

FEBRUARY 20-22, 2014

46TH ANNUAL WVSPS CONVENTION DAYS HOTEL, FLATWOODS, WEST VIRGINIA



Please Join Us!

The Convention Committee and Officers of the West Virginia Society of Professional Surveyors invite you to attend our 46th Annual Convention, February 20-22, 2014 at the Days Hotel and Conference Center in Flatwoods, West Virginia. The Conference Center is conveniently located at Exit 67 on I-79.

We are proud of the seminars offered, and proud to be holding the line on price this year. Licensees are not likely to find a more convenient or economical way to earn continuing education credits. Of course, we welcome all who work or have an interest in surveying, not just licensees.

Important Dates

January 15, 2014 –Map Contest Entry Deadline

January 27, 2014 - Last day for Early Registration

February 10, 2014- Deadline to receive guaranteed hotel room rate.

February 10, 2014 - Deadline for receipt of registrations by mail, fax or online

February 20, 2014 - Beginning of On-site Registration at Days Hotel and Conference Center

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Purpose

To present practical ideas and techniques for immediate application to working situations, promote discussion of mutual surveying and geographic information systems problems, and provide opportunities to update technical knowledge.

Who Should Attend

Surveyors, engineers and others involved in all disciplines of surveying, including legal principles and real estate law as they apply to surveying, as well as individuals involved in cartography, photogrammetry, law and geographic-information systems, and computer-aided design and drafting. The program is designed to offer continuing education opportunities to beginning and experienced practitioners alike.

Continuing Education Eligibility

All courses offered are designed to meet the mandatory continuing education requirements of the West Virginia Board of Professional Surveyors (WVBPS). However, the WVBPS is the ultimate authority on matters of eligibility and approval. Attendees are responsible for verifying course eligibility for application to continuing education requirements of other states and professions. We are also providing CPC Credits to Maryland Surveyors. The CPC credits are calculated on a 60 minute contact hour basis. Please refer to the course description pages to see the amount of CPC credits that are available in each session.

Hotel Accommodations

Participants are responsible for their own lodging arrangements. A block of rooms has been reserved for WVSPS at the Days Hotel. Room rates are \$80.10/single and \$89.10/double occupancy . This room rate includes parking and complimentary buffet breakfast in the Visions Restaurant. **You must mention that you are with the WVSPS Convention** when making your reservation. Reservations may be made by calling 1-866-700-7284. Reservations **must be made by February 10, 2014** in order to receive the special room rate. Any reservations made after that date could receive a higher room rate.

Fees and Registration

Full registration fee covers Thursday Lunch, Thursday Dinner, Friday Lunch, Friday Banquet, Saturday Breakfast and Saturday Lunch, and all breaks. A late fee must be added to all registrations postmarked after January 27, 2014 . The registration fee may be paid by check, money order or credit card (Visa or MasterCard). To register for the convention, complete the enclosed registration form and return it to WVSPS, 107 Hale Street, Suite 205, Charleston, WV 25301. Your receipt for registration will be e-mailed or paper mailed to the address on your registration form. Feel free to make copies of the registration form. Members of other state surveying societies may receive the member rate by enclosing a copy of their current membership card. You may also register online at www.wvsps.org, by fax at (304)414-2390 or by phone at 304-720-3299. Please have your seminar and meal selections ready when you call.

Exhibits

Refunds and Cancellations

Refunds of the full convention fee paid will be made for cancellations received in writing before February 1, 2014. After that date, the individual or organization will be held responsible for the fee. Anyone who is registered but cannot attend may send a substitute. However, all substitutions require confirmation prior to the event. WVSPS reserves the right to cancel or postpone any course or activity with or without warning because of insufficient enrollment or unforeseen circumstances.

Representatives from various equipment suppliers and service providers will be present to answer questions and to demonstrate their products. Through these exhibits, attendees can learn about new equipment techniques, technology and sources of professional services in the industry. Representatives from educational institutions offering surveying curricula and degrees will also be present to advise aspiring surveyors. Our Exhibitors help make the Convention possible, please plan on visiting their booths and displays in the Exhibit Hall.

2014 WVSPS Convention at a Glance

THURSDAY, FEBRUARY 20, 2014

- 7:30 am Registration, Exhibitors Open and Continental Breakfast
- 8:30 am Opening Ceremonies/General Membership Meeting
- Noon Luncheon
- 1:15 pm to 5 pm SEMINARS
Civil War Era - Mapping a New State
3D Laser Scanning (ground-based LIDAR)
Unmanned Aerial Systems
Least Squares Adjustment Demystified
Whatever Floats Your Boat
- 5:30 pm Social Hour
- 6:30 pm Dinner
Guest Speaker: Jon Averill, *John Marshall and the River Commission*
Survey: The story of an extraordinary expedition into a wild and wonderful land.
- 7:30 pm Surveyors Historical Society Meeting
- 8:30 pm County Surveyors Association Meeting
- 8:30 pm Hospitality Suite Opens

FRIDAY, FEBRUARY 21, 2014

- 7:00 am Past Presidents Breakfast
- 7:30 am Registration, Exhibitors Open and Continental Breakfast
- 8:00 am to 5:00 pm SEMINARS
Easements in a 3D World
- 8:00 am to Noon SEMINARS
Early USGS Surveying and the Bilby Towers
Compass Transit and other Instruments
ALTA/ACSM: New Standards & How to Apply Them

Convention at a Glance, continued

FRIDAY, FEBRUARY 21, 2014, Continued

Noon	Luncheon
1:15 pm to 5:00 pm	SEMINARS Easements, Rights of Way, Turnpikes and Public Roads in West Virginia History of Measuring Tools Traverse Analysis and Adjustments GIS for Land Surveyors – Concepts, Solutions and Applications
5:30 pm	Social Hour
6:00 pm	Annual Awards Banquet
9:00 pm	Hospitality Suite Opens

SATURDAY, FEBRUARY 22, 2014

7:00 am	Prayer Breakfast
7:30 a.m.	Registration and Exhibitors Open
8:00 am to Noon	SEMINARS WV Minimum Standards for Surveyors Basic WV Surveyors Exam Review Art of Land Surveying Marketing for the Small Professional Office Adverse Possession
Noon	Luncheon
1:15 pm to 5:00 pm	SEMINARS Comparative Ethics for Surveyors Boundary Law Exam Review Surveying Short Course Business Writing Worth Reading Implementing Value Based Pricing
5:00 pm	Convention Ends

Civil War Era - Mapping a New State (WV: 4 PDH; MD: 3.5 CPC)

Don Teter and Hunter Lesser

The boundaries of the new state of West Virginia did not just emerge as a logical finished product in June 1863. We will discuss pre-Civil War maps including the territory that later became West Virginia, and the progression of proposals for the shape of the new state.

Hunter will discuss "Lincoln's Odd Trick: Heroes, Rascals and Rogues of West Virginia Statehood" exploring the politics and practicality of forming West Virginia and its boundaries, and addressing the legality of the process.

During the Civil War numerous campaigns, skirmishes and battles occurred in West Virginia. Don will explore maps of many of them, with comparisons to modern mapping of the same areas, with Hunter adding historic context.

3D Laser Scanning in West Virginia (WV: 4 PDH; MD: 3.5 CPC)

Damon L. Wilkewitz, PS

This course is given from an end-user perspective about how laser scanning has been used successfully for many different land surveying projects in West Virginia. Several scanning applications will be discussed, including work in the natural gas (Marcellus Shale) industry. Examples of scanning projects will be shown, including construction, heritage sites, architecture, surface and underground mining, gas well pads, access roads, pond certifications, and gas compressor stations. Scanning practices, tips, and limitations will also be discussed. Topics will include advantages to scanning over conventional methods and what it takes to get into laser scanning.

Unmanned Aerial Systems (WV: 4 PDH; MD:3.5 CPC)

Chip Berniard

This session will cover the Unmanned Aircraft Systems that are impacting the market. A history of drones will be covered followed by FAA regulations, Manufacturers, flight plans, logistics, observed data, and accuracies. The Trimble UAS will be presented and an actual flight will be shown using a simulator.

Least Squares Adjustment Demystified (WV:4 PDH; MD: 3.5 CPC)

Dean Goodman and Bruce Carlson

Data adjustment is an integral part of most survey projects. Modern computers have allowed surveyors to use adjustment techniques that were all but impossible in the past. Least Squares adjustment provides the best and most informative adjustment technique possible. It allows more control over the adjustment process than traditional methods and provides the surveyor with a powerful data analysis tool.

We will be using Carlson SurvNET as the processing software in our presentation. There will be a brief discussion of measurement errors, error propagation, and traditional error adjustment techniques. We will then create and process several survey projects. This will include the analysis of the data and statistical reports.

Whatever Floats Your Boat (WV:4 PDH; MD: 3.5 CPC) **Kristopher M. Kline**

Waterways represent one of the oldest transportation corridors in our country. This class focuses on the evolution of the definition of "Navigable Waterways" in colonial states with relevant State specific case law.

Early USGS Surveying and the Bilby Towers (WV: 4 PDH; MD 3.5 CPC) **Don Teter and Bart Crattie**

How do you accurately map a sprawling nation before distance meters and GPS?

The U.S. Coast and Geodetic Survey used precisely measured baselines, such as the one at Saint Albans, West Virginia, and extended control with precisely measured angles over long distances. We'll review their methods and results.

Where do you go for long shots? High ground. Or you use a hand built wooden tower system.

Then in 1926, tired of the labor-intensive wooden towers, Jasper Bilby designed a portable "erector set" version that reduced tower costs by about 75% and allowed observers to reach heights of 24 to 156 feet. Surveyors Historical Society recently led the effort to recover one of the last Bilby Towers, standing in a Louisiana swamp. It has risen again in Osgood, Indiana, Jasper Bilby's hometown, as a memorial to him and will be dedicated in 2014. Bart Crattie spearheaded the tower project, and will have photos and details of the entire process of dismantling and reconstruction.

Easements in a 3D World (WV: 8 PDH; MD: 7 CPC) **Kristopher M. Kline**

Easements can be extremely confusing even under what are laughingly called normal circumstances. Incorporeal property rights become even more difficult to deal with when considered in the context of a 3-dimensional world. This course considers three major topics: (a) Property rights associated with mining interests and other below-ground activities (b) natural easements and other issues relating to control of surface flow water (c) Railroad rights of way and easements.

This course includes state-specific problems for the student to solve based on actual rulings and cites additional examples from Maryland. The course will be followed by a multiple-choice quiz for those students who wish to claim continuing education credits for Maryland licenses.

Knowledge of these topics may suggest new business opportunities for surveyors and will improve their ability to aid clients and attorneys when preparing for possible litigation.

Compass Transit and other Instruments (WV: 4 PDH; MD: 3.5 CPC) **Milton Denny**

The theme of this seminar will be the application of magnetic surveying instruments on the original and re-tracement surveys of public and private land. These instruments include the survey compass, telescope compass, transit and other special use instruments such as the solar compass and transit. Special emphasis will be placed on using magnetic declination and the methods used to correct magnetic to True North. Different methods will be explained on the conversion of magnetic bearings to true bearings on re-tracement surveys using NOAA on line conversion table for any year from 1650 to present. Applying the corrected survey bearing to an old re-tracement survey will allow you to analyze the information for correctness and accuracy.

Presented will be information on how the early history of magnetic attraction was discovered and became the compass used in astronomy, navigation, artillery, mapping and compass surveying, and the important role it played in the development of civilization. Current research by NGS into gravity and declination and the role it plays in modern GPS adjustments. Pictures of many original instruments will be included in the PowerPoint presentation, plus instruments from the collection of Milton Denny will be on display.

Seminar Descriptions

ALTA/ACSM: New Standards & How to Apply Them (WV: 4 PDH; MD: 3.5 CPC)

Larry Phipps

The 2011 ACSM/ATLA Standards have been completely reorganized and updated. Some of the changes are significant. We are now required to know, and apply accepted boundary law principles when conducting an ACSM/ALTA survey. Goodbye deed staking, Hello being responsible for what you say and do.

Easements, Rights of Way, Turnpikes and Public Roads in West Virginia (WV: 4 PDH;MD: 3.5 CPC)

Steve Prunty

This course will include a general discussion of easement law and also explore the history of state roads including turnpikes. You sort of have to start with the initial premise that patents were issued for land locked tracts as a basis for the damage control we've been doing ever since and the evolution of our system of laws regarding private and also public easements.

History of Measuring Tools (WV: 4 PDH; MD: 3.5 CPC)

Milton Denny

As a professional surveyor, it is important to understand the accuracy standards in place when the original surveys were performed in the area where you practice. This seminar will help you understand the roots of our measurement system and our English heritage, which resulted in the U. S. Survey foot. This course will cover not only the survey chain, but also many other devices used to measure land, including the steel tape, waywiser, tobacco jack and many others. Information provided will also cover the measuring methods and the skills of the employees.

The specific objectives of this one-day seminar will be to:

- gain an understanding of early measurement systems,
- develop an appreciation for antique measurement tools,
- relate the accuracy of these tools to the modern survey,
- study the time period of the use of different survey tools, and
- use this gained knowledge to become a better modern surveyor.

You, as the professional surveyor, will come away with a better understanding of how the work was done and the tools used. This understanding will result in your making better judgment calls while performing a boundary survey job for your clients.

Traverse Analysis and Adjustments (WV: 4 PDH; MD: 3.5 CPC)

Larry Phipps

Also known as "Understanding Least Squares" this class lays the foundation for attendees to first understand what Least Squares is and the necessary principles behind survey measurement adjustment. The class features a frank discussion of why "error of closure" is a poor measurement of the quality of survey data and enlists a comparison of common concepts like "error vs. mistake" and "accuracy vs. precision." There will also be analysis of various survey measurement adjustment methods. Finally, we'll discuss how least squares work, what errors are considered, and take a detailed look at example reports. What do all those numbers mean?

GIS for Land Surveyors-Concepts, Solutions & Applications (WV: 4 PDH; MD:3.5 CPC)**John Cooke and Kevin R. Zelinsky**

This class explores the basics of Geographic Information Systems (GIS) and how this emerging technology can be leveraged by land surveyors. Using both ArcGIS® from ESRI® and AutoCAD® Map 3D® or Civil 3D® from Autodesk®, the class shows how surveyors can integrate GIS solutions and opportunities, often without the need for additional software. The class will explore basic definitions of GIS concepts, and examine concepts such as data sources, data types and spatial analysis—all within the framework of actual survey/GIS projects prepared and delivered by the instructors. The class will examine how field data can be brought into a GIS system created in both ArcGIS and AutoCAD. The class will then explore practical applications of both ArcGIS and AutoCAD, and how the two products can be used seamlessly together to accomplish the creation, editing, analysis and presentation of data in GIS projects.

WV Minimum Standards for Surveyors (WV: 4 PDH; MD: 3.5 CPC)**Don Teter, PS**

A review of laws and regulations pertaining to surveying in West Virginia, with particular emphasis on the minimum standards. The course is designed to exceed the continuing education requirement for all West Virginia licensees to obtain two PDH of minimum standards within each four year period, and has been updated to reflect the new minimum standards which went into effect May 1, 2008. **This course has been pre-approved by the WV Board of Professional Surveyors to meet the mandatory requirement for 4 PDH credits in minimum standards every four years.**

WV Surveyors Exam Review (WV: 4 PDH; MD: 3.5 CPC)**Rick Witte, PS**

Topics will include materials and equipment best suited to preparing for and taking the first part of the NCEES examination for surveyors, and then an overview of declination and secular change, coordinate geometry, matrix algebra, statistics, partition of land, horizontal and vertical curve calculations, legal terms, and other areas covered by the examination. This will be a review of subjects, not an in-depth study.

Art of Land Surveying (WV: 4 PDH; MD: 3.5 CPC)**Milton Denny**

Today with the common use of GPS and modern technology, science seems to be getting the upper hand in this age old struggle between the Art of Surveying and the Science of Surveying. This has resulted in surveyors setting many additional corners, in some cases next to established property corners. In some instances this has resulted in court fights and lawsuits that are totally unnecessary. The modern surveying profession needs to understand more about the art of accepting and proofing evidence of existing property boundary locations. Learning to survey properly not just based on technology or mathematical calculations.

This seminar will attempt to present the case for the “Art of Land Surveying”, based on long standing principles of the rights of the entryman and case law. Where the entryman is occupying property based on the good faith effort of the original surveyor, that used different standards and technology to locate the property description on the surface of our earth. My belief is much of this information may come as a surprise to many recently licensed surveyors’ that only studied the science of surveying. Many older surveyors had a mentor that taught us as apprentices the Art of Surveying. This system is for the most part lacking today which has resulted in the multiple corner dilemma and many court cases that should never happen.

As Paul Harvey said many times this is the “Rest of the Story”.

Marketing for the Small Professional Office (WV: 4 PDH; MD: 3.5 CPC)

Larry Phipps

We'll discuss the "Four Ps of Marketing" and how target markets affect the overall marketing approach. There will be a discussion about how you can effectively integrate marketing, public relations, and advertising activities into your business plan and how your marketing and promotion plans relate to your pricing strategy.

Adverse Possession (WV: 4 PDH; MD: 3.5 CPC)

Kristopher M. Kline

This seminar considers specific details of this complex doctrine. This class considers the interaction of statutory and common law, and includes unusual aspects such as adverse claims of submerged lands and extinguishment of easements by adverse use. Topics include:

1. Early History
2. Doctrine of Presumed Grants
3. Overlapping claims (Interlock)
4. Claims against the State
5. Claims between co-tenants
6. Effect of the Public Trust Doctrine
7. Mistaken Belief and prescriptive claims

This class is based on West Virginia statute and rulings and also considers the doctrine within the larger framework of adjoining states.

Comparative Ethics for Surveyors (WV: 4 PDH; MD: 3.5 CPC)

David Ingram, PS

What can Surveyors and Engineers learn from other professions? Why are other professions' Ethics different (and the same) from Surveyors' and Engineers?

Ethical considerations of business and professional practice have always been of concern to surveyors and engineers, but in recent years surveyors and engineers have seen an increasing emphasis on the need to understand and put into practice positive ethical attitudes. Attempts are made to impose ethics on surveyors and engineers from several directions including legal, professional and moral. An understanding of the implications of each is important.

Additionally, surveyors and engineers find themselves interacting with other professions on a daily basis where an understanding of their ethical obligations is critical to a positive outcome for projects that require input from many different sources. However, it is frequently observed that priorities of different professions may be in conflict with each other.

To focus thoughts for the class, the workshop will begin with a review of ethical guidelines that surveyors and engineers from West Virginia are expected to adhere to and look at areas of common interest as well as areas of difference.

After a discussion of the history of ethics for surveyors and engineers and an examination of modern ethical guidelines for surveyors and engineers, guidelines for several other professions will be examined with an eye toward areas of commonality as well as areas of conflict. Some of these groups will be closely related professions to surveyors and engineers while others will be examined not for their areas of common interest, but rather to see what we can learn from them. **This course has been pre-approved by the WV Board of Professional Surveyors to meet the mandatory requirement for 4 PDH credits in ethics every four years.**

Boundary Law Exam Review (WV: 4 PDH; MD: 3.5 CPC)**Rick Sypolt, PS**

Topics that may be covered are Astronomy, Boundary Law which will include: West Virginia Code; Rules and Regulations; Sample Boundary Law Examinations; Surveys along Rights of Way and Streams; and Miscellaneous Topics suggested by the participants.

Surveying Short Course (WV: 4 PDH; MD: 3.5 CPC)**Don Teter, PS**

The basics of performing and organizing boundary research, some methods for finding and recognizing survey evidence, and a discussion of the Function of the Surveyor. Are we just after the "facts" (deed dimensions and our measurements), or should we offer an opinion based on evidence? Particular emphasis will be given to the question of conflicts between measurements and other evidence.

Business Writing Worth Reading (WV: 4 PDH; MD: 3.5 CPC)**Milton Denny**

Business writing is really the art of communications. These communications in a business take place between many different parties in which a business comes into contact. The most common is the letter to a client or letter of proposal, but this is just the tip of the iceberg. One of the most important types of letters is the resume, both from the standpoint of an employee finding a job and also the resume/proposal to a client asking for work. This session will address many of the different types of letters written in the modern company. Examples of humorous letters on what not to say will also be shown.

Other topics will include e-mail etiquette in the workplace, electronic data and formats used in the modern company. Guidelines on proofing all letters before they leave the office will be included. Clarity and focus dealing with the issue; are you saying what you want to say in this communication, will be addressed. Are you adding the right amount of emphasis, or just writing a memo, all these items and more will be covered in class. Examples of many different letters will be provided in the handout material.

Implementing Value Based Pricing (WV: 4 PDH; MD: 3.5 CPC)**Larry Phipps**

The Pricing Professional Services class is so popular with surveyors they practically demanded that I develop Part 2. Now that they are sold on Value Pricing, the logical question is "How Do I Value Price?" In this class we will discuss the steps necessary to get away from selling your time and get to selling your knowledge.

After Dinner Speaker: Jon Averill**Thursday, February 20, 2014 at 6:30 p.m.**

"*The Marshall Expedition*" - John Marshall and the Virginia River Commission Survey of 1812. The story of an extraordinary expedition into a wild and wonderful land.

Jon Averill

Jon Averill is a documentary filmmaker who is intrigued with early Appalachian settlement. His research for his historical film, *Passing Thru Sandstone*, led to an extensive study of John Marshall's Virginia River Commission Survey of 1812. He coordinated regional celebratory events for the bicentennial of the Marshall Survey in September 2012. While developing his filmmaking and research skills, Jon was teaching high school Spanish and history in West Virginia schools. His wife, Abby, an educator and former school principal, will co-present. For more information on his projects, go to www.averellsraiders.com.

Chip Berniard

Chip Berniard has a degree in Geomatics Engineering and a 13 year career with Trimble engaged in a variety of roles from Applications Engineer, QA Systems Testing, Survey Business Area Product Specialist. Survey Sales experience includes Field Support Engineer, Regional Account Representative, and currently Technical Sales providing distributor and key customer pre-sales support in emerging technologies. Some of the current specialties include the Gatewing UAS aerial mapping and surveying system, along with terrestrial based scanning, and the software solutions that enable the required customer deliverables.

Bruce Carlson

Bruce Carlson is the President of Carlson Software (1983 – Present) which specializes in software for engineering, surveying, construction and mining applications. Bruce has a degree in Mathematics from Dartmouth College and is a Civil Engineer and Land Surveyor. He specializes in Software Design, Training and Large-Customer Support.

John Cooke

John Cooke joined Westland Studies and Solutions, Inc. in the fall of 2009 after working as an independent consultant and AutoCad® instructor for over twenty years. Mr. Cooke presently operates the Civil Training, LLC Division of Wetland Studies and Solutions, Inc. and supports Engineering, GIS and Surveying technology efforts within the office and for other clients nationwide. Within Wetland Studies and Solutions, Inc., he participates in development efforts for Engineering and Survey automation, including the creation of custom software for stream restoration based on AutoCAD® Civil 3D. Mr. Cooke has been continuously affiliated with Autodesk® Civil/Survey applications since 1989, functioning initially in development and then in consulting and training roles. He has an extensive background in development, implementation and training of Autodesk AEC Civil Engineering, Surveying, GIS and BIM solutions. He has provided training to thousands of individuals nationwide, assisted numerous clients in implementing Civil software, CAD standards and practices, and provided project consulting to many clients in unusual or challenging project applications. His experience level covers a spectrum from wide-area network-based systems for large international clients to individual data collection and mapping stations for survey sole practitioners. Mr. Cooke's training experience ranges from multidiscipline firms at national and regional levels to individualized field survey training in subway tunnels under New York City.

Bart Crattie

Bart Crattie is licensed as a land surveyor in Georgia and Tennessee, a Certified Floodplain Manager and a Rule 31 listed General Civil Mediator in Tennessee. He also serves on the SHS Board of Directors and is a regular contributing writer for American Surveyor magazine.

Milton Denny

Milton E. Denny is a registered surveyor in seven states, and a veteran of surveying, mapping and GIS. His special interest has always been in project development and management of firms. He is a past president of the Alabama Society of Professional Land Surveyors, a Fellow in the American Congress on Surveying and Mapping and served for many years on the Board of Direction. Mr. Denny is the author of many manuals dealing with surveying, mapping and GIS. He is a nationally known speaker and lecturer on these subjects and writes a column called "*The Business Side*" for a trade magazine. He was instrumental in the starting of a new member organization in the American Congress on Surveying and Mapping called the "*Geographic and Land Information Society*". He served as the first president. Mr. Denny recently finished publishing a book on the history of surveying measurement call "*Surveying The Land: Survey Measurement Devices 1620 to 1920*". He is currently working at off campus locations for Auburn University teaching basic and advanced surveying for the Alabama Department of Transportation. He is available for consulting on many different issues, including Buying and Selling a Company, Business Planning, Future of Surveying Technology, and Training at both the entry and advanced level for field and office personnel.

Dean Goodman

Dean Goodman is a software engineer at Carlson Software (2001 – Present). He specializes in the Carlson Land Surveying products and his duties include software development, technical support, product testing and training. He has a degree in Civil Engineering from the Georgia Institute of Technology. Dean is a licensed Land Surveyor in the State of Georgia.

David Ingram, PS

Mr. Ingram is a Licensed Surveyor in three States, having first been Licensed in West Virginia in 1975 and later that year in Virginia. Maryland registration was granted in 1981. He is a 1978 graduate of James Madison University holding degrees in Economics and Business Administration. Mr. Ingram is an active member of several state and national professional associations including the Virginia Association of Surveyors, West Virginia Society of Professional Surveyors, Maryland Society of Surveyors, and Surveyors Historical Society. He has held numerous positions in these organizations including Secretary/Treasurer of the National Society of Professional Surveyors, member of the Board of Directors of the American Congress on Surveying and Mapping, Secretary of the Board of Directors of the Surveyors Historical Society, chapter President and member of the Board of Directors of the Virginia Association of Surveyors, and he has served as chairman of the Ethics Committee of NSPS for several years and as a member of the ACSM Ethics committee for several years. He has also served as the ACSM TAC or ABET Commissioner and a program evaluator for the Accreditation Board for Engineering Technology (ABET). Mr. Ingram is the Managing Partner of the firm of Ingram-Hagen & Co., PLC.

Kristopher M. Kline

Kristopher M. Kline, president of 2Point, Inc., has a four-year degree (class of '84) in general science from Bridgewater College located in Bridgewater, Virginia and he has been involved in the surveying profession since graduation.

Kris became licensed in North Carolina in 1991 (P.L.S.L. - 3374). He is a 1990 graduate of the North Carolina Society of Surveyors (N.C.S.S.) Institute, a three-year continuing education program that for many years drew national attention for the quality of its curriculum and instructors. Kris served for 5 years as Chairman of the N.C.S.S. Education committee. He has appeared as an expert witness in court on numerous occasions, and has spent the last several years in the hard school of boundary dispute (an informal class taught the hard way with no fixed curriculum, location, or schedule!).

Kris has been teaching classes in North Carolina since 2001 on subjects including Boundary Retracement, Standards of Practice, Adverse Possession, Easements, and Intent of the Parties as well as a portion of the annual Exam review. More recently, he has been invited to teach classes in South Carolina, Ohio and Virginia. Kris now writes a bi-monthly column for "Point of Beginning", a professional trade journal for land surveyors and spends his spare time researching material for upcoming articles and classes.

Hunter Lesser

Hunter Lesser is a consulting archaeologist and historical interpreter based in Elkins. His thirty-year career has been wide-ranging, and his writings on America's past span topics from ancient Native Americans to Kentucky moonshine stills. A member of the West Virginia Sesquicentennial Commission, he is also the author of *Rebels at the Gate*, a History Book Club main selection.

Larry Phipps

Larry Phipps is a Professional Land Surveyor with years of experience and a national reputation as a First Class Surveying Instructor. In the past 10 years his travels have taken him to more than 30 States and 4 Foreign countries. In addition to teaching, he owns and operates a small surveying company in the mountains of North Carolina. Thus, his sometimes controversial views on the business of surveying and the role of the professional in that business are based on real world experience.

He is a 1980 graduate of North Carolina State University. While there he obtained degrees in both Forestry and Wildlife Biology. Since that time he has held leadership positions in many community organizations including stints as President of the Ashe County Chamber of Commerce, and the Ashe Economic Development Counsel. He is also a founding board member of the Ashe Youth Connection.

Steve Prunty

Steven M. Prunty is a Partner in the law firm of Bowles Rice, LLC in Morgantown, West Virginia. His Bar Admissions include the U.S. Court of Appeals for the Fourth, Ninth and Federal Circuits, the Supreme Court of the United States, the U.S. Tax Court and the U.S. District Court for the Northern and Southern Districts of West Virginia. He is affiliated with the American Bar Association, the West Virginia State Bar, the Monongalia County Bar Association, the West Virginia Real Estate Lawyers Association and the Monongalia County Real Estate Attorneys Association. Mr. Prunty is a Guest Lecturer to the West Virginia University College of Law and various Continuing Education Providers and Professional Societies.

Rick Sypolt, PS

Professor Sypolt graduated from Rowelsburg High School in 1964 and attended West Virginia University from 1964 thru 1966. After being drafted in 1966, he served two years in the U.S. Army and was given an honorable discharge. He then returned to finish his Master's Degree in Forest Management in 1970. He then finished a Master Degree in Forest Hydrology in 1971. He co-owned and operated a small business until he accepted a teaching position in forestry and surveying at Glenville State College in 1973.

Since 1973 he has taught in the Land Resources Division on initiated related professional classes to include wetland delineation and geographic information systems. He has taught review seminars for over 10 years. He has taught a review seminar for the Kentucky Association of Land Surveyors, a seminar at the International Mining Symposium, and a boundary law seminar at the 1998 ACSM Conference. Mr. Sypolt still practices surveying and forestry as a consultant. He has been acting division chairman for the Land Resources Division on two separate occasions but enjoys teaching and learning boundary law and its application to property surveys.

He has served as Vice-President, President Elect and President of the West Virginia Society of Professional Surveyors twice. He has served many years on the Education and Legislative committees.

Don Teter, PS

Don Teter has served on the Board of Directors of the international Surveyors Historical Society for ten years. He is a self-employed surveyor and historian, and has worked as a consultant for Historic Beverly Preservation, the Rich Mountain Battlefield Foundation, and the Staunton-Parkersburg Turnpike Alliance.

Damon L. Wilkewitz, PS

Employed for over 7 years at Allegheny Surveys, Inc., Damon Wilkewitz is a licensed professional surveyor with over 20 years of experience. Since Allegheny Surveys purchased a laser scanner in May 2011, he became their High Definition Surveying (HDS) Manager. Two weeks after receiving the scanner, Damon completed his first HDS project, and has now completed over 70 HDS projects (including some site modeling) for the Natural Gas and Coal Mining industries. In June 2012, he was a speaker at the Hexagon Conference in Las Vegas to discuss Allegheny's extensive amount of scanning projects, including forensic scanning and underground mine modeling.

Rick Witte, PS

James R. Witte is an instructor of Land Surveying at Glenville State College (GSC) where he has been employed full-time for ten years, and as adjunct faculty for eight years previously. Before entering higher education he worked for several surveying and engineering companies in the state of West Virginia, in most aspects of surveying. He is a Past President of the WVSPS and has represented GSC and WVSPS at many conferences and conventions. He resides with his wife, Alison, on a farm on Sinking Creek, near Glenville, West Virginia.

Fred Zelinsky

Kevin R. Zelinsky, GISP, CMS, is the CADD/Cartography/GIS Department Head and Associate with Remington & Vernick Engineers in Haddonfield, New Jersey. He oversees the entire mapping operation for the firm's eleven regional offices located throughout Pennsylvania, New Jersey and Delaware. He received his GISP certification from URISA in 2004, and he earned his Certified Mapping Scientist, GIS/LIS certification from ASPRS in 2006. He received his Professional Certificate in Geomatics from Rutgers University in 2008. Kevin has over twenty-five years of experience in the civil engineering and cartographic industry, and his municipal maps have been honored with a variety of awards for excellence. He is an accredited teacher of GIS fundamentals to municipal employees in the State of New Jersey. He is also a member of the GIS Certification Institute (GISCI) Outreach Committee, which encourages GIS students and professionals to attain the level of education and experience needed for GISP certification.

46th Annual WVSPS Convention MAP CONTEST

2014 Map Contest Rules

DEADLINE: January 15, 2014

1. **Only members of WVSPS may submit maps.** If you aren't a member of WVSPS you can submit your membership application along with the map entry form. Contact WVSPS at 304-720-3299 for an application.
2. The survey must be within **West Virginia**.
3. All maps must have been produced between last year's convention (February 21, 2013) and the map entry deadline (January 15, 2014). Dates must be shown on each map.
4. **The name of the surveyor/company must be concealed on the face of each map to be judged (see item 12 below).** Please check all notes on the map for compliance. **DO NOT** put your name on the back of the map.
5. Each entrant will be limited to one map in each of the following categories: City Lot; Well Location; Rural Boundary; Topography; ALTA/ACSM (You may call the office for guidelines for ALTA); Subdivision (5 or more lots); and Miscellaneous. The entrant is the professional whose signature and seal appear on the map. Multiple entrants from a single company are permitted provided their entries and registration documents are submitted separately.
6. The same map may not be used in more than one category.
7. **Maps must be clearly marked to indicate in which category the entry is to be judged.** If, in the opinion of the judges, the map has been submitted in an incorrect category, the entry form is incomplete, incorrect or not submitted, or upon failure to comply with any of the Map Contest rules, the map will be disqualified.
8. All entries must be un-mounted prints with a maximum size of 24 by 36 inches. Only Deep Mine maps entered in the miscellaneous category may be larger if needed to include all required information.
9. Entries will be judged according to WVSPS Map Judging Forms, taking into account completeness, legibility, and presentation.
10. Awards will be presented for first, second, and third place winners in each category.
11. There will be **NO** entry fee.
12. **Mail 2 copies** (one copy with the name of the surveyor/company (including the logo) concealed for judging, and one copy with the name visible for display at the convention) **for each category entry** to WVSPS, 107 Hale Street, Suite 205, Charleston, WV 25301 postmarked no later than January 15, 2014. **Entries must be folded to fit into a 9" x 12" envelope. Each map must be labeled with a post-it note indicating the category in which it is to be entered.**
13. Old and interesting maps may be displayed at the convention. There will be no entry fee or awards for this category. Please indicate who is providing the map.
14. All maps entered (except old and interesting maps) become the property of WVSPS upon completion of the contest.
15. Along with plaques there will be cash prizes again this year. We have will be awarding \$100 for 1st place, \$50 for 2nd place, and \$25 for 3rd place.

46th Annual WVSPS Convention MAP CONTEST Entry Form

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone _____

There is NO Entry fee - DEADLINE IS JANUARY 15, 2014!

Check map category
Office Use Entry #

Title of Entry

City Lot

Topography

Well Location

ALTA/ACSM

Rural Boundary

Subdivision

Miscellaneous

Each First place winner will receive **\$100 cash**, a plaque, ribbon; Second place will receive **\$50 cash** and a ribbon; and Third place will receive **\$25 cash** and a ribbon.

Entries must be folded to fit in a 9" x 12" envelope and labeled with category name.

Mail entries to

West Virginia Society of Professional Surveyors

107 Hale Street, Suite 205, Charleston, WV 25311

Phone: 304-720-3299 Email: wvsps@wvsps.org Web: www.wvsps.org



107 Hale Street, Suite 205
Charleston, WV 25301

Phone: 304-720-3299
Fax: 304-414-2390
E-mail: wvpsps@wvpsps.org

WE'RE ON THE WEB
WVSPS.ORG

Not Already a Member of WVSPS?

Did You Know...

- ... the difference between "Member" and "Non-Member" rates for the full convention is \$135?
- ... WVSPS members receive 25% Off all reference materials sold by the WVSPS?
- ... WVSPS members enjoy "Member" rates at the activities of many other state societies?
- ... the WVSPS has 11 Regional Chapters who meet regularly to address local and statewide issues, provide valuable networking and interaction opportunities to local surveyors and conduct local continuing education activities saving local members even more money on travel and lodging expenses?
- ... WVSPS members receive discounts at all continuing education activities sponsored by our Regional Chapters?
- ... WVSPS members can claim FREE mandatory continuing education credits for attending local Regional Chapter meetings?
- ... WVSPS members receive a FREE copy of the "West Virginia Surveyor" newsletter quarterly throughout the year?
- ... WVSPS have a full-time professional Lobbyist to represent them at the capitol and keep them up to date on legislative matters of interest?
- ... WVSPS members are always welcome to participate in legislative matters through direct communication with the legislative committee and the lobbyist?
- ... the WVSPS is recognized by policy makers as the voice of the Professional Surveying community in West Virginia?
- ... prospective clients and employers value membership and participation in the WVSPS?

If you're a professional surveyor in WV you're a member of the West Virginia Society of Professional Surveyors.

If you're not paying your dues, you're just a delinquent member.

The health, security and strength of our organization, and your profession, lies in our unity.

We must stick together in order to be successful.

You get out of the WVSPS what you put into it.

Go to www.wvpsps.org today and become a member. Start receiving your Benefits today!