

Salina Seminar Series

January 11-13, 2018

Featuring: Railroad Surveying 101



Webster Conference Center
2601 N. Ohio, Salina, Kansas

 The Salina Chapter of the
Kansas Society of Land Surveyors



www.salinaseminarseries.org

Cover Picture: Deadwood Central Railroad Surveyors (Dakota Territory) 1888, by John C. H. Grabill, Photographer

Schedule

Thursday, January 11

	Start Time	End Time	Page
Exam Prep I	10:00 a.m.	12:00 p.m.	24
Check In (Box Lunches Available for Pre-Purchase)			
Exam Prep II	1:00 p.m.	5:00 p.m.	24
NFIP	1:00 p.m.	5:00 p.m.	20
UAS with Flight Demo	1:00 p.m.	5:00 p.m.	8
The Unknown Point	1:00 p.m.	3:00 p.m.	12
Field to Finish	1:00 p.m.	3:00 p.m.	16
PLSS Basics	1:00 p.m.	3:00 p.m.	4
GLO/1855	1:00 p.m.	3:00 p.m.	17
Modernizing the NSRS	3:00 p.m.	5:00 p.m.	21
Minimum Standards	3:00 p.m.	5:00 p.m.	5
Geographic Center of the US	3:00 p.m.	5:00 p.m.	18
Determining Your Future Position	3:00 p.m.	5:00 p.m.	13
KSLs CHARITABLE FOUNDATION MEETING: 5:00 P.M.			
KSLs BOARD DINNER: 6:00 P.M.			
KSLs BOARD MEETING: 6:45 P.M.			

Saturday, January 13

	Start Time	End Time	Page
Breakfast	7:00 a.m.	8:00 a.m.	
Exit Strategy	8:00 a.m.	12:00 p.m.	15
OPUS Project Manager Training*	8:00 a.m.	12:00 p.m.	23
Math II	8:00 a.m.	12:00 p.m.	25
The Science...Art of Communication	8:00 a.m.	12:00 a.m.	7
Title Insurance	8:00 a.m.	10:00 a.m.	9
GLO/1855	8:00 a.m.	10:00 a.m.	17
Easements	10:00 a.m.	12:00 p.m.	10
Harvey's Instructions	10:00 a.m.	12:00 p.m.	19

Friday, January 12


	Start Time	End Time	Page
Check in - Breakfast	7:00 a.m.	8:00 a.m.	
Railroad Surveying 101	8:00 a.m.	5:30 p.m.	3
OPUS Project Manager Training*	8:00 a.m.	5:30 p.m.	23
First Aid/Safety/CPR (Limit 20)	8:00 a.m.	3:30 p.m.	11
State Specific Exam	8:00 a.m.	10:00 a.m.	6
Harvey's Instructions	8:00 a.m.	10:00 a.m.	19
Field to Finish	8:00 a.m.	10:00 a.m.	16
PLSS Basics	10:00 a.m.	12:00 p.m.	4
Geographic Center of the US	10:00 a.m.	12:00 p.m.	18
Trimble Emerging Technology Showcase	10:00 a.m.	12:00 p.m.	22
Lunch	12:00 p.m.	1:30 p.m.	
Math I (Pizza at 5:30)	1:30 p.m.	7:30 p.m.	23
The Science...Art of Communication	1:30 p.m.	5:30 p.m.	7
Three Dimensions	1:30 p.m.	5:30 p.m.	14
Title Insurance	1:30 p.m.	3:30 p.m.	9
Easements	3:30 p.m.	5:30 p.m.	10
Minimum Standards	3:30 p.m.	5:30 p.m.	5

The Deadline to RSVP for the
BOARD DINNER AND BOX LUNCHES
is December 27, 2017.

OPUS Registration Deadline
January 2, 2018

EARLY-BIRD RATES END AT MIDNIGHT ON
DECEMBER 7, 2017

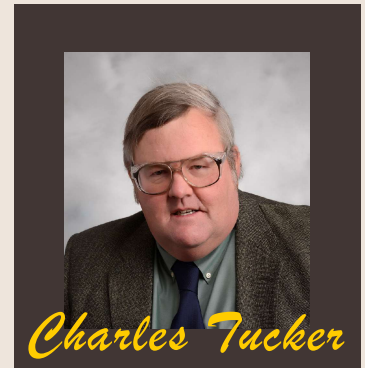
*OPUS requires attendance on both Friday and Saturday. Class size is limited.

 Indicates the # of hours that have been preapproved by the ASFPM

Featuring

Railroad Surveying 101

Charles Tucker has been a surveyor, field engineer, office engineer and roadmaster at La Junta, Colorado, for the Santa Fe Railway (now BNSF). During his 15 years with the Santa Fe, Charlie worked extensively with the survey community in CO, NM, KS, OK, TX and CA, on a variety of unique and interesting projects. He participated in the construction of new lines, enlargement of tunnels, construction and oversight of public works projects. Since joining Benchmark Surveying/Farnsworth Group in 1996, Charles has worked extensively with the railroad industry, state agencies and as a railroad expert for other consultants. He is a 1980 graduate of the Ohio State University, with a BS in Surveying. Charlie is a member of NSPS, GLIS/ACSM, PLSC & AREMA.



AREMA[®] Developed by the American Railway Engineering and Maintenance-of-Way Association and presented by Charlie Tucker, Farnsworth Group. This course has shown that typical participants benefiting the most from this course are those with limited exposure to the railway industry, or railroaders with highly specialized positions. For example, a surveyor-engineer well versed in highway/street design but with some exposure to railway boundaries would gain valuable knowledge about track, railroad cadastre, railroad terminology, theory and railway operations typically unfamiliar to those outside the industry.

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 can be managed under his area of expertise.

Charlie will be joined by James Goff, BNSF, and other representatives of regional railroads, Operation Lifesaver, KDOT, KCC, and Rails to Trails.



Friday, January 12, 2018

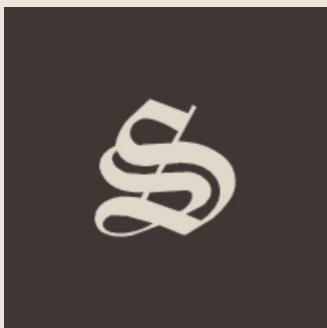
8:00 a.m. - 5:30 p.m.

PLSS Basics

Steven S. Brosemer, PS, has a degree in History and Secondary Education. He is the son of his mentor, the late James H. Brosemer, RLS #82. In the last 33 years, Steve has been an owner or partner in his current business, GeoTech, Inc., and has provided land surveying services of every possible type to both the private and public sectors. Steve served as President of KSLs in 1988 and 1989, and is currently a member of the KSLs Charitable Foundation Board, and the Chair of KSBTP. Steve is a former Chair of the Emporia Area Chamber of Commerce and is a Trustee of the Lyon County Historical Society.



The class will cover areas subdivided under the 1855 Manual of Instructions. The attendee should gain an understanding of the basic principles of the subdivisions done by the General Land Office, from wide open unmarked prairie to the familiar one mile “squares”. This class is not necessarily for the advanced attendee..



Thursday, January 11, 2018

1:00 - 3:00 p.m., or

Friday, January 12, 2018

10:00 a.m. - 12:00 p.m.

Minimum Standards

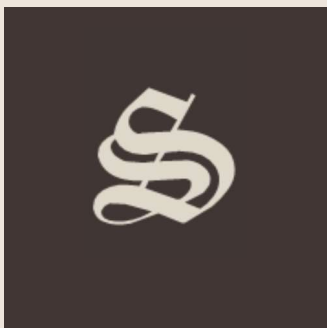
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The New Minimum Standards for Boundary Surveys:

The class will discuss the proposed or adopted standards by the Kansas State Board of Technical Professions.

Not a comparison but rather a fresh look at what the new Standards say and mean, including practical applications of the Standards.



Thursday, January 11, 2018

3:00 - 5:00 p.m., or

Friday, January 12, 2018

3:30 - 5:30 p.m.

State Specific Exam

Steve S. Brosemer, PS, has a degree in History and Secondary Education. He is the son of his mentor, the late James H. Brosemer, RLS #82. In the last 33 years, Steve has been an owner or partner in his current business, GeoTech, Inc., and has provided land surveying services of every possible type to both the private and public sectors. Steve served as President of KSLs in 1988 and 1989, and is currently a member of the KSLs Charitable Foundation Board, and the Chair of KSBTP. Steve is a former Chair of the Emporia Area Chamber of Commerce and is a Trustee of the Lyon County Historical Society.



The Kansas State Specific Exam is required for all surveyors seeking licensure in Kansas. Both Part 1 and Part 2 of the State Specific exam will be discussed. The class is aimed at those that are not currently licensed and for those that are already licensed in other states. Exam taking strategies will also be a part of the class.



Friday, January 12, 2018

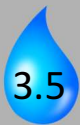
8:00 - 10:00 a.m.

The Science...Art of Communication

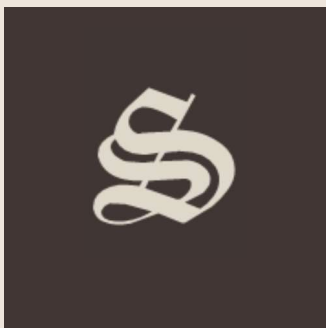
Danny Cahill, PS, is an Oklahoma Land Surveyor with 38 years of experience. In 1979, his father and mentor began *Cahill Land Surveying*, laying out for Danny his future profession. In 2009, Danny appeared on Season 8 of NBC's hit reality show *The Biggest Loser*, losing 239 pounds in 6 ½ months to set records and win the show. Since the show, he has become a highly sought after speaker, and has spoken for over 250 companies, organizations and churches in 40 states and 8 countries worldwide. Danny returned to his profession of Land Surveying in 2015, bringing with him a speaking, presenting and experiential training background. He has been married to Darci Cahill for 22 years, and has two children, David (18) and Mary Claire (16).



Communication is an art...AND a science! In Danny's presentation, the listener will become aware of the intricacies of communication in their professions, business, relationships. This fun class will allow the attendee to become aware of how they are communicating to clients, employees, and the public. They will also become aware of what they are actually saying, and see the "science" behind the communication styles of themselves and others, allowing a more effective perspective of interactions. Are you communicating effectively? Take this class and find out!



Logo: By Source, Fair use, <https://en.wikipedia.org/w/index.php?curid=35589537>



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1:30 - 5:30 p.m., or

Saturday, January 13, 2018

8:00 a.m. - 12:00 p.m.

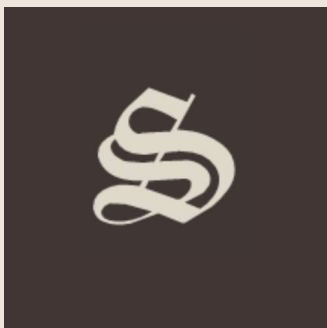
UAS Precision Surveying and Infrastructure Inspection

Retired Colonel Kurt J. Carraway, served 25 years with the United States Air Force, most recently as the commander of the Global Hawk UAS squadron, stationed in Camp Smith in Oahu, Hawaii, establishing standard operation procedures and composing technical manuals for the military's use of the Global Hawk. He is now K-State Polytechnic's Unmanned Aircraft Systems (UAS) Executive Director. In this capacity, Carraway provides strategic leadership in advancing KSU's UAS program goals. He directs research activities involving UAS through the Applied Aviation Research Center (AARC), directs Flight Operations staff, manages UAS professionals that perform hundreds of UAS flights per year in civil airspace, sets policies and procedures for unmanned flight operations, and serves as Principal Investigator (PI) on UAS activities through the AARC and is the University PI representative to ASSURE, the FAA's UAS Center of Excellence. Carraway is a Professor, an instructor and mentor to students. Carraway holds a BS degree in Mechanical Engineering, a MS in Systems Engineering, and a MA in Management.



This class will include a 2 to 3 hour discussion including the latest on the FAA regulatory considerations for commercial use of Unmanned Aircraft Systems (UAS) as well as some basic safety considerations for UAS operations. We will also discuss applications using UAS for surveying. Weather permitting, we will conduct a 1-hour flight demonstration of a UAS conducting a surveying mission.

Kurt will be assisted by: **Travis Balthazor**, a K-State Salina alumnus, joined the unmanned aircraft systems program in 2014 as a UAS pilot for the Applied Aviation Research Center. He is currently the Flight Operations Manager. Previously, Balthazor was an advanced flight instructor for the university and worked on projects in the UAS lab during his free time. Balthazor grew up on a farm near Palco, Kansas, and always had an interest in aviation. At K-State Salina, he earned several flight ratings including commercial instrument multi-engine airplane and certified flight instructor instrument airplane. As a flight instructor, he trained, soloed and endorsed students for check rides. Balthazor holds a BS degree in airway science - professional pilot, as well as a minor in aviation safety, and an unmanned aircraft systems certificate.



Thursday, January 11, 2018

1:00 - 5:00 p.m.

Title Insurance

David Coffelt is the owner of Coffelt Land Title, Inc., which has five offices, including one in Overland Park, KS. He has a degree in Agricultural Economics. Dave is a long-time member of the ALTA and has served the Missouri Land Title Association as its Past President, Past Board of Directors member, and chair of various committees. He was recognized in 1980 as Young Title Person of the Year -- the first person to receive this honor from the association. Dave is a Missouri Land Title Institute Instructor, and he tours the nation presenting title classes to attorneys, title associations, real estate professionals, and now to land surveyors



Ever wonder just what it is that title people do? This portion of the seminar will attempt to answer this profound question, and the many others that you may have about the title industry. Learn about the services available at your local title company that can actually make your work a little easier. Let's talk about ALTA surveys, and how to foster better communication between surveyors and title company personnel. This presentation promises to be enlightening and interesting, as well as offering you plenty of opportunity to discuss current issues in the industry as it relates to title.



Friday, January 12, 2018

1:30 - 3:30 p.m., or

Saturday, January 13, 2018

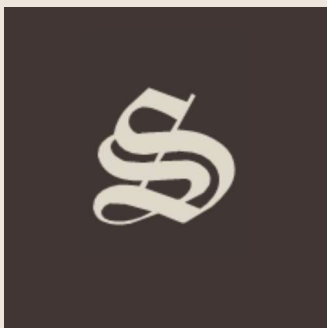
8:00 - 10:00 a.m.

Easements

David Coffelt is the owner of Coffelt Land Title, Inc., which has five offices, including one in Overland Park, KS. He has a degree in Agricultural Economics. Dave is a long-time member of the ALTA and has served the Missouri Land Title Association as its Past President, Past Board of Directors member, and chair of various committees. He was recognized in 1980 as Young Title Person of the Year -- the first person to receive this honor from the association. Dave is a Missouri Land Title Institute Instructor, and he tours the nation presenting title classes to attorneys, title associations, real estate professionals, and now to land surveyors



In this session we will discuss the various means of creating easements, including: Implication, Prescription, Necessity, Written Grant or Reservation, Condemnation, and Certified Survey Map or Plat. Also discussed will be methods of discontinuance of public rights-of-way and vacation of easements. We will then examine the effect of easements in relation to the issuance of title insurance policies. Specific topics include: Types of Easements; Easement Purposes; Insuring Easements; Termination of Easement Rights Specific Title Exceptions; Endorsements; and Easements for Encroachments.



Friday, January 12, 2018

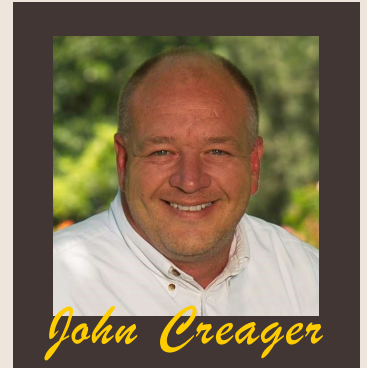
3:30 - 5:30 p.m., or

Saturday, January 13, 2018

10:00 a.m. - 12:00 p.m.

First Aid/Safety/CPR

John Creager is the owner of Safety Training Solutions, LLC, which offers courses in CPR, Basic First Aid, Fire Safety, Extinguisher Training, Industrial Safety, and Bloodborne Pathogens Training. John has extensive personal experience in dealing with emergencies. He has been a Safety Courses instructor, a Certified Firefighter, an EMT, and Paramedic.



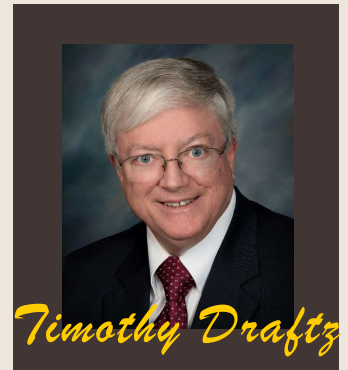
Limit 20. This program is designed for individuals in the community that want a basic knowledge of first aid, CPR skills and instruction on the use of an *Automated External Defibrillator (AED)*. This program will help employers meet OSHA and other federal and state regulatory requirements for training employees how to respond and care for medical emergencies at work. In addition we will be covering safe roadway and roadside practices. Participants will receive a certification card from the instructor.



Friday, January 12, 2018
8:00 a.m. - 3:30 p.m.

The Unknown Point

Timothy Draftz is a highly-experienced C-Level executive with over thirty-five years of experience in finance, operations, business development, strategic planning, and information technology in a variety of industries with large corporations as well as small businesses. Currently he is a Partner in the largest CFO firm in North America, B2B CFO. Timothy serves as a key business partner to the business owner/CEO providing both financial and business expertise. One of his key abilities is clearly explaining the connection between a company's operations and its financial performance. Timothy received his MBA in International Business from the University of Nebraska at Lincoln in 2015. He earned his BSBA in Accounting and Finance from Creighton University in 1979. Timothy was one of the earliest Certified Management Accountants to have earned this designation from the Institute of Management Accountants in 1982 (#3739). He holds the designation of Certified Business Transition Expert.



The Unknown Point: After Purchasing a Firm, Finding the Angles of Success or Failure -- what to do after buying a business.

“So, why did we buy this company?” This presentation will cover: the most common and preventable reasons that a purchased company fails and creating a strategic plan for “after the acquisition” with emphasis on the critical factors for success.

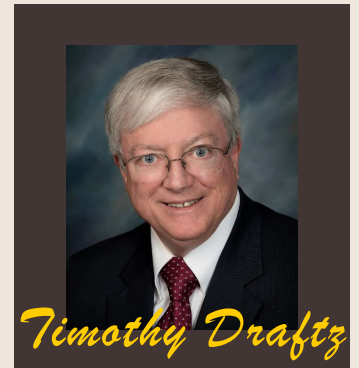


Thursday, January 11, 2018

1:00 - 3:00 p.m.

Determining Your Future Position

Timothy Draftz is a highly-experienced C-Level executive with over thirty-five years of experience in finance, operations, business development, strategic planning, and information technology in a variety of industries with large corporations as well as small businesses. Currently he is a Partner in the largest CFO firm in North America, B2B CFO. Timothy serves as a key business partner to the business owner/CEO providing both financial and business expertise. One of his key abilities is clearly explaining the connection between a company's operations and its financial performance. Timothy received his MBA in International Business from the University of Nebraska at Lincoln in 2015. He earned his BSBA in Accounting and Finance from Creighton University in 1979. Timothy was one of the earliest Certified Management Accountants to have earned this designation from the Institute of Management Accountants in 1982 (#3739). He holds the designation of Certified Business Transition Expert.



Determining Your Financial Position: Financials for Non-Financial Executives -- proper use of the three most common financial statements.

Why a Balance Sheet, Income Statement, and Cash Flow? Understand the inter-relationship of the three most common financial statements. Your financial statements contain vital metrics and drivers to improve your firm, understand what they are and how to interpret them.

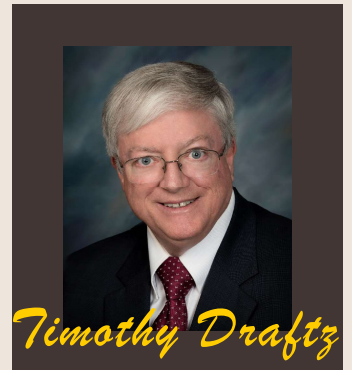


Thursday, January 11, 2018

3:00 - 5:00 p.m.

The Exit Strategy

Timothy Draftz is a highly-experienced C-Level executive with over thirty-five years of experience in finance, operations, business development, strategic planning, and information technology in a variety of industries with large corporations as well as small businesses. Currently he is a Partner in the largest CFO firm in North America, B2B CFO. Timothy serves as a key business partner to the business owner/CEO providing both financial and business expertise. One of his key abilities is clearly explaining the connection between a company's operations and its financial performance. Timothy received his MBA in International Business from the University of Nebraska at Lincoln in 2015. He earned his BSBA in Accounting and Finance from Creighton University in 1979. Timothy was one of the earliest Certified Management Accountants to have earned this designation from the Institute of Management Accountants in 1982 (#3739). He holds the designation of Certified Business Transition Expert.



The Exit Strategy: How a Business Owner Can Successfully Leave Their Business -- how to exit a business while meeting the goals of the business owner.

Based on the award-winning book, *The Exit Strategy Handbook*, by Jerry Mills. This presentation will cover the tools, teams, and processes necessary to successfully sell your business. We will examine exit options and types of potential buyer. Who should be on your exit strategy team, their roles and responsibilities. How a buyer's market and a seller's market can affect value. Determining the realistic value of your business and then how to increase the value of your business. Preparing for your last customer, the buyer. How to create a Data Room. What does Due Diligence involve and its potential impact on valuation. Even if you are not contemplating selling your company in the near future, you should always begin with the end in mind.

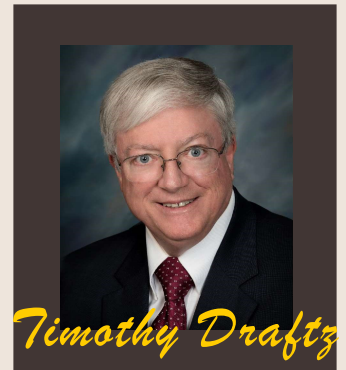


Saturday, January 13, 2018

8:00 a.m. - 12:00 p.m

Three Dimensions of Financial Success

Timothy Draftz is a highly-experienced C-Level executive with over thirty-five years of experience in finance, operations, business development, strategic planning, and information technology in a variety of industries with large corporations as well as small businesses. Currently he is a Partner in the largest CFO firm in North America, B2B CFO. Timothy serves as a key business partner to the business owner/CEO providing both financial and business expertise. One of his key abilities is clearly explaining the connection between a company's operations and its financial performance. Timothy received his MBA in International Business from the University of Nebraska at Lincoln in 2015. He earned his BSBA in Accounting and Finance from Creighton University in 1979. Timothy was one of the earliest Certified Management Accountants to have earned this designation from the Institute of Management Accountants in 1982 (#3739). He holds the designation of Certified Business Transition Expert.



Three Dimensions of Financial Success: Cash, Profitability, and Value Creation -- success factors of running a business.

There is a distinct difference between cash, profitability, and value. Understand the importance of these three measures to your company's financial success. After a summary review of the basics of previous course, Determining Your Financial Position, we do an in-depth dive into strategies to drive cash flow, profitability, and value creation. Determine how to use the vital metrics and drivers contained within your financial statements to create courses of action for sustainable improvements.



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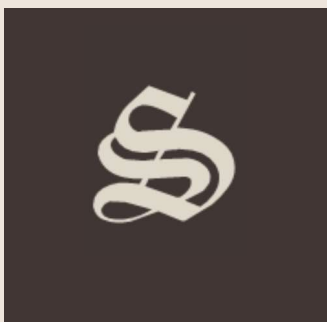
1:30 - 5:30 p.m.

Data Collection: Field to Finish

Ladd Nelson joined Carlson Software in 2007 and is the Director of Midwest Sales. His technical experience covers product development and design, sales, technical support, and product implementation and training. Ladd's interest in computers and his Civil Engineering degree from the University of Wisconsin-Platteville, gave him the opportunity to pursue a career in software development for land surveyors and civil engineers. He has been providing his clients with technical support and on-site training for over 25 years. Ladd's background includes land surveying experience. He has previously been an Officer and Board member for the IntelliCAD Technology Consortium, and currently serves on the Board of the Open Design Alliance. In his spare time, Ladd is involved in charitable fund-raising efforts, is an avid home brewer, and enjoys boating on the Mississippi with his wife and two children.



True Field to Finish is one of the most powerful tools for a Land Surveyor to use to reduce the office time required to produce a finished product, but it remains one of the most underutilized. This session will cover the complete field to finish process, including pre-collection office and field setup, field collection, and office processing. We will use Carlson SurvPC and Carlson Survey to demonstrate the complete solution.



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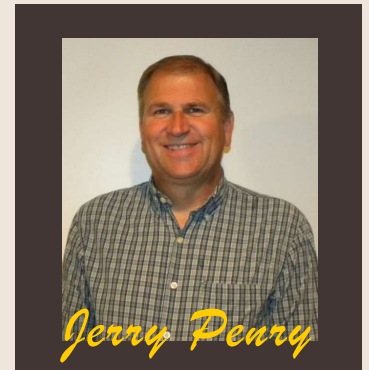
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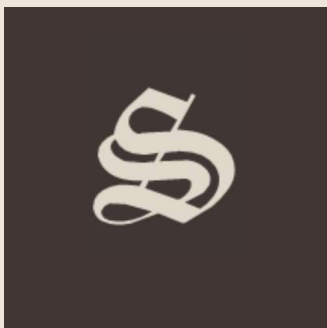
8:00 - 10:00 a.m.

GLO/1855 Instructions

Jerry Penry, PLS, is a licensed land surveyor in Nebraska and South Dakota with over 30 years of experience, and a degree in land surveying. Jerry's keen interest in history and research led him to write several books on the topic of land surveying, World War II, and railroads, and he has had nearly forty articles published in professional surveying magazines. Over the past ten years, he has been a featured speaker for conferences, historical societies, and commemorative historical events. For the past three years, Jerry has developed working seminars where surveyors obtain "hands-on" experience in the field. Jerry is employed at Lancaster County Engineering in Lincoln, Nebraska, where he manages the surveying department. He and his wife, Jenny, live in Lincoln, Nebraska.



This class will be a detailed examination of the 1855 Manual of Instructions to the Surveyor General of the Public Lands of the United States. Since both Kansas and Nebraska began their surveys under this manual, it is important for modern surveyors, particularly in the eastern portions of these states, to correctly know how to follow the footsteps of early surveyors when retracing their work. Changes occurring in subsequent manuals will also be discussed and how the modern surveyor needs to correctly understand the rules that were in place depending upon the area that was surveyed.



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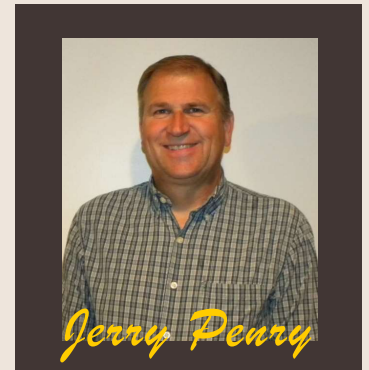
1:00 - 3:00 p.m., or

Saturday, January 13, 2018

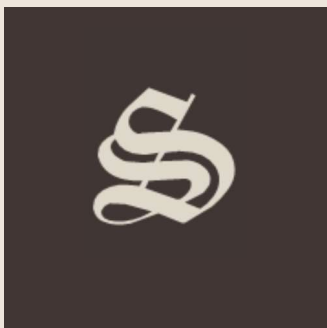
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Geographic Center of the US

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As early as the 1850's, people have been attempting to define the location of the Geographical Center of the United States. Several locations in Kansas became early sites for the center which was bolstered by findings from two government agencies. The admission of Alaska and Hawaii as states complicated the issue for Kansas when tourism and bragging rights were at stake. The debate continues with the use of trademarked phrases and legal precedents. Some have also mistaken the Geodetic Center of North America at "Meades Ranch", Kansas as being at the Geographical Center location. This is a historical look at how different towns have each claimed to be at the center point and the role that surveyors have played in determining some of them.



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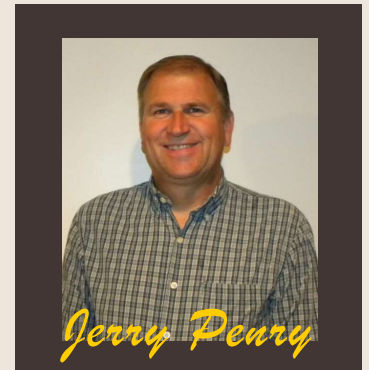
3:00 - 5:00 p.m., or

Friday, January 12, 2018

10:00 a.m. - 12:00 p.m.

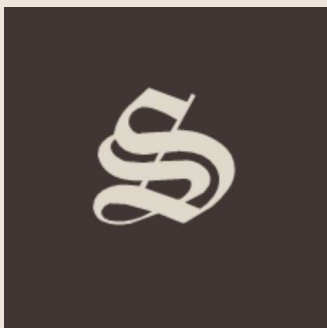
Robert Harvey's Instructions

Jerry Penry, PLS, is a licensed land surveyor in Nebraska and South Dakota with over 30 years of experience, and a degree in land surveying. Jerry's keen interest in history and research led him to write several books on the topic of land surveying, World War II, and railroads, and he has had nearly forty articles published in professional surveying magazines. Over the past ten years, he has been a featured speaker for conferences, historical societies, and commemorative historical events. For the past three years, Jerry has developed working seminars where surveyors obtain "hands-on" experience in the field. Jerry is employed at Lancaster County Engineering in Lincoln, Nebraska, where he manages the surveying department. He and his wife, Jenny, live in Lincoln, Nebraska.



In 1902, due to the prevalence of land disputes and litigation, the State of Nebraska appointed the state surveyor, Robert Harvey, to oversee and settle these cases. Harvey uncovered a systematic method used in many cases by fraudulent deputy surveyors, in which monuments were established, but in locations where most retracing surveyors would not find them. Harvey published a circular of instructions detailing how to find the original pits and mound monuments and how to correctly retrace the GLO surveyor's work which he defined, the "Short-Cut Method". This circular quickly gained national attention. It was sought by surveyors and engineers, lawyers and judges, land owners and universities, and by the GLO in Washington, D.C. One hundred years have passed since Harvey published his revised and expanded edition of his circular of instructions in 1914. Robert Harvey's method of researching and finding lost section corners as described in his publication remains the same today despite a century of advances in technology.

Note: Those who pre-register for (and attend) this class will receive a free copy of Harvey's book, complements of the Salina Seminar Series. Additional copies will be available for purchase in class.



Friday, January 12, 2018
8:00 - 10:00 a.m., or

Saturday, January 13, 2018
10:00 a.m. - 12:00 p.m.

NFIP

Steve Samuelson, CFM, has been the National Flood Insurance Program Specialist at Kansas Department of Agriculture/Division of Water Resources since 2007. From 2005 to 2007 Steve worked for Lyon County as the Zoning Administrator and Floodplain Manager. Steve graduated from Emporia State University in 1982, and is a Certified Floodplain Manager and the Region VII Director for the Association of State Floodplain Managers.



This session will provide an overview of many of the main topics related to the National Flood Insurance Program. It is a basic level beginner course in floodplain management. A good background for surveyors who complete elevation certificates and other Federal Emergency Management Agency forms to have. This is a very basic level course for those without much subject knowledge that uses props and toys to demonstrate concepts of floodplain management. Class is based on the Quick Guide booklet that can be found on the website for the Kansas Department of Agriculture/Division of Water Resources. Topics will include flood insurance, anchoring, mobile homes, floodplain mapping, compliance, variances and risk communication.

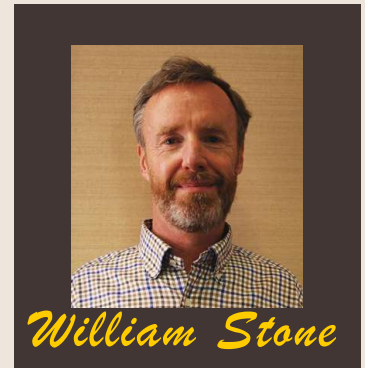


Thursday, January 11, 2018

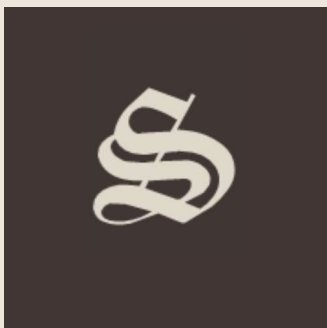
1:00 - 5:00 p.m.

Modernizing the National Spatial Reference System

William Stone is the NOAA/National Geodetic Survey's (NGS) Southwest Region Geodetic Advisor. He assists the geospatial community throughout Arizona, New Mexico and Utah—including public- and private-sector surveyors, GIS professionals, engineers, and earth scientists—with proper application of the National Spatial Reference System. Stone has been with NGS since 1989, and he previously worked for the Department of the Navy and the Defense Mapping Agency. He has a BA in Physics from Bowdoin College and an MS in Physical Oceanography from the Scripps Institution of Oceanography. He lives in Santa Fe, NM.



Preparations are underway at NOAA's National Geodetic Survey (NGS) for a comprehensive modernization of the National Spatial Reference System (NSRS), to be completed in 2022 and delivered through a new generation of horizontal and vertical reference frames/datum, featuring unprecedented accuracy and access efficiency. This presentation will outline the current status and planned evolution of NSRS, including the definition and delivery of new geometric reference frames to replace the North American Datum of 1983 (NAD83), and a new vertical/geopotential datum, based on a national gravimetric geoid (derived from the ongoing Gravity for the Redefinition of the American Vertical Datum (GRAV-D) project) and replacing the North American Vertical Datum of 1988 (NAVD88). The conditions necessitating these new reference frames/datum and recommendations for the eventual user transition to them will be reviewed. Audience questions and discussion will be welcome.



Thursday, January 11, 2018

3:00 - 5:00 p.m

Trimble Emerging Technology Showcase

Steve Tomps is the Strategic Account Manager for Seiler Instrument, and is based in our Kansas City Office. Over the last 2 decades Steve has worked closely with industry professionals throughout the Midwest helping them leverage cutting edge technology to increase productivity and profitability. Steve has extensive experience working in the Surveying, Mapping, GIS and Energy sectors. Throughout his time at Seiler, he has been responsible for sales, training and technical support.



Trimble Emerging Technology Showcase and Trimble Software Tips and Tricks

During this two hour class participants will learn about a number of cutting edge surveying solutions, and how to leverage the technology to their advantage. Participants will also get a chance to explore several lesser known workflows in Trimble Access, and Trimble Business Center.

Steve will be joined by:

Jason Taylor is a terrestrial scanning expert and geospatial sales professional for Seiler Instrument, and is based in their Kansas City Office. Previously, Jason worked for Wilson & Company's Survey Geospatial and Remote Sensing Division. He has over 15 years of surveying experience, including over 8 years of experience with a variety of laser scanning applications. Jason has completed a wide range of 3D laser scanning projects including geotechnical hazard analysis, dam deformation studies, and dozens of bridge surveys. Jason is our Western Indoor Mobile Mapping Sales Professional for our TIMMs cart mobile mapping system, and also for our GeoSLAM product line. He works closely with clients in many industries, helping them use 3D laser scanning to increase productivity.

Scott Howe is a Geospatial Technical Support and Training Specialist for Seiler Instrument living in Belton Missouri. He is a 20 year Marine Corps veteran whose specialty was Drafting and Surveying. Scott has a BS degree from Park University in Engineer Administration and Management and is a Trimble Certified Trainer.



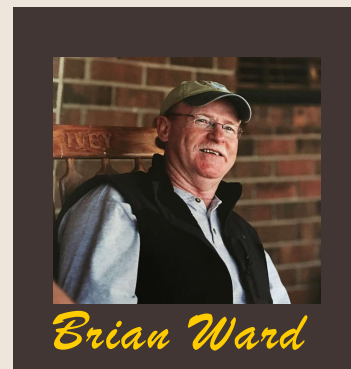
Friday, January 12, 2018

10:00 a.m. - 12:00 p.m.

OPUS Project Manager Training

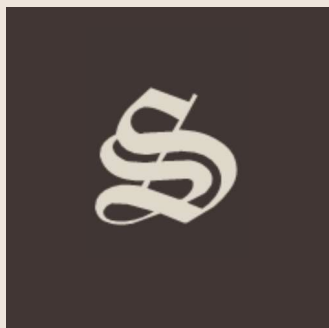
Brian Ward has worked for the National Geodetic Survey (NGS) for 29 years, sixteen of those in the field conducting Geodetic Surveys. The past twelve years he has been the Arkansas Geodetic Advisor. He is currently the Central Plains Regional Advisor. Brian assists the Federal, State, and private sectors with any products and services NGS provides.

Brian will be assisted by William Stone, also with the NGS. See his bio on page 20.



Limit 30. By attending this workshop, you should have enough information to successfully use OPUS Projects for your own geodetic network projects. The training is one and a half days and you must attend the entire workshop to become a project manager for OPUS Projects. Once the training is completed, you will be given an opportunity to register your email address thereby authorizing you to create and process your own projects through OPUS Projects. Although not required, familiarity with typical GNSS surveying practices and NGS's OPUS is helpful. Also helpful is the ability to access your email during training because OPUS Projects uses email as one means to communicate with you.

NOTE: You must attend all twelve hours and bring a wi-fi enabled laptop with you to the class. **Deadline to register for this class: January 2, 2018.** There is an enrollment limit of 30 in this class, so please register early to reserve your spot.



Friday, January 12, 2018
8:00 a.m. - 5:30 p.m., and
Saturday, January 13, 2018
8:00 a.m. - 12:00 p.m.

Exam Prep I & II

Rod Zinn, PS, has a BS degree in Vocational Technical Education from Pittsburg State. He was a full time instructor for more than ten years in the Civil Engineering Technology program at Washburn Tech. Rod also served in the past as: lead advisor in SkillsUSA program; the Board President of the Kansas Industrial Education Association; and as a former Board President of Kansas SkillsUSA Advisors Association. In 2005, Mr. Zinn entered the private sector as a full time land surveyor and served as the survey department manager for two previous firms. Currently, Rod is a managing member and partner with Cornerstone Regional Surveying, LLC.



Preparation is the key to all success. In these two classes, we will cover and discuss the process and many resources to utilize, in order to become licensed as a professional surveyor in the State of Kansas. Resources are great, but the course will also focus on the study habits and test taking strategies needed to be successful on the exams. Areas of coverage will be: legal principles, professional survey practices, standards and specifications, business/professional practices and types of surveys. Several sub-topics shall be discussed from those areas that were listed prior. (Part I class is restricted to non-licensed attendees only.)



Thursday, January 11, 2018

10:00 a.m. - 5:00 p.m

Math I & II

Rod Zinn, PS, has a BS degree in Vocational Technical Education from Pittsburg State. He was a full time instructor for more than ten years in the Civil Engineering Technology program at Washburn Tech. Rod also served in the past as: lead advisor in SkillsUSA program; the Board President of the Kansas Industrial Education Association; and as a former Board President of Kansas SkillsUSA Advisors Association. In 2005, Mr. Zinn entered the private sector as a full time land surveyor and served as the survey department manager for two previous firms. Currently, Rod is a managing member and partner with Cornerstone Regional Surveying, LLC.

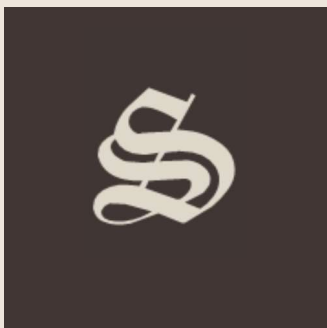


This year's "survey math" course will be divided into two separate programs, with an extended class time to work on coordinate geometry and single and double proportioning in a subdivision and GLO. All three courses are very essential to success on the test(s) and in your everyday survey profession. **(Bring your calculator!)** "Math I" will shake the cob webs out of your brain and help you re-establish those lost math skills and formulas. This course will begin with elementary math problems, taking you through some algebra and geometry and finishing by taking you into preliminary problems and calculations, through the use of coordinate geometry.

"Math II" will delve further into the oblique trigonometry giving you easier formulas for a greater understanding of the processes and solutions for any given potential problem. This course will have applied survey problems and solutions that will be solved through oblique trigonometric solutions and prior learned mathematics and formulas.

All mathematics will be directly "land survey" related and will include "tech tips" and problem-solving strategies towards taking FS/PS exams and checking daily survey calculations that may be produced by a survey program in your data collectors.

Pizza will be served at 5:30 for those attending Math I.



- (I) Friday, January 12, 2018
1:30 - 7:30 p.m.
- (II) Saturday, January 13, 2018
8:00 a.m. - 12:00 p.m.



FS/PS Exam Recommended Tracks

These tracks will provide you with the skills necessary to successfully complete the Fundamentals of Surveying, and Professional Surveying exams, including the Kansas State Specific component. Instructors include: Rod Zinn, PS, Steven S. Brosemer, PS, David Coffelt, and Jerry Penry, PLS.

FS Exam Track - 20 Hours

Exam Prep I & II
State Specific Exam
PLSS Basics
Math I & II

PS Exam Track - 16 Hours

Exam Prep II
State Specific Exam
PLSS Basics
Title Insurance
Minimum Standards
Math II **or** GLO/1855 Instructions and either
Easements or Harvey's Instructions

General Information

KSLS Board Meeting and Dinner

The Salina Chapter will host a meeting of the KSLS Charitable Foundation Board of Directors on Thursday, January 11, 2018, at 5:00 p.m., and a meeting of the KSLS Board of Directors at 6:45 p.m., at Webster Conference Center. All KSLS Members are invited to attend the meetings. The dinner, which begins at 6:00 p.m., will be open to all Seminar participants. Dinner is by reservation only (reserve when you complete your registration form). Cost is \$16.00 per person. Current Board Members and Committee Chairs are free. Deadline to order dinner: December 27, 2017.

Accommodations

A block of rooms has been set aside at the LaQuinta Inn, 201 East Diamond Drive, Salina, KS, for \$68+tax/night single king or double queen. The LaQuinta is located one-mile west of Webster Conference Center on I-70 exit 252. You must mention the Salina Seminar Series and make your reservations before 12/31/2017 to receive this rate. Call the LaQuinta directly at 785-827-9000.

Webster Conference Center offers queen rooms at competitive rates. See the Seminar website for more detail. Reservations are required. Call Webster at 785-827-6565 or 877-WCC-RESV.

Cancellation Policy

If you cancel on or before December 7, 2017, you will receive a full refund of your registration fee. If you cancel between December 8, 2017, and December 27, 2017, a \$50 service fee will be deducted.

NO REFUNDS WILL BE GIVEN AFTER DECEMBER 27, 2017.

Prior to January 5, 2018, you may transfer your registration to someone else. Transfers will be charged a \$25 service fee.

Email your refund request to: manager@salinaseminarseries.org.

Early Bird Registration - Payment by Check

The discounts for Early Registration end at midnight on December 7, 2017. Your registrations will not be processed until we receive your payment. Payments by check must be postmarked on or before December 7th to receive the Early Bird rates. To be fair to everyone, there will be no exceptions.

A limited number of walk-in registrations will be accepted on Thursday and Friday. A \$25 fee will be charged for walk-ins in addition to the regular fees. Admittance is not guaranteed.

PDH Certificates

PDH Certificates will be emailed to the address you use for your registration no later than January 27. If you don't receive yours by the 27th, contact the Conference Manager. It is your responsibility to keep a copy of the PDH Certificate in case of an audit by the KSBTP. A \$10.00 fee, payable through PayPal, will be charged for copies of your pdh certificate at any time after February 1st. We do not guarantee that we will have a copy of your prior year certificates.

The Missouri Division of Professional Registration has preapproved the Seminar for up to 16 Professional Development Units. [The Kansas Minimum Standards class is NOT approved for Missouri PDUs.](#)

The Kansas Minimum Standards class has been approved by the Kansas State Board of Technical Professions for two contact hours.

The Association of State Floodplain Managers has approved specific classes for CECs. Approved classes are marked on the schedule.

Please Note the Following Deadlines:

- **December 7, 2017**, Early Bird Registration Ends at Midnight •
- **December 21, 2017**, Deadline for ordering printed handouts •
- **December 27, 2017** RSVP Deadline for Board Dinner •
- **January 2, 2018**, Registration Ends for OPUS Class •

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Registration

SAVE \$5.00 BY COMPLETING AN ONLINE REGISTRATION FORM AT WWW.SALINASEMINARSERIES.ORG

CLICK ON THE "REGISTER NOW" TAB OR GO TO:
<http://www.salinaseminarseries.org/register-now.html>

FOR PAPER REGISTRATIONS: PLEASE MARK YOUR CLASS CHOICES ON THE SCHEDULE ON PAGE TWO AND INCLUDE THAT PAGE WITH THIS REGISTRATION FORM WHEN YOU MAIL IT IN.

Make Check Payable to: **SC of KSLs** and mail to: **1232 W. Highway K143, Salina, KS 67401**
Payment must accompany registration form. Early Bird Rates Expire at Midnight on December 7, 2017.

NAME (FIRST/LAST)		NAME ON BADGE IF DIFFERENT	
ADDRESS	CITY	STATE	ZIP
PHONE	EMAIL (required)		
CREDIT CARD NUMBER	Circle: MC/VISA/DISCOVER/AMEX	Exp. Date	CSC Code

AUTHORIZED SIGNATURE

CHECK HERE IF YOU ARE A CFM AND YOU WANT CEC'S SHOWN ON YOUR CERTIFICATE:

	MEMBER	NON-MEMBER	RET/ASSOC	ENTER AMOUNT
THURSDAY OR SATURDAY- 4 HOURS (circle day)	\$147	\$210	\$105	
THURSDAY ONLY (Exam Prep Track) - 6 HOURS	N/A	\$240	\$120	
FRIDAY - 8 HOURS (No Half Day Registration on Friday)	\$189	\$270	\$135	
FRIDAY - 10 HOURS (Exam Prep Track)	N/A	\$300	\$150	
THURSDAY/FRIDAY - 12 HOURS	\$231	\$330	\$165	
THURSDAY/FRIDAY/SATURDAY - 16 HOURS	\$273	\$390	\$195	
THURSDAY/FRIDAY/SATURDAY - (Exam Prep Track) - 20 HOURS	N/A	\$450	\$225	
Add \$5.00 for Paper Registration				
ON AND AFTER 12/7/2017 - ADD \$50.00				
OPTIONAL PURCHASES (DEADLINE 12/27/17):				
Thursday Box Lunch		\$7.50		
Thursday Night Board Dinner (Free for Board Members)		\$16.00		
TOTAL:				