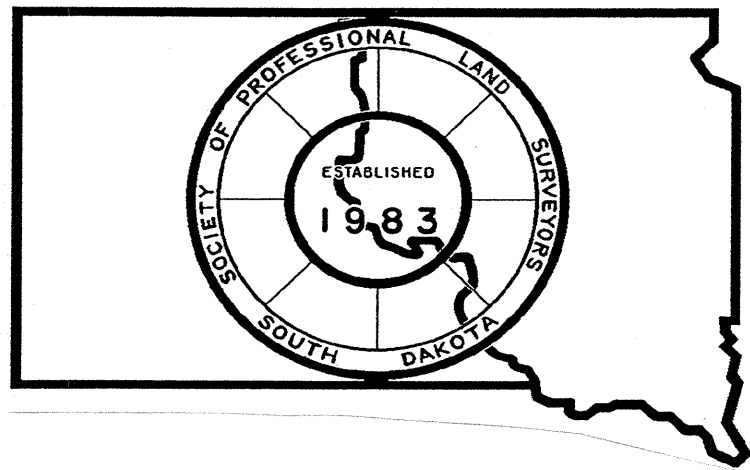


the
SOUTH DAKOTA SOCIETY
of
PROFESSIONAL LAND SURVEYORS

proudly welcomes you to their

27th ANNUAL CONVENTION



January 14, 15 and 16, 2010

Cedar Shore Resort – Chamberlain, SD

THURSDAY – January 14, 2010

WELCOME & INTRODUCTIONS

1:00 – 1:15 pm (*Hale & Oacoma Meeting Rooms*)

SDSPLS President Steve Peters will open the 27th Annual SDSPLS Convention with the introduction of guests and exhibitors.

**HISTORY OF LAND SURVEYING
MEASUREMENT TOOLS**

1:15 – 5:00 pm (*Hale & Oacoma Meeting Rooms*)

Milton Denny, PLS – Instructor

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, waywaiser, tobacco jack and many others. Information provided will also cover the measuring methods and the skills of the employees.

- 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.

This course should be of interest to surveyors, county engineers, city engineers, DOT personnel, contractors, consultants, planners and all those whose work impacts land

About the Instructor:

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 has 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 called "Surveying The Land: Survey Measurement Devices 1620 to 1920". He also does a first person presentation of the Colonial Surveyor Andrew Ellicott.

Since retirement he has formed the firm of Denny Enterprise, LLC to better serve the surveying and mapping community. 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.

THURSDAY EVENING



5:30 pm **Exhibitor's Icebreaker**

7:00 pm **Scholarship Auction**
Maynard Jensen Auctioneer

FRIDAY am – January 15, 2010

**THE FUTURE ROLE OF
SURVEYORS IN GIS**

8:00 – 12:00 (*Hale & Oacoma Meeting Rooms*)

Milton Denny, PLS – Instructor

This course looks at the terminology and definitions of a Geographic Information System, the process of designing a system and how the information is captured from existing records and new spatial data. The course contains a short overview of the most popular software and hardware and will help surveyors understand the accuracy standards used in most GIS applications.

The second part of this course deals with the planning, design, implementation and uses of a GIS including information on map projection and coordinate systems used to design a system. This seminar will explain data capture for the base mapping used in developing GIS systems - including aerial mapping, digital orthophotos, remote sensing, and GPS equipment and the latest equipment such as LIDAR and digital aerial cameras. **These systems will impact your life as a surveyor.** Stand on the sidelines or get involved in this technology, you have no choice.

LSIT COURSE – LOT AND BLOCK

8:00 – 12:00 (*Howe Meeting Room*)

Rod Breitling Instructor

This four hour session will provide the participant with fundamental instruction on lot and block laws and proration. Instruction will include: Block Breakdowns, Lot Prorations, Lot and Block Laws, and discussion on Lot Deeds and Conveyances. A simple calculator with trigonometric functions is necessary to participate with in-class calculations.

This course is the second of a five year series. The courses are designed to provide the LSIT with practical and essential training on land surveying topics. The courses are intended for those preparing for the LSIT and LS exams, or for anyone who can benefit from a session. Class size is limited to allow for personal instruction.

FRIDAY pm – January 15, 2010

WHY GRAVITY MATTERS

1:15 – 2:00 pm (*Hale & Oacoma Meeting Rooms*)

David Zenk, NGS – Instructor

A brief overview of how gravity affects heights and geoid models.

**EDUCATION REQUIREMENTS
AND LICENSURE**

2:15 – 3:15 pm (*Hale & Oacoma Meeting Rooms*)

SDSPLS President Steve Peters

In August of 2006, SDSPLS received a request from the South Dakota Board of Technical Professions to evaluate and plan for advancing education requirements for surveyor licensure. General membership discussion began last year at convention and concluded with a questionnaire regarding your opinions on this issue. This session will review the results of the questionnaire and the subsequent recommendations from the SDSPLS Board of Directors.

3:30 pm ACSM/NSPS Update

3:45 pm South Dakota Board of
Technical Professions Update

4:00 pm SDSPLS Annual Business Meeting

5:00 pm Committee Meetings

FRIDAY EVENING

6:00 pm Social Hour (*cash bar*)

7:00 pm Banquet & Awards

*Presentation of Scholarships
Awards
Installation of Officers*

8:30 pm Entertainment

SATURDAY – January 16, 2010

**POSITIONING ACCURACY
STANDARDS**

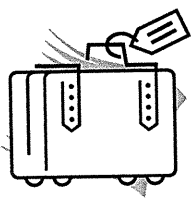
8:00 – 12:00 am (*Hale & Oacoma Meeting Rooms*)

David Zenk, NGS – Instructor

A half day workshop discussing new accuracy standards for survey point data developed by the Federal Geodetic Control Subcommittee (FGCS), and point spatial data by the Federal Geographic Data Committee. The workshop explains the current FGCS accuracy standards, describes the new FGCS accuracy standards, and explains how NGS will classify and publish future survey data.

About The Instructor:

David Zenk is a Geodesist with NGS, serving as Geodetic Advisor in Minnesota. He holds BS Degrees in Civil Engineering and Mechanical Engineering from the University of Minnesota and a Master's Degree in Land Surveying from Oregon State University. He has served as adjunct faculty at the University of Minnesota Geography Department and at Saint Cloud State University Geography Department. He is a past Chair of the Minnesota GIS/LIS Consortium. He is licensed as a Registered Land Surveyor and Professional Engineer in the State of Minnesota.



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