three sons, Robert (Ann) Chippewa Falls, Michael (Lili) currently docked in Falmouth, England, Daniel (Jamie), Olympia, WA, along with four grandchildren, Lucy and Owen, Cienna and McKenna. Mark is also survived by 2 brothers, a sister, brothers and sisters-in-law, many nieces, nephews, aunts, uncle, and cousins. He leaves behind many dear friends and colleagues. He is preceded in death by his parents and a brother.

We will remember Mark as a kind and friendly man, who loved life's adventures but mostly he will be remembered as Dad, Papa, brother and friend. Mark recorded these words before his disability occurred and wanted them included in his obituary:

I want all who read this to know that there is absolutely no doubt in my mind that upon death I will enter heaven. I will do so, not by my own worthiness, but only through the merits of Jesus Christ, my Savior, who paid the price for my soul's redemption through his death on the cross. For me to live was Christ, and to die is gain. I commend my loved ones into the hands of the Lord and encourage them to place their faith and trust in him alone for their salvation.

I pray that the Lord would guard and protect my children. You are very special to me and I thank the Lord for you. Through your baptism you have been received into God's family and I urge you to remain faithful to Christ until you are called home to be with the Lord. I love you and I look forward to eternity with you in heaven.

Service: A private service will be held at First Lutheran Church. A Celebration of Mark's life will be held at a future time. In lieu of flowers, contributions in Mark's honor can be made to the Wisconsin Society of Land Surveyors Foundation to be used for student scholarships.



Northeast Chapter of WSLs

2020 FALL GENERAL MEETING MINUTES

October 22, 2020 – Rock Gardens in Green Bay, WI

The 2020 Fall General Meeting was held on October 22, 2020 at Rock Gardens in Green Bay, WI. There were 39 members present, including 12 students, and 6 members online when Chapter President Brad Nelson introduced the presenter via online WebEx meeting at 7:30 pm

SPECIAL PRESENTATION

- Dick Kleinmann, PLS is the Project Manager – Geospatial Division of Ayres Associates. He is Chair of WSLs Geospatial Committee, Co-Chair of Wisconsin Spatial Reference System 2022 Task Force (WSRS 2022) and Directors on WLS & NSPS Boards. This presentation is not about technical issues but more about ramifications and implementation issues. Discussion included:

- New datums are coming! Both horizontal reference frame and vertical datum, including a new geoid as well
- There will be four terrestrial reference frames: North American, Pacific, Mariana & Caribbean
- Approximately 1.25 meter shift in horizontal (ellipsoid center shift)
- Elevation change for Wisconsin is approximately between -0.50 to -0.75 meters
- No more negative longitudes – all will be positive & East
- Wisconsin will move forward from three zones to only two – no more State Plane coordinates (for now anyway)
- US Foot being phased out on Dec. 31, 2022
- Modernized NSRS planned for 2022 will be delayed to 2024-2025 timeframe
- As professional land surveyors, we can
 - a. Build our base knowledge and gain a better understanding of the issues
 - b. Position ourselves to be the industry experts that our clients can count on to address these issues
 - c. Start making small changes in the way we do things now
 - d. Inventory your data, workflows and software to identify weaknesses
 - e. Complete GPS observations to add to and improve NGS data and conversion tools
- Dr. Vonderohe is the person who led the redesign of the Wisconsin County Coordinate Systems back in 2006

- He has a new online book that delves into the new datums coming up. Check it out at the following link:

<https://www.sco.wisc.edu/pubs/the-new-2022-datums-a-brief-book/>

President Nelson thanked Mr. Kleinmann for the very informative presentation. President Nelson then called the Winter General Meeting to order at 8:37 pm

A motion was made, seconded and approved to accept the General Meeting minutes of July 23, 2020 as presented in latest Chapter newsletter

A motion was made, seconded and approved to accept the Treasurer's Report as presented in latest Chapter Newsletter

The following reports were given (*email or # virtual)

Newsletter Editors Report (Jill Bostedt)*

- No report at this time

WSLS Report (Jim Sehloff)

- The Board last met virtually on October 17
- 2021 Institute will be completely virtual – emails with more info should be arriving soon from UW-SP
- CST testing will not be held at Institute this year. CST website states test can be taken online
- WISDOT Committee: Discussed two issues – utility locates which are not much improved and the backlog of receiving title reports for projects. Committee asks that everyone continue to file no show tickets
- Most Chapters have found a way to hold meetings
- The Board will consider a two year membership structure for Students after more information is obtained. A change in By-Laws would be needed
- WSLs Annual Meeting will be held virtually during the Institute (see schedule for exact day and time)
- Proposed for discussion: The quarterly newsletter costs around \$15,000 a year to produce and mail. Does the membership prefer paper or digitally? If paper, then perhaps charge an additional \$20??

NSPS Report (Lisa Van Horn)*

- No report at this time

Auditing Committee (Terry Van Hout) #

- Secretary will get the year end packet to the Committee so that the report may be included in the Winter newsletter and approved at the meeting

CST Committee (Howard Herrild)

- See WSLs Report on latest news

Ethics and Practices (Tom Leslie)

- No further contact from complainant on Assessor's Plat issue

Land Records (Kory Rentmeester)*

- WLIA held a virtual meeting on October 12-16
- 34th Annual WLIA Annual Conference will be held virtually on February 15-19, 2021

Legislative (Jim Sehloff)

- No activity as it's election time
- AE-7 is still out there – not approved yet

Membership (Brian Frisque)*

- Total Membership as of meeting: 158

Nominating Committee (Ryan Duckart)

- Currently taking nominations for Director and Secretary/Treasurer
- Both Aaron Ballast (Director at Large) and Jim Sehloff (President) will be running in this year's WSLs elections – ballots to be emailed in January 2020. Make sure to VOTE!

Program Committee (Andy Cleveland)*

- Thank you again to Richard Kleinmann for the presentation
- As a result of the presentation, perhaps we could get Mick Heberlein from DOT to discuss how Chapter members can help make observations and what is needed

Public Relations (John Sleik)

- No activity since last report – all is cancelled

Scholarship Committee (James Cappelart)

- Getting ready to send out announcement to the participating schools
- The upcoming 2021 NE Chapter Scholarship is named after Ken Wolfe
- Committee Chair will get application process online

Seminar Committee (Terry Van Hout) #

- Seminar Report is presented in the latest newsletter
- There were 16 in-person and 16 watching virtually

Student Representative (Jake Kocken) *by attendees*

- Students introduced themselves, what year they are in school and if they're looking for a job
- Most classes are now virtual

Trig-Star (Ryan Duckart)

- Nothing going on right now – see how things progress with times being the way they are right now
- Plans are to continue with Bayport, Denmark and Two Rivers – always looking for help with presentations!

Young Surveyor Network (Conner Christopherson)*

- There are currently 123 members. Requirements for joining are: PLS 35 years older younger, PLS within last 10 years of graduating, PLS license within last 5 years or a student of land surveying
- The FIG meeting in Amsterdam has been turning into a virtual meeting for those not from Europe
- No in-person Fall meeting will be held. Next scheduled meeting is in April (not sure if in-person or virtual)

Old Business

- No old business to discuss

New Business

- Bucky's Challenge is cancelled for 2021. Do we still make the \$250 donation? *A motion was made, seconded and approved* to combine Bucky's Challenge \$250 donation with the annual \$1000 Chapter Foundation donation for a total Foundation donation of \$1250
- A regional municipality CSM review ordinances call for both County and State Plane coordinates for the same CSM. This is rarely required and creates all sorts of problems. It was suggested that someone contact the muni involved and highly suggest they revise the ordinances – any takers??
- WSLS is planning to reprint and updated version of "Wisconsin Laws to Practice Surveying" – any suggestions or comments should be forwarded to Frank Thousand at WSLs
- Should we record our meetings & seminars? How do we present them? store them? give access to? Howard Herrild suggested creating a YouTube channel for the Chapter. Will check out the details and report back at next meeting
- Brown County now has traverse notes & Town Road Records available online. Still working on R/W plats
- Big THANK YOU to our Sustaining Members!

Chapter Free Meal: Jason Houle (Donated to student meals)

Being no further business, *a motion was made, seconded and approved* to adjourn at 9:51 pm.

Respectively Submitted,

Thomas Leslie
Secretary/Treasurer

Auditing Committee

Responsible for reviewing the financial records of the Northeast Wisconsin Chapter at the end of every fiscal year (December 31) to ensure that all finances are in order, and report these findings at the Winter Board Meeting in February and at the Spring General Membership Meeting in April

CST Committee

Responsibilities include the following:

- Promote the Certified Survey Technician (CST) Program within the Northeast Chapter through local colleges, surveying/engineering firms, municipalities and other local government offices relating to land surveying
- Provide proctors for CST exams as needed
- Coordinate exams with the NSPS
- Work closely with the Northeast Chapter Board and WSLC CST Committee

Ethics & Practices Committee

Responsibilities include the following:

- Supply complaint forms and information to all that request
- Review and process all complaint forms received in as quick and timely a manner as possible according to the published timeline printed on the back of the complaint form

- Facilitate a resolution that is satisfactory to both complainant and surveyor
- Report all complaints (and results) to the NE Chapter Board
- Forward all unresolved complaints to the State Ethics & Practices Committee

Land Records Committee

Responsibilities include the following:

- Monitor and represent the land surveyor's role and interests in the development of land information programs
- Promote interest and participation of our Society members in the Wisconsin Land Information Association
- Communicate and coordinate tasks with the WSLs Land Information Committee

Legislative Committee

Responsibilities include the following:

- Monitor and report any legislation concerning land surveying

Membership Committee

Responsibilities include the following:

- Promote the benefits of Chapter membership
- Report paid membership totals at all General Meetings

- Contact (by letter) all new land surveying registrants residing/working within the NE Chapter area. Offer a free one year membership to NE Chapter

Nominating Committee

(Consists of President, Past President & President Elect)

Responsibilities include the following:

- In the fall, canvas existing Chapter Officers to see if they will seek re-election or vacate their office
- Check to see if the Chapter Representative to WSLs is up for election
- Poll membership to find willing candidates for open positions
- Present candidate names for elections at the annual meeting of the general membership

Program Committee

Responsibilities include the following:

- Arrange guest speakers for meetings
- Coordinate the Summer Golf and Trap Shoot
- Coordinate prizes for the Summer Golf and Trap Shoot
- Any additional charges requested by the Board of Directors

Public Relations Committee

Responsibilities include the following:

- Promote our NE Chapter and WSLS at various trade shows throughout the year, which could include the following:
 - WLIA annual conference exhibit booth held in March
 - National Railroad Museum's "Day in the Life of a Surveyor" in May
 - Various classroom Q & A sessions with local technical college surveying programs
- Educate and promote the general public on the benefits of the surveying profession and the chapter's involvement with WSLS
- Always look for new events to that could help educate and promote surveying

Scholarship Committee

The Northeast Chapter awards two annual scholarships:

Don Rhode Leadership Scholarship
Northeast Wisconsin Chapter Scholarship

Eligible students must be enrolled in an accredited land surveying program, and must have residency in the Chapter area

Responsibilities include the following:

- Send notices to the department heads at NWTC, FVTC, Nicolet, and Michigan Tech to be posted for student viewing
- The Chair distributes all received applications to committee members for the selection process

- Winners are notified by mail and invited to the January General Membership meeting to accept the award from a Committee representative

Seminar Committee

Responsible for all aspects of preparing & running the annual Chapter Spring Seminar held every March.

Responsibilities include the following:

- Determine topic(s) of the upcoming seminar
- Acquire presenters for both morning and afternoon sessions
- Pick place and time (including food & drink?)
- Design and distribute informational fliers (w/ registration) (using both regular mail & email lists)
- Any printed handouts or gift for guests??
- Set-up & prepare location before seminar
- Distribute & collect seminar rating sheets at seminar
- Various other small but important duties not listed

Student Representative Committee

Responsibilities include the following:

- Provide guidance to new student members
- Promote student membership of the NE Chapter among students enrolled in affiliated educational institution programs
- Coordinate involvement among student members, and students enrolled in affiliated programs to include but not limited, to
 - Communicate upcoming WSLs State Chapter and NEC activities, especially as it relates to education and promotion of the land surveying profession

- Support and participate in NEC Committee activities such as:
 - ~ Trig-Star Program
 - ~ Railroad Museum “Day in the Life”
 - ~ Hosting WSLs institutes
 - ~ CST certification
- Arrange NE Chapter sponsored events including classroom presentations, meetings, seminars, publications, field-trips, picnics, orientation
- Elect committee chairperson to:
 - Lead the student committee in the charges set forth
 - Represent student members at Board of Directors meetings
 - Amend any charges as directed by the Board of Directors

Trig*Star Committee

The Trig*Star program is sponsored by the National Society of Professional Surveyors and was created in 1983. The program’s major purpose is to introduce land surveying to high school students, while showing them that the trigonometry they are learning has a practical application in the working world

Responsibilities include the following:

- Selecting and contacting high school teachers who are currently teaching trigonometry
- Meet with math department and coordinate dates and times to present the program to interested students
- Register the school(s) with NSPS by submitting application and fees for exam. Solicit sponsorships with other chapter firms or individuals
- Prepare and present a 30-45 minute presentation, with topics such as the history of land surveying, prominent surveyors of the past, how surveying contributes to our way of life and why surveying is a viable career option

- Schedule testing dates with the schools and confirm the number of students interested in taking the exam
- Notify the school's newspaper as well as local news media
- Organize a team to assist in the proctoring of the exam. You will need at least two people. The exam is a combination of having the most correct answers in the shortest amount of time. A stopwatch is needed
- Administer the exam, and immediately score them
- Contact the winners and schedule a time to present them with the award money and certificates
- Submit test results to the WSLs Trig*Star representative and to NSPS

2021 NORTHEAST CHAPTER OF WSLs MEMBERSHIP APPLICATION

Name: _____ Registration Number: _____

Mailing Address: _____

Place of Work: _____ Work Phone: _____ Cell: _____

Work Email: _____ Personal Email: _____

Signature: _____ Date: _____

MEMBERSHIP DUES

- | | | |
|-----|---------------------------------------|---|
| () | Professional Member
\$40.00 | Any person currently registered as a Professional Land Surveyor in the State of Wisconsin |
|-----|---------------------------------------|---|
- | | | |
|-----|------------------------------------|--|
| () | Affiliate Member
\$20.00 | Any person not registered, who is interested in land surveying |
|-----|------------------------------------|--|
- | | | |
|-----|-----------------------------------|--|
| () | Lifetime Member
No dues | Any person having reached the age of 65, retired from practice, having been a member for two years prior to the date of retirement, having been recommended by a member and application approved by the Board of Directors |
|-----|-----------------------------------|--|
- | | | |
|-----|----------------------------------|---|
| () | Student Member
\$20.00 | Any person currently enrolled in a surveying curriculum
(Membership will be from start of program to January following graduation) |
|-----|----------------------------------|---|
- | | | |
|-----|--------------------------|--|
| () | Sustaining Member | Any commercial or professional institution or individuals interested or affiliated with the surveying profession |
| | \$80.00 _____ | Membership includes a display of their business card in Quarterly newsletter and on website |
| | \$120.00 _____ | Membership includes a full page ad, display of their business card in quarterly newsletter and on the website |

MAKE CHECKS PAYABLE TO: "THE NORTHEAST CHAPTER OF WSLs"

Return application and dues to: Tom Leslie 1951 Andraya Lane De Pere, WI 54115

Fall 2020 Seminar Report

“Title Insurance & Business Ethics”

Chapter/WLSL Members	28	1950.00
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Non-Chapter Members

Surveying	2	200.00
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<u>Title Companies</u>	<u>2</u>	<u>200.00</u>
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TOTAL	32	2,350.00
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Seminar Costs

Venue	410.18
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(Continental Breakfast, Lunch, Service Charge)

Presenter Costs	1050.00
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Matonich-Donate to WLSL Foundation (400.00)

Petersen-Donate to local Cancer fund (400.00)

Matonich Travel/misc costs (250.00)

TOTAL SEMINAR PROFIT	889.82
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Received positive feedback on all aspects of the seminar, both in person and virtual

Suggestions for future topics include: Easements, Legal descriptions, Boundary Law, R/W issues, Water boundary issues, Surveying related Case law

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2020 NE CHAPTER COMMITTEES

AUDITING COMMITTEE

Chair: Terry Van Hout (448-6224)
Tom Giese
Larry Miller

terry.vanhout@browncountywi.gov

CST COMMITTEE

Chair: Howard Herrild (498-5674)
Justin Smith-Herter

howard.herrild@nwtc.edu

ETHICS & PRACTICE COMMITTEE

Chair: Tom Leslie (448-4495)
Steve Zeitler
Jim Wallen
Brian Frisque
Joel Wald

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LAND RECORDS COMMITTEE

Chair: Kory Rentmeester (448-7655)
Joe Lett

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LEGISLATIVE COMMITTEE

Chair: Jim Sehloff (560-6562)
Justin Smith-Herter

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MEMBERSHIP COMMITTEE

Chair: Brian Frisque (743-7183)
Larry Miller
Tom Leslie

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NOMINATING COMMITTEE

Chair: Ryan Duckart (448-4493)
Brad Nelson
Howard Herrild

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PROGRAM COMMITTEE

Chair: Andy Cleveland (639-6908)
Jake Jensen
Rob Harris

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PUBLIC RELATIONS COMMITTEE

Chair: John Sleik (706-604-9132)
Zach Tillman
Aaron Ballast
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SCHOLARSHIP COMMITTEE

Chair: James Cappeart (468-4771)
Casey Pries
Jim Sehloff
Tony Schmidt
Larry Miller
Mark Kamin
Zachary Holshuer

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SEMINAR COMMITTEE

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Jeff DeZeeuw
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STUDENT CHAPTER COMMITTEE

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Adam Herzog

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TRIG-STAR COMMITTEE

Chair: Ryan Duckart (448-4493)

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PHOTOGRAPHER

Lisa Van Horn (360-1812)

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72nd Surveyors' Institute

January 27, 28 and 29, 2021

Virtual Conference Via Zoom



University of Wisconsin
Stevens Point

Welcome to Our First *Virtual WSLs Institute!*

Although the Institute may look and feel different, we are looking forward to continuing our more than 70 year tradition of providing quality education for those in the surveying industry. The 2021 Institute has a similar format with four concurrent sessions, providing a wide range of topics, along with a Virtual Exhibit Hall. This year, we are delighted to bring internationally recognized Elaine and Elly Ball from “Get Kids Into Survey” to kick off the Institute! We hope you enjoy your experience and we look forward to future years when we can again be together.

Wednesday, January 27

Opening Keynote Presentation | 8:30 a.m. – 9:45 a.m.



Elaine Ball, Founder
Get Kids into Survey,
United Kingdom

Elaine Ball works with small to multi-million dollar companies around the globe, within the Geospatial Sector

providing Strategic Marketing and Sales Implementation and coaching to surveyors and manufacturers. Since 2017, it has been Elaine's mission to get kids ages 12 years and under into survey by producing highly engaging posters. She works closely with Alison Watson at Class of Your Own who produces Design-Engineer-Construct Curriculum for schools (13 years +) as well as working alongside other major providers and universities.



Elly Ball, CEO
Get Kids into Survey
United Kingdom

Elly Ball runs the operations of 'Get Kids into Survey', an initiative founded in 2017 with one mission:

to educate and excite the next generation of surveyors & geospatial experts. Elly started her career in 2009 as an architectural photographer, floor planner, and later, SketchUp 3D Modeller. Elly's passion has always come from property and architecture and continues to work as a Freelancer in this role alongside GKIS.

Get Kids Into Survey: Inspiring Future Geospatial Experts!

1.0 PDH, Category 3

Over 85% of UK surveyors said they have problems recruiting due to a lack of qualified applicants (RICS, 2015). In fact, “the skills shortage has now overtaken planning and regulation as the second biggest problem facing the industry” (Telegraph 2017). In the USA, POB Magazine reported a shortage of surveyors, full stop! The FIG and the NSPS both launched young surveyor's networks to support surveyors aged up to 35 – but there's a more basic challenge: to generate interest in surveying as a career while kids are still in school!



Wednesday, January 27
10 a.m. – Noon

1. The NEW 2021 ALTA/NSPS Land Title Survey Standards

Gary R. Kent, PS, Meridian Land Consulting, LLC (owner/manager) and Schneider Geomatics (part-time). Chair of the Joint ALTA/NSPS Committee on the ALTA/NSPS Land Title Survey Standards, Indianapolis, Ind.

2.4 PDHs, Category 3

After 2 years of work on the part of two national committees, the proposed 2021 ALTA/NSPS Land Title Survey Standards were adopted by the Joint ALTA/NSPS Committee and sent to ALTA and NSPS for consideration. The new Standards will become effective on February 23, 2021. The changes from 2016 will be discussed and an explanation of what each means to the surveyor will be provided. In addition, along with an overview of the entire set of 2021 Standards, we will discuss the most common questions and requests from lenders that arise in the process of performing or completing a Land Title Survey and how the surveyor should or could respond.

2. Twenty Years – Twenty Lessons Learned Reviewing Plats and CSMs

Renee Powers, PLS, Supervisor, Plat Review, Department of Administration, State of Wisconsin, Madison, Wis.

2.4 PDHs, Category 1 or 3

What exactly are reviewer's thinking when they are examining my plat or map? And...what should they be thinking about?

3. NSRS Modernization Updates from the National Geodetic Survey ~ Part 1

2.4 PDHs, Category 1 or 3

Jacob Heck, Ph.D., Great Lakes Regional Geodetic Advisor, National Oceanic and Atmospheric Administration, Ann Arbor, Mich.

NGS is in the process of modernizing the National Spatial Reference System (NSRS). This talk will provide background on reference frames and geopotential datums and give an overview of the products and services that NGS provides to the Surveying community. It will then discuss NGS's efforts to modernize the NSRS including the latest news related to them. The talk will also show what you can do to help NGS improve the new NSRS through activities such as GPS on Benchmarks.

Continued in Session 7

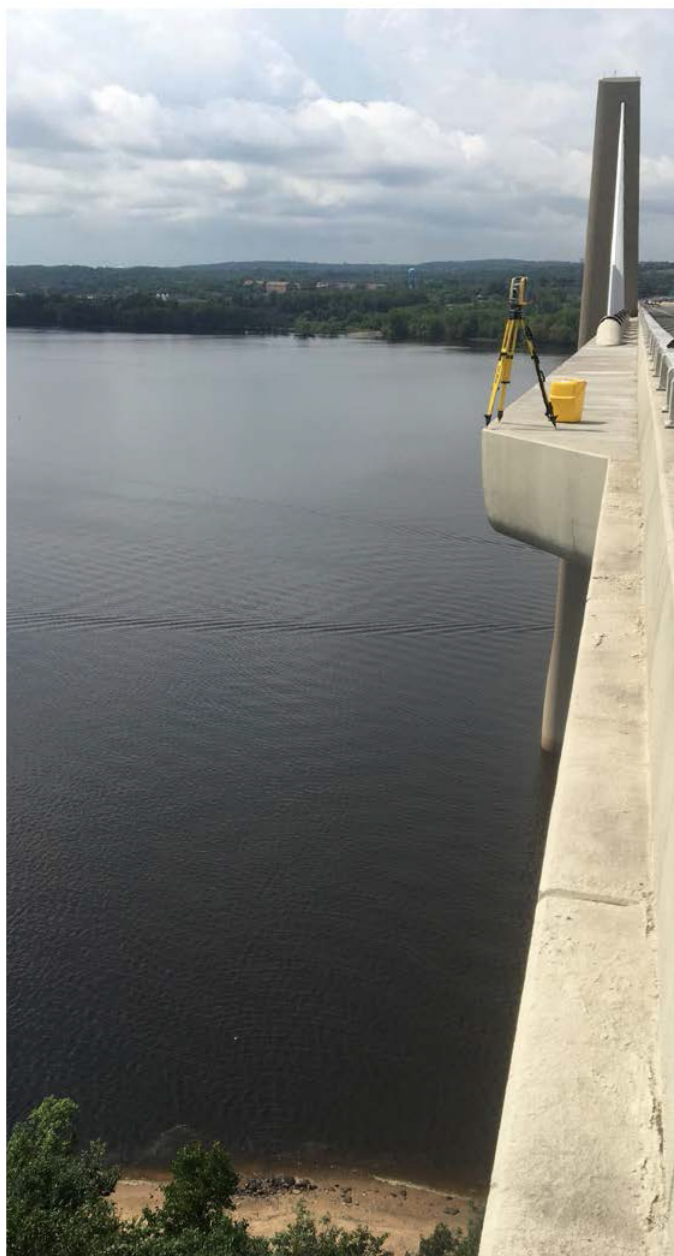


**4. What I Learned in
Switzerland – Rethinking Our Future**

*Rich Leaver, PLS, Owner, Leaver Land Surveying, LLC,
Beaver Dam, Wis.*

2.4 PDHs, Category 1 or 3

Wisconsin surveyor Rich Leaver recently organized a delegation of U.S. surveyors to Switzerland on the first of what he hopes to be a series of fact-finding visits to countries with formal national cadastral systems. Leaver’s goal is to examine such systems and produce materials and recommendations for potential cadastral system reforms for U.S. states.



**Wednesday, January 27
1:30 p.m. – 3:10 p.m.**

**5. The Art of Retracement:
Following in the Footsteps ~ Part I**

*Gary R. Kent, PS, Meridian Land Consulting, LLC
(owner/manager) and Schneider Geomatics (part-time).
Chair of the Joint ALTA/NSPS Committee on the
ALTA/NSPS Land Title Survey Standards, Indianapolis, Ind.*

2.0 PDHs, Category 3

Every professional surveyor across the United States knows the phrase “Follow in the Footsteps” as it relates to conducting a boundary retracement survey. But what does it really mean and what is the basis for following the footsteps? And exactly whose footsteps are we talking about? Surveyors also know the effect of the statute of frauds is that what is written in the conveyancing document is considered by the courts to be the highest and best expression of the parties’ intentions. But what happens when the evidence of the footsteps on the ground conflicts with the written title? What if there are seemingly no footsteps to follow? What then? In this program we will explore the concept of retracement, how it relates to and is dependent on the document of conveyance, and what controls when conflicts are inevitably encountered. When armed with a full understanding of the concept of retracement, surveyors will be much better equipped to help steer their clients (and their affected neighbors) away from the pain and cost of litigation, and towards an amicable solution based on well-placed confidence and understanding of their respective roles and responsibilities.

Continued in Session 9



6. Property Surveys: What You'll Find. What To Do.

Kevin Slottke, PLS, Survey Department Head, The Sigma Group, Milwaukee, Wis.

2.0 PDHs, Category 3

This session will review several boundary surveys, what was encountered and the thought process behind decisions made in the field. These are real world examples of what a surveyor may encounter while retracing a property boundary.

7. NSRS Modernization Updates from the National Geodetic Survey ~ Part 2

Jacob Heck, Ph.D., Great Lakes Regional Geodetic Advisor, National Oceanic and Atmospheric Administration, Ann Arbor, Mich.

2.0 PDHs, Category 1 or 3

NGS is in the process of modernizing the National Spatial Reference System (NSRS). This talk will provide background on reference frames and geopotential datums and give an overview of the products and services that NGS provides to the Surveying community. It will then discuss NGS's efforts to modernize the NSRS including the latest news related to them. The talk will also show what you can do to help NGS improve the new NSRS through activities such as GPS on Benchmarks.

Continued from Session 3

8. Is It Ethical to Be Professional?

Kory Allred, Ph.D., PLS, EI, Parkland Community College, Champaign, Ill.

2.0 PDHs, Category 2

We will discuss what it means to be ethical as a land surveyor as well as court cases related to professional stature and licensure.

Repeated in Session 19



Wednesday, January 27
3:30 p.m. – 4:30 p.m.

9. The Art of Retracement: Following in the Footsteps ~ Part 2

Gary R. Kent, PS, Meridian Land Consulting, LLC (owner/manager) and Schneider Geomatics (part-time) Chair of the Joint ALTA/NSPS Committee on the ALTA/NSPS Land Title Survey Standards, Indianapolis, Ind.

1.2 PDHs, Category 3

Every professional surveyor across the United States knows the phrase "Follow in the Footsteps" as it relates to conducting a boundary retracement survey. But what does it really mean and what is the basis for following the footsteps? And exactly whose footsteps are we talking about? Surveyors also know the effect of the statute of frauds is that what is written in the conveyancing document is considered by the courts to be the highest and best expression of the parties intentions. But what happens when the evidence of the footsteps on the ground conflicts with the written title? What if there are seemingly no footsteps to follow? What then? In this program we will explore the concept of retracement, how it relates to and is dependent on the document of conveyance, and what controls when conflicts are inevitably encountered. When armed with a full understanding of the concept of retracement, surveyors will be much better equipped to help steer their clients (and their affected neighbors) away from the pain and cost of litigation, and towards an amicable solution based on well-placed confidence and understanding of their respective roles and responsibilities.

Continued from Session 5

10. GPS is Not Just a Magic Box!

*Howard Herrild, PLS, Associate Dean, Instructor,
Northeast Wisconsin Technical College, Green Bay, Wis.*

1.2 PDHs, Category 3

This session will cover the basic watch outs and information that needs to be known when working with GPS.

11. Catahoula Lake, Crooks vs The State of Louisiana

*Elizabeth Schleif, PLS, Regional Surveyor, USDA, Forest Service Eastern Region, Milwaukee, Wis. and
Lisa Van Horn, PLS, Past President, National Society of Professional Surveyors, Green Bay, Wis.*

1.2 PDHs, Category 3

A look at the court case and Amicus Brief submitted by NSPS to protect the Public Land Survey System over a cartography map was held over the Original Government survey maps.

12. GNSS Observations on Passive Geodetic Survey Control Stations for 2022 Datum

Mick Heberlein, PLS, PS, CFedS, WisDOT, Office of Surveying and Mapping, Madison, Wis.

1.2 PDHs, Category 3

In July of 2020, NGS announced that passive geodetic survey control stations without recent GNSS observations will receive transformed coordinates rather than calculated coordinates in the 2022 datum. WisDOT built or utilized 9,000 survey stations for the Wisconsin Height Modernization Program and most lack current GNSS observations. This presentation will provide an overview of the GNSS on passive benchmarks program, review WisDOT's plan for observations, review requirements and submittals via OPUS Share and explain the local advantages of obtaining and submitting observations to encourage local surveyors to obtain as many observations as possible before the data submission deadline of December 31, 2021.

Thursday, January 28
8:20 a.m. – 10 a.m.

13. The Last Remaining GLO Evidence Stronghold: A History of the Sylvania Wilderness

*Jordan Ketola, PLS, CFedS, Forest Land Surveyor,
Hiawatha & Ottawa National Forests, Gladstone, MI*

2.0 PDHs, Category 3

The Sylvania Wilderness is part of the Ottawa National Forest in the Upper Peninsula of Michigan and is comprised of 18,000 acres of pristine lakes and virgin timber. We'll explore its rich history related to surveying and otherwise and discuss why it's one of the last remaining places in Michigan where original GLO evidence recovery chances are still fairly good!

14. Railroad Surveying 101 ~ Part 1

*Charlie Tucker, LS, Manager, Denver Railway Services,
Denver, Colo.*

2.0 PDHs, Category 3

The course begins with the "dirty dozen", a list of the 12 most common blunders, poor assumptions and bad guesses that railroad professionals see on an everyday basis coming to them from non-railroad professionals and agencies that kill or delay projects that involve crossing or bordering a railroad. Upon completing this seminar, the surveyor should be much more aware of the issues and requirements to be addressed prior to tackling a railroad-related project. The surveyor should now be more confident that railroad related work and railroad boundary skills can be managed under his area of expertise.

Continued in Session 18 and 22



15. Civil 3D Drafting and Production Workflows: After the Survey

Russ Nicloy, Civil Solution Specialist, Macer Technologies, Waukesha, Wis.

2.0 PDHs, Category 3

In this session we will look at how to use Civil 3D after survey data has been brought in to the project. We will cover the basics of controlling points in the file, surface creation, alignment and profile creation, and parcel creation.

16. Trans 233 Restrictions and Driveways on State Highways: What Surveyors Need to Know When Dealing with WisDOT

Michael Roach, Jr., Statewide Access Engineer, Bureau of Technical Services, Wisconsin Department of Transportation, Madison, Wis. and Stephen Sydow, WisDOT Access Management Specialist, Bureau of Technical Services, Wisconsin Department of Transportation, Madison, Wis.

2.0 PDHs, Category 1 or 3

Surveying lands that abut a state highway means additional laws and regulations come into play. Does this lot have a right to access the highway? Where can they get access? Are there setback restrictions? Can these restrictions be removed? WisDOT has the answers to these questions and more.



Thursday, January 28
10:20 a.m. – Noon

17. Pivoting Your Business Due to Covid: Make Changes Using Financial Analysis and Marketing Avatar Tools

Melissa Meschke, Director, Small Business Development Center, University of Wisconsin-Stevens Point, Stevens Point, Wis. and Mark Speirs, Consultant, Small Business Development Center, University of Wisconsin-Stevens Point, Stevens Point, Wis.

2.0 PDHs, Category 3

Learn how consumers have changed due to the pandemic and how you can adjust. Employ financial analysis models such as cash flow to sort through your numbers and look for areas you can improve and plan for the future.

18. Railroad Surveying 101 ~ Part 2

Charlie Tucker, LS, Manager, Denver Railway Services, Denver, Colo.

2.0 PDHs, Category 3

The course begins with the “dirty dozen,” a list of the 12 most common blunders, poor assumptions and bad guesses that railroad professionals see on an everyday basis coming to them from non-railroad professionals and agencies that kill or delay projects that involve crossing or bordering a railroad. Upon completing this seminar, the surveyor should be much more aware of the issues and requirements to be addressed prior to tackling a railroad-related project. The surveyor should now be more confident that railroad related work and railroad boundary skills can be managed under his area of expertise.

Continued from Session 14.

Continued in Session 22.

19. Is It Ethical to Be Professional?

Kory Allred, Ph.D., PLS, EI, Parkland Community College, Champaign, Ill.

2.0 PDHs, Category 2

Holding a license as a Professional Land Surveyor is truly a privilege and an honor. However, such a distinction also carries with it obligations. One such obligation is to practice professionally and ethically. This seminar will cover professionalism and ethics from a general viewpoint, and from that of a land surveyor. In addition to reviewing and discussing published standards relative to the practice of land surveying in Wisconsin, the seminar will include discussions of various situations involving professional ethics. Wisconsin has submitted to the National Geodetic

Repeated in Session 8

20. Wisconsin's Piece of the State Plane Coordinate System of 2022 (SPCS2022): Practical Aspects of Adoption of New Reference Frames, Datums, and Coordinate Systems

Dan Rodman, PLS, City of Madison Parks Division, Madison, Wis. and Alan Vonderohe, Professor Emeritus of Civil and Environmental Engineering, University of Wisconsin-Madison, Madison, Wis.

2.0 PDHs, Category 1 or 3

Survey requests, proposals, and designs for two 'layers' of map projections to be included in the new State Plane Coordinate System. A statewide single zone, as well as a new set of low-distortion projections (LDPs), similar but not identical to WISCRS, will be described. Practical considerations, from a surveyor's and spatial data manager's perspective, of implementing the new coordinate systems and their underlying new reference frame will be described with examples of potential coordinate differences and alternatives for dealing with them.



Thursday, January 28
2 p.m. – 4 p.m.

21. Title: Covid-19 and the Workplace: Where Have We Been and Where Are We Headed?

*Jonathan R. Edien, J.D., von Briesen & Roper, S.C.,
 Neenah, Wis.*

2.4 PDHs, Category 1 or 3

Most employers have adapted to a new way of operating in light of Covid-19. This program will discuss the main policy changes implemented by employers to keep employees engaged and productive. There will also be a discussion about anticipated policy changes as the country's response to Covid-19 continues to evolve. Likewise, this program will discuss the impact of the Families First Coronavirus Response Act (FFCRA) which is set to expire on December 31, 2020, and the new or anticipated legislation for 2021.



22. Railroad Surveying 101 ~ Part 3

*Charlie Tucker, LS, Manager, Denver Railway Services,
 Denver, Colo.*

2.4 PDHs, Category 3

The course begins with the “dirty dozen”, a list of the 12 most common blunders, poor assumptions and bad guesses that railroad professionals see on an everyday basis coming to them from non-railroad professionals and agencies that kill or delay projects that involve crossing or bordering a railroad. Upon completing this seminar, the surveyor should be much more aware of the issues and requirements to be addressed prior to tackling a railroad-related project. The surveyor should now be more confident that railroad related work and railroad boundary skills can be managed under his area of expertise.

Continued from Sessions 14 and 18.

23. Wisconsin Society of Land Surveyors Annual Meeting

2.4 PDHs, Category 1 or 3

This session is the WSLS Annual Meeting and will include items typically addressed during the Institute Banquet. We will recognize new licensees, Map/Plat contest winners, Trig-Star winners, and the Annual Awards. The Foundation will present scholarships. Per usual, it will include committee and chapter reports and the current President will address the membership concerning the Society's accomplishments. The Tellers Committee will announce the new officers for 2021. The President will pass the gavel to the new President, followed by the new President addressing the membership on their plan for 2021.

24. Drones! What Are They Good For?

Kory Allred, Ph.D., PLS, EI, Parkland Community College, Champaign, IL

2.4 PDHs, Category 1 or 3

This session will focus on court cases involving drones and their operators. We will also discuss tips on passing the Part 107 exam and include a short review of the topics covered in the exam.

25. Principles and Practice of Land Surveying (PLS) Exam Prep ~ Part 1

Howard Herrild, PLS, Associate Dean, Instructor, Northeast Wisconsin Technical College, Green Bay, Wis.

2.4 PDHs, Category 3

This session is for the person who is looking to take the Fundamentals of Land Surveying exam and the Principles and Practices of Land Surveying exam. This land surveying refresher will focus on the things you need to know about the exams, public land survey system, study materials and exam format. With a small focus on the licensing application process.

Continued in Session 30



Friday, January 29
8:20 a.m. – 10 a.m.

26. Practical Applications, Control & Techniques for Using UAS Mapping Systems

JT Holcombe, P.E., The Sigma Group, Inc., Milwaukee, Wis. and Daniel Schwartz, UAS Specialist, P.E., Ruekert & Mielke, Lannon, Wis.

2.0 PDHs, Category 3

Unmanned Aircraft System (drone) technology has become an indispensable data acquisition tool for the modern engineer and surveyor. While many lofty claims have been made regarding the accuracy and efficiency of these systems, this presentation will focus on down to earth techniques to produce reliable data for your team and your clients.

27. Parcel Maps vs. Survey Maps vs GIS Legal Status

Steve Sorenson, J.D., Von Briesen and Roper, S.C., Ripon, Wis.

2.0 PDHs, Category 1 or 3

This program will look at the different uses of different maps. It will identify the impact of the map in the big picture. Most importantly the program will identify what the difference is between a map and a survey both from the legal as well as the practical perspective. A careful look at the conflict that often develops between the tax lister, register of deeds and the surveyor who often see their jobs as the same but which are in fact very different with each having an important role.



28. Endemic Diseases and Outbreaks in Wisconsin

Angelo Kolokithas, Ph.D., Program Director, Biology, Northeast Wisconsin Technical College, Green Bay, Wis.

2.0 PDHs, Category 3

There are many diseases that make Wisconsin their home, while others come from different places. This presentation will cover diseases that are commonly acquired while outdoors, with special focus on diseases carried by ticks and mosquitos. Topics include disease spread, risk factors, signs and symptoms, treatments and prevention.

29. Riparian Boundaries

Kory Allred, Ph.D., PLS, EI, Parkland Community College, Champaign, Ill.

2.0 PDHs, Category 1 or 3

We will review the basics of riparian boundaries as well as discuss several court cases where water boundaries are at issue.

30. Principles and Practice of Land Surveying (PLS) Exam Prep ~ Part 2

Howard Herrild, PLS, Associate Dean, Instructor, Northeast Wisconsin Technical College, Green Bay, Wis.

2.0 PDHs, Category 3

This session is for the person who is looking to take the Fundamentals of Land Surveying exam and the Principles and Practices of Land Surveying exam. This land surveying refresher will focus on the things you need to know about the exams, public land survey system, study materials and exam format. With a small focus on the licensing application process.

Continued from Session 25.



31. Wisconsin County Surveyors Association (WCSA) Annual Membership Meeting

Ryan Duckart, PLS, President, Wisconsin County Land Surveyors Association, Brown County Surveyor, Brown County Planning and Land Services, Green Bay, Wis. and Tom Leslie, PLS, Wisconsin County Land Surveyors Association, De Pere, Wis.

2.0 PDHs, Category 3

This session provides a unique learning opportunity on a wide variety of land surveying topics. While this session serves as the annual membership meeting for the Wisconsin County Surveyors Association, all WSLs members are invited to join in on the discussions and ask questions on the various topics. Representatives from the State Cartographers Office, National Geodetic Survey and the Wisconsin Department of Transportation will be in attendance to deliver reports and answer questions. The "Friend of Wisconsin Land Surveying Award" will be presented along with recognition of WCSA members accomplishments.



32. Recent Court Cases of Interest to Surveyors

Steve Sorenson, J.D., Von Briesen and Roper, S.C., Ripon, Wis.

2.0 PDHs, Category 1 or 3

Overview of all the important and interesting cases from the past year concerning surveying, land use, zoning, boundary disputes, riparian rights and other stimulating topics that will have you on the edge of your seat. From the float bog case to the eroding shoreline this program will take a look at how courts are interpreting the role of surveyors and the laws we are asked to follow. A special part of the program will be the regular stump the presenter segment where participants will be allowed to recite their own fact situation and we will look at how the current case law would interpret those facts.

33. COVID in the New Year: The Science Behind the Pandemic

Angelo Kolokithas, Ph.D., Program Director, Biology, Northeast Wisconsin Technical College, Green Bay, Wis.

2.0 PDHs, Category 3

The United States and the World are faced with a Pandemic, the likes we haven't seen in over 100 years. From politics to social media, there is much misinformation spread to the public. This presentation will separate facts from fiction, and present the real science behind the virus. Topics include viral spread, disease, epidemiology, medicine, and future outlook.

34. Code of Ethics and Discrimination and Harassment Prevention Training

Robin Waier, Senior Professional in Human Resources (SPHR), Human Resources Generalist, raSmith, Brookfield, Wis.

2.0 PDHs, Category 2

This presentation discusses the basics of professional ethics, with examples specific to the Survey industry, in addition to the importance, both legally and morally, of preventing discrimination and harassment in the workplace.

35. Financial Planning for the Young Surveyor

Howard Herrild, PLS, Associate Dean, Instructor, Northeast Wisconsin Technical College, Green Bay, Wis. and Kerri Herrild, Business Teacher, De Pere High School, De Pere, Wis.

2.0 PDHs, Category 3

This session will highlight important financial decisions that need to be made by young professionals. Topics will include retirement savings, importance of insurance, and budgeting to meet financial and personal goals



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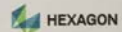
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