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MEMBER — WESTERN FEDERATION OF PROFESSIONAL SURVEYORS

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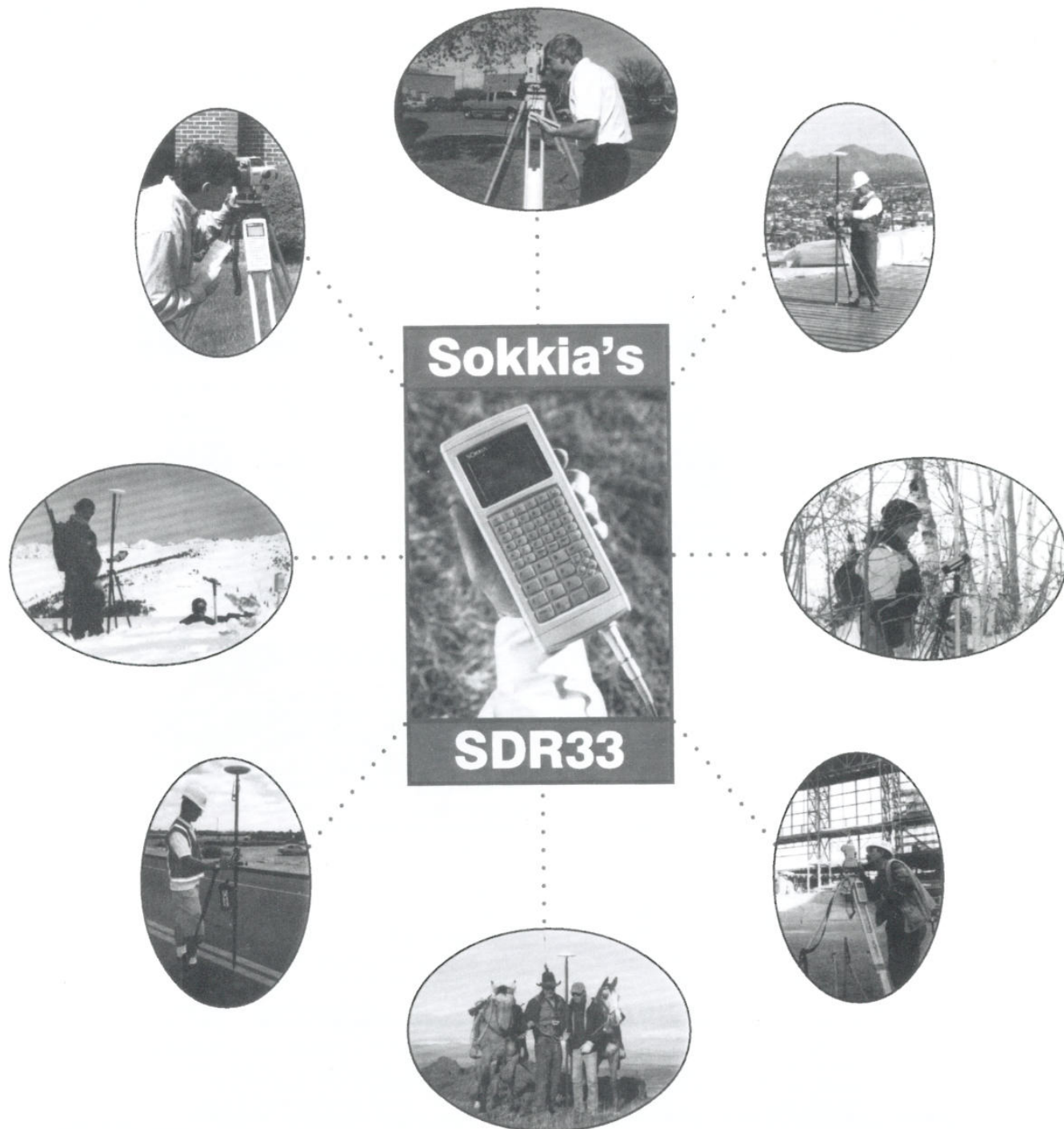
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2001 PLSW MEMBERSHIP APPLICATION PROFESSIONAL LAND SURVEYORS OF WYOMING

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CLASS OF MEMBERSHIP APPLIED FOR: (check one only and please submit dues with application, prorated for the remainder of the calendar year)

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AFFILIATE MEMBERSHIPS

☐ **Associate Member**, annual dues \$50. (Persons employed under the direction of a PLS and working toward PLS registration in Wyoming.)

☐ **Special Member**, annual dues \$50. (Not meeting above qualifications but with a particular interest in, or association with, the profession of land surveying.)

☐ **Special Member**, Student, annual dues \$15. (Pursuing a post secondary academic course of study, and currently enrolled.)

☐ **Sustaining Member**, annual dues \$100. (Persons, institutions or corporations desiring to assist PLSW financially.)

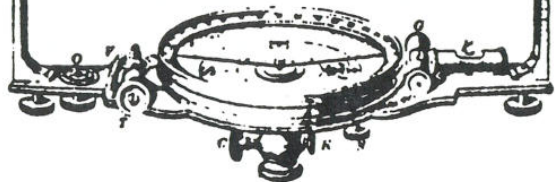
I AGREE TO OBSERVE THE CONSTITUTION AND BY-LAWS OF THE PROFESSIONAL LAND SURVEYORS OF WYOMING AND THE CHAPTER THEREOF TO WHICH I WILL BELONG AND TO SUPPORT SAID ORGANIZATIONS IN THEIR ENDEAVORS.

APPLICANT'S SIGNATURE

SPONSOR'S SIGNATURE
(For Affiliate Member applicants only.)

NOTE: All portions of the state have chapters. Chapter dues or assessments may vary in amount. Applications are considered by the board of Directors at quarterly meetings. Send completed application to PLSW, c/o Herbert W. Stoughton, Sec./Treas., 2821 Carey Ave., Cheyenne, Wyoming 82001.

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EDITORIAL POTPOURRI

O 2000 SOS COMPETITION WINNERS - The winners announced at the WES Convention are as follows:

First Place	Skylar V. Wilson	\$100
Second Place	Rick L. Hudson	\$ 50
Third Place	Paul A. Reid	\$ 25

O PLSW 2001 FALL TECHNICAL SESSION - The PLSW Education Committee has planned a technical session for December 6 & 7, 2001 at the Parkway Plaza Convention Center in Casper, Wyoming. Mark your calendars. More information will be presented as the date approaches.

O BOARD OF DIRECTORS MEETINGS 2001 - The 2001 Board of Directors meeting are as follows:

19 MAY 01	Casper, WY	Elkhorn Canyon Cafe
25 AUG 01	Casper, WY	
6 & 7 DEC 01	Casper, WY	Fall Tech Session

Contact your director for time and place. All are welcome.

O Visit our website at: www.plsw.org

O Lines & Points FAX - Our fax numbers are 307-235-5604 or 307-235-8184.

O Lines & Points E-MAIL - Contact dond@wlcwyo.com or johnhh@trib.com.

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PLSW (Professional Land Surveyors of Wyoming) is a statewide organization of Registered Land Surveyors licensed to practice in the Equality State of Wyoming. PLSW is dedicated to improving the technical, legal, and business aspects of surveying in the State of Wyoming. PLSW is affiliated with the American Congress on Surveying and Mapping and the Western Federation of Professional Land Surveyors.

Editorial Staff: John Hibsman, Steve Strang, Don Davis.

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Advertising Information

Camera ready advertisements with payment should be mailed to *Lines & Points*, PLSW, Box 904, Casper, WY 82602

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Wyoming HARN Densification Data Now Available

Mike Londe, Ph.D.

Geodesist, Information Management and Technology Group
Bureau of Land Management, Cheyenne, WY

The HARN Densification data is now available though the National Geodetic Survey web site, www.ngs.noaa.gov. By clicking on the link to FBN surveys and clicking on the Wyoming link one can access a list of stations and the data sheets. An alternative method would be to search for data links using the project number, 1397, and then downloading the sheets.

At a later date I will post the readjustment report and data on the WY BLM FTP site.

**Front Cover Artwork
by
James A. Flansburg,
Montana**

The **National Society of Professional Surveyors Foundation, Inc.** is a non-profit corporation whose mission is to promote educational, scientific and charitable activities in the field of surveying and mapping.

Over the years, surveyors have demonstrated with pride, a desire to support the preservation and development of the surveying profession both on the state and national levels. The **NSPS** Foundation needs your help and guidance now to enhance the profession nationally. All contributions are tax-deductible. THE FOUNDATION BOARD OF TRUSTEES SINCERELY APPRECIATES YOUR SUPPORT!!!

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PRESIDENT’S MESSAGE

To paraphrase Dickens from the Tale of Two Cities, “It was the best of times and it was the worst of times.” We find ourselves in a time which holds tremendous promise, and yet holds tremendous uncertainty and potential problems.

We can only need to look back over the last 30 years to find out how far we have come from our origins. 30 years ago I was running a one second theodolite and pulling a 300 foot chain to perform surveys for the game and fish commission. I had just been introduced to a Sharp electronic calculator. It would only add ,subtract, multiply, and divide. It would not carry decimals, if it over ran the capacity of the display, you had to divide the answer on the display by 10 until the display was back in range, by keeping track of the number of times that you divided, you then knew what your answer was. That sharp calculator only cost \$800.00. I was earning \$500.00 per month. Further, it hadn’t been that long before that I was running Lats and Deps on a Frieden calculator, and thought that I was at the pinnacle of sophistication.

Today I still retain and use my HP 41 CX, which was the latest in technology just a few years ago, and which the college kids and young engineers sneer at because it’s soooo out of date and unsophisticated. In contrast to yesterday, today we use the latest GPS system, survey controllers, lap top computers, cogo programs, CADD programs and digital photographs for record keeping for the survey. It’s impressive and unbelievable how far the tools available to the surveyor have come.

Tomorrow’s tools that are being promoted are even more fantastic and mind boggling. LIDAR (Light Distance and Ranging) technology promises to map even more accurately than conventional ground based surveying techniques, and will compete in the future for photogrametric mapping. Cyrax maps in more of a horizontal format to produce mapping of complex subjects from a remote location using something similar to Lidar technology. Subsurface mapping of subsurface features is being put into practice by the US Park Service and other archeological groups. The GPS system is going to be upgraded which will mean simpler, cheaper and yet more accurate tools with which to survey. Improvements in the CORS net work will allow differential surveying using the CORS stations.

Geographic Information Systems continue to command attention. The land surveying profession is likely to be drawn into GIS. The need for accurate property line, property corner and section corner positions is likely to require that land surveyors be involved in the development of coordinates for those areas to assure that suitable data is being used to develop the mapping data. Washington State has already established a data base as a repository data which supports and perpetuates the position of controlling survey corners. That work is also being begun in Wyoming.

The accuracy speed and resultant products of projects accomplished with these tools are and will be phenomenal. Surveying is becoming a truly scientific profession. The future looks exciting.

Yet for all of the promise that the future holds there are some issues of concern that tend to make me think that our profession is in danger of becoming extinct. Attendance at PLSW chapter meetings is generally down and in some cases non existent. The PLSW scholarship fund is going wanting for applicants. There

are currently 138 registered Land Surveyors and 134 Professional Engineers and Land Surveyors in the State of Wyoming. That’s one licensed surveyor for every 2000 people in the State. The problem is that there are only 33 land surveyors in training registered with the State Board of Examining Engineers and Surveyors. It would appear that we are not generating enough interest in the surveying profession to entice young people into the field of surveying.

These problems appear to not be limited to The Professional Land Surveyors of Wyoming. As I’m sure that you have, or will hear very shortly; the NSPS and ACSM are making a pitch for all state surveying organizations to have a required membership in those organizations. It appears to me that the recent restructuring of ACSM has left a situation where those organizations feel that they cannot say that they represent a majority of surveyors in this country. That situation has considerable impact on the organizations to lobby in favor of surveyors.

Some insight into the problems facing our profession is illustrated by two interesting articles in the latest issue of Lines and Points . The first article is more about the future of surveying, and about the tools that will likely be available to us in the future. The other article in mind is a letter to the Kentucky Association of Professional Land Surveyors from the fiancée’ of a recently licensed surveyor and their expectations about the beginning of his professional life. The bottom line is that she was disappointed in the way the profession conducted itself. She may have had unrealistic expectations, however the article caused me to stop and question: what is that we expect of our profession? Where is it that we expect our profession to go? What path ahead do we wish to take? More importantly; where do you want to see our profession go? What do you want to see our profession be?

Here then, we come to my agenda. My agenda is outlined in the following four items:

- 1) The president’s office is created to serve the Membership
- 2) The president should lead the direction of the organization.
- 3) The president should develop a plan to achieve that direction.
- 4) The president should start the implementation of that Plan.

However, having said that, this is a partnership. I need your involvement. I need your input. Without you I fail, worse, the organization fails.... and dies.

Call me, write me, email me, I need your input and direction. Thank you.



Gard Talbot
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Land Survey Review Manual, 3rd Edition

THIS MANUAL IS THE BEST STUDY GUIDE ever published for land licensing examinees, a thorough reference for practicing surveyors and an essential educational tool for academic instructors, seminar leaders, and students. Every important topic is covered in detail, and the information is presented in a manner that helps you learn land surveying fundamentals, while teaching about practical field application. Hundreds of real-world sample problems are presented — explanations and solutions are provided.

The topics covered embrace the subject matter tested on the national (NCEES) Fundamentals and Principles and Practices of Land Surveying exams, and much of what is likely on most state surveying licensing exams. Multiple-choice questions follow the review of each subject. At the end of each chapter, these questions and problems are explained and/or solved.The explanations often have additional teaching points.A unique feature is discussion of many of the “logical distractors” in the multiple-choice questions.The purpose of this is to develop skills in analyzing multiple-choice questions as well as provide additional teaching points.

Chapter 1 reviews basic mathematics and other surveying concepts. Chapter 2 reviews mathematics as applied to surveying practice. Chapter 3 reviews field measurements, practices, and instrumentation. Chapter 4 reviews several technical applications of surveying. Chapter 5 reviews most of the topics the professional property surveyor and boundary analyst encounters. Chapter 6 covers the land subdivision and platting process. Appendix A reviews the NCEES exam format. Appendix B explains how to read and analyze multiple-choice questions and prepare for and take exams.Appendix C is a list of references, most having brief annotations to guide the reader in selection.The exam-taking aspect, as well as the practical aspects of surveying are emphasized at every opportunity in the text.

CONTENTS

BASIC SURVEYING AND MAPPING CONCEPTS Geometry of the Earth Surveying Related Mathematics Units and Scales Angles and Directions Corrections and Errors Contours and Mapping Miscellaneous Concepts and Terms Solution and Discussion of Questions	APPLICATIONS OF SURVEYING Engineering and Construction Surveys Geodetic Control Surveys Topographic Surveys Hydrographic Surveys Mine and Underground Surveys Solution and Discussion of Questions
SURVEYING COMPUTATIONS Traverse and Coordinate Calculations Basic Triangulation Route Surveying Calculations Area Calculations Plane Surveying Situation Problems Calculations for the Meridian State Plane Coordinate Calculations Earthwork Calculations Photogrammetric Calculations Statistical Calculations for Error Analysis Solution and Discussion of Questions	BOUNDARY LAW AND PROPERTY SURVEYS The Land Surveying Profession Concepts Related to Real Property Land Survey Systems Descriptions and Plats Boundary Establishment Methods Boundary Retracement Concepts Boundary Retracement Principles Land Surveying Practices Preservation of Land Survey Evidence Solution and Discussion of Questions
MEASUREMENTS AND FIELD TECHNIQUES Field Surveying Procedures Surveying Instruments Linear Measurements Angle Measurements Direction Measurements Traversing and Field Control Leveling Measurements Tacheometric Measurements Miscellaneous Field Operations Solution and Discussion of Problems	SUBDIVISION OF LAND Land Subdivision and Platting Subdivision Design Principles/Standards Engineering Aspects of Land Subdivision Solution and Discussion of Questions APPENDIXES: A.THE NCEES EXAM SYLLABUS AND FORMAT A- 1 Development of the Exams A-2 Format and Content of the Exams A-3 Examination Standards/Policies B. PREPARING FOR & TAKING EXAMS B- 1 Question Styles and Formats B-2 Analysis of Questions B-3 Preparation for an Exam B-4 Taking an Exam C. SUGGESTED REFERENCES INDEX

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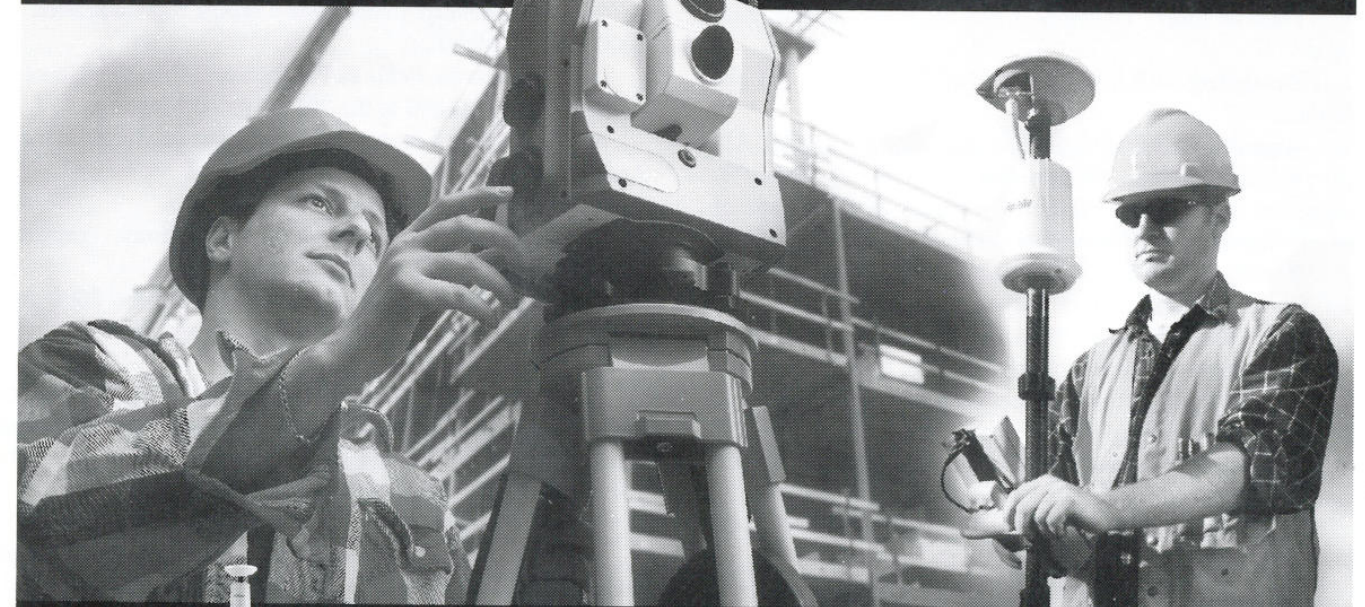


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DRAFT
Professional Land Surveyors of Wyoming
Board of Directors Meeting Minutes, 1 February 2001

1. The Board of Directors' Meeting of the Professional Land Surveyors of Wyoming.
 - a. **Location:** Casper, Wyoming, at the *Parkway Plaza*.
 - b. **Date & Time:** Thursday, 1 February 2000 at 4:10 p.m. M.S.T.
 - c. **Presiding Officer:** Mr. S. Dennis Dawson, P.L.S., President.
2. **Agenda:** The final agenda is appended [Appendix A].
3. **B.O.D. Minutes:** Motion was made by J.B. Jones/W. Fehringer to approve the corrected minutes of the Board of Directors' meeting of 11 November 2000 at Casper. Approved.
4. **Treasurer's Report:** The financial reports presented at the 2000 Annual Meeting were unchanged.
5. **President's Report:** No report.
6. **Committee Reports:**
 - a. **Audit-Finance Committee** - report was submitted at the 2000 Annual Meeting.
 - b. **Bylaws Committee** - report was submitted at the 2000 Annual Meeting.
 - c. **Convention Committee** - report was submitted at the 2000 Annual Meeting.
 - d. **Education Committee** - report was submitted at the 2000 Annual Meeting.
 - e. **History Committee** - report was submitted at the 2000 Annual Meeting.
 - f. **Legislative Committee** - report was submitted at the 2000 Annual Meeting.
 - g. **Lines & Points** - report was submitted at the 2000 Annual Meeting.
 - h. **Manual of Professional Practice** - report was submitted at the 2000 Annual Meeting.
 - i. **Membership Committee** - motion was made by J.B. Jones/D.A. Davis to accept the following applications for various membership categories: Members: Jon L. Anderson P.E./P.L.S. (WYDOT) and Thomas A. Johnson [PLS No. 8972 - Apex Surveying, Inc.] Associate Member: Basil W. Moore [Benchmark of Torrington]; Seth K. Thompson [Benchmark of Torrington]; Jeremy N. Grooms [Benchmark of Torrington]; Paul R. Svenson [Worthington, Lenhart & Carpenter, Inc.]; Corey D. Declue [Worthington, Lenhart & Carpenter, Inc.]; Gregory R. Meinecke [Holm, Blough & Co.]; Donna Malleck [USDI/BLM]; and George J. Dale, S.I.T. [PSA Engineering]; and Special Member: Lola Cazier [BLM retired]; Bradley D. Neumiller [Worthington, Lenhart & Carpenter, Inc.]; K. Jess Thiel [Rio Algon Mining Corp.]; and James L. Ballard [Rio Algon Mining Corp.]. Motion carried.
 - j. **Nominations & Elections Committee** - report was submitted at the 2000 Annual Meeting.
 - k. **P.L.S.W. Handbook:** - report was submitted at the 2000 Annual Meeting.
1. **Professional Awards Committee:** - report was submitted at the 2000 Annual Meeting.

- the 2000 Annual Meeting.
- n. **S.O.S. Committee** - report was submitted at the 2000 Annual Meeting.
 - o. **Scholarship Committee** - report was submitted at the 2000 Annual Meeting.
 - p. **Standards, Ethic & Professional Practice Committee** - report was submitted at the 2000 Annual Meeting.
 - q. **Trig-Star Committee** - report was submitted at the 2000 Annual Meeting.
7. **Delegate Reports:**
- a. **ACSM-NSPS Board of Governors** - report was submitted at the 2000 Annual Meeting.
 - b. **West Fed** - report was submitted at the 2000 Annual Meeting.
8. Old Business:
- a. PLSW items (caps, pins, etc.) for sale. Some responses had been received. Other responses were elicited at this meeting. Kevin Jones will rework the problem. It was agreed that a composite listing would appear in *Lines & Points*.
9. New Business:
- a. The members of the Central Chapter have discussed the possibility of forming two separate chapters, because of the geographic separation by the mountains. The procedure was discussed. The membership plan to submit a petition for the formation of the two chapters at the May 2001 Board of Direction meeting. No action was required at this time.
 - b. The matter of NSPS restructuring was discussed. The issues raised by the Northwest Chapter were:
 1. Does PLSW lose any autonomy as a state organization?
 2. Have their been consideration of the potential loss of dues to the state organization because of membership enrollment declines, because some members will not endorse the restructuring.
 3. Does NSPS have a plan for professional development activities on a regional basis, rather than on a national basis.
 4. How does NSPS plan to address the matter of the national portion of dues payment when an individual is affiliated with several state organizations who are in the NSPS restructured program. Will the dues payment be a fixed amount for every grade of membership [today, there is a graduated dues structure for various grades]?
10. **Announcements:**
- a. The dates of the remaining Board of Directors' meetings are:
 1. Saturday; 19 May 2001; Casper; 10:00 a.m. M.D.T.; location to be determined.
 2. Saturday; 25 August 2001; Casper; 10:00 a.m. M.D.T.; location to be determined.
 3. Friday; 9 or 16 November, in conjunction with the 2001 Fall Technical Session; Casper; 12:30 p.m. M.S.T.; Parkway Plaza.
11. **Adjournment:** Meeting was adjourned at 5:05 p.m.,

Martin James Olson

April 5, 1954-November 16, 2000
Martin James Olson, 46, of Evanston, passed away Nov. 16, 2000, peacefully following an admirable fight for life.
Martin was born on April 15, 1954, in Ogden, Utah, to Loyal Farnum and Marian (Jensen) Olson.
He grew up and attended schools in Bountiful, Utah, and later moved to Evanston.
Martin worked very hard in the land surveying business, learning it well, to become the proud owner of his own business, Olson Land Surveying, surveying across the western United States, including Alaska. He was licensed in Wyoming, Utah, Nevada and Arizona.
Martin was an avid hunter, hiking for miles upon miles to do an old fashioned hunt.
He loved camping in remote areas, enjoying the solitude and peace of nature unspoiled by mankind.
Martin married Celeste Brown on April 1, 1992, and they were constant companions since the day they met.
He is survived by his loving and devoted wife, Celeste of Evanston; his father Loyal Farnum of Bountiful, Utah; stepsons, Curtis and Jason Alldredge of Ogden, Utah; brother, Loyal Doran (Leslie) Olson; sisters, Diane Olson and Marneen (Steve) Olsen all of Centerville, Utah; and his nieces and nephews. He was preceded in death by his mother, Marian Jensen Olson.
Graveside services were held Monday, November 20, 2000, at the Evanston City Cemetery.
Editor's Note: Martin was a member of PLSW, LS. 5530.

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James H. Thompson

CASPER - Graveside services for James H. Thompson, 89, were held at Highland Cemetery with the Rev. Frank Kinney of First Presbyterian Church officiating.
He died March 27, 2001, at Central Wyoming Hospice Home in Casper.
He was born Feb. 22, 1912, in Rapid City, S.D., the son of Danish immigrant parents, James H. Thompson and Sara Anine (Ibsen) Thompson.
He graduated from Rapid City High School in 1930 and attended Black Hills School of Mines.
After moving to Casper, he worked at the U.S. Geological Survey.
He served in the U.S. Navy as a SeaBee during World War II in the South Pacific.
He married Mildred Irene George in Jackson on Feb. 8, 1942.
He retired from the Bureau of Reclamation after 35 years as an engineer. He then retired from the state of Wyoming Game & Fish Department and was also a registered professional land surveyor.
He was always an avid fisherman and golfer. He loved all animals. Everyone who knew him loved to hear him play the piano. He was especially talented musically and could play any song requested by ear and with great feeling. He could play most any musical instrument and also played the accordion.
He was a member of the American Legion, VFW, Eagles and was a lifetime member of the Elks.
Survivors include three daughters, Janet Dawson, Jean Grovum and Connie Reeder, all of Casper, six grandchildren and one great-granddaughter, two nieces and two nephews.
He was preceded in death by his wife, his parents and two brothers, Thomas I. Thompson and Kenneth E. Thompson and an infant son.
Memorials may be made to the Central Wyoming Hospice Home, 319 S. Wilson, Casper 82601 or the Casper Humane Society, and may be left at Bustard's Funeral Home and Crematory.
Editor's Note: James was Wyoming PE/PLS 691.

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Thank You, Dennis

Washington Group Infrastructure Services
Attn.: Mr. William D. Greene, P.E.
5920 Yellowstone Road, Suite 1
Cheyenne, Wyoming 82009

Dear Mr. Greene:

This letter is written to inform you of excellent volunteer professional work performed by S. Dennis Dawson, P.L.S. Mr Dawson and I have known each other for many years, and when he owned Cornerstone Surveying, I would assist him with civil engineering and land surveying work. Currently, I teach surveying and Head of the Surveying and Mapping Program at Metropolitan State College of Denver. For the last two years, Dennis has volunteered a fall Saturday to assist me in teaching a surveying laboratory dedicated to construction surveying. Three student laboratories [courses: Surveying II; Construction Surveying for Civil Engineering Technology majors; and Route Surveying] assemble to perform the survey stake out of a building (residential/light commercial) and a horizontal circular curve.

Dennis commences the laboratory with a short lecture on technical and professional aspects of construction surveying. This year we performed the laboratory on 14 October.

After both laboratories, the students have informed me that they found Dennis' talk, demonstration, and laboratory exercises very informative. Even those students who have construction surveying experience have told me that they found his techniques and information worth the class time.

On behalf of the students, I would like to express my

appreciation that Dennis was able to assist in the MSCD Surveying and Mapping Program.

Sincerely,

Herbert W. Stoughton, Ph.D., P.E., P.L.S., C.P.
Head, Surveying and Mapping Program
Metropolitan State College of Denver

Fall Technical Session Status

I would like to submit, for your review, the schedule of events for the 2001 Fall Technical Session. Unfortunately the dates in November, requested by the board in an earlier letter to me, were not available at the Parkway Plaza. Rather than trying to find another location that suited our needs, I felt that it would be better to move the event back several weeks.

Location: Parkway Plaza, Casper, Wyoming

Date & Time: Thursday, December 6, 8:00 - 12:00 and 1:00 - 5:00 Friday, December 7, 8:00 - 12:00

Speakers: Marlin (Lin) Livermore and Clifford (Skip) Robinson

Both Lin and Skip are retired BLM Cadastral Surveyors with many years of experience in the land surveying profession and have been doing consulting/public speaking since retirement several years ago. Lin mentioned that he has presented his topic, "Why Does the Manual Say That", to over six hundred surveyors in the past fifteen months and will be giving the same presentation at the ACSM Conference in Las Vegas this year.

Subjects: Thurs. - "Independent Resurveys, Why Does the Manual Say That"; Fri. - "Why Does the Manual Say That", cont.

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DRAFT

Professional Land Surveyors of Wyoming 2001 Annual Meeting Minutes

1. The Annual Meeting of the Professional Land Surveyors of Wyoming, Inc.
 - a. Location: Casper; *Parkway Plaza*.
 - b. Date & Time: Thursday, 1 February 2001, at 1:15 p.m., M.S.T.
 - c. Presiding Officer: Mr. Jeffrey B. Jones, P.L.S., President
2. Agenda: The proposed agenda was modified and accepted. The final agenda to the official minutes [Appendix A].
3. Introductions:
 - a. President Jones introduced the 2000-2001 PLSW officers.
 - b. President Hudson introduced PLSW Honorary Member Wesley W. Reed.
 - c. President Jones introduced Mr. Clint Gregory from South Dakota.
4. In Memoriam: President Jones asked for a moment of silence in memory of Robert Holmes Westerfield (PLSW member); John R. Thorpe (PLSW special member); William Eugene Dickson (Wyoming PLSW); Walter I. Pilch (Wyoming PE&PLS); Carl Prestfeldt (father of PLSW member Ronald W. Prestfeldt); and Mary M. Hutchison (mother of PLSW member and past president Peter I. Hutchison) [Appendix B].
5. Last Call for Sealed Ballots: Scott R. Pierson, Chairman, Tellers Committee.
6. Minutes of the Annual and Board of Directors' Meeting in 2000:

a. Motion/second by Becky J. Branian/John A Steil to approve the minutes for the PLSW 2000 Annual Meeting (3 February 2000). Motion passed [Appendix C].

b. Secretary/Treasurer Stoughton presented the approved minutes for the February, May, and September 2000 and the draft minutes of the November 2000 Board of Directors meetings. No membership action required [Appendices D, E, F, and G].

7. President's Report: President Jones welcomed the attendees and listed several accomplishments and issues. He stated that the scholarship investment program had been implemented; ACSM/NSPS Trig Star had been active; the *Fall Technical Session* for 2000 was not held because the four-state *Big Sky Conference* had been held; and that the PLSW web page was 'up and running'. President Jones noted that several chapters were not meeting in accordance with the bylaws, and he noted that the chapters were the "back bone" of the organization providing a line of communication between the general membership and the Board of Directors. He noted the following PLSW members who were now registered land surveyors in Wyoming: Edward M. Reading, PLS 8904; Thomas A. Johnson, PLS 8972; Jeffrey A. Genzel, PLS 9006; David C. Lee, PLS 9007; and Michael J. Gronski, PLS 9063. President Jones thanked the membership and the Board of Directors for their efforts during his tenure as president.

8. Secretary/Treasurer's Report:

a. Secretary Stoughton requested that the Chapters submit the names of the 2001 officers.

b. The Statement of Income was presented [Appendix H].

c. The Statement of checkbook activities was presented [Appendix I].

d. The Statement of Investments was presented [Appendix 1].

9. 2001 Budget: Secretary/Treasurer Stoughton presented the 2001 Budget which was approved at the PLSW Board of Directors' meeting of 11 November 2000. Motion/second by Chris A. Hamilton/Don A. Davis to accept the submitted budget. Motion approved.

10. Committee Reports: [Appendix L, except as noted]

a. *Audit - Finance*: John P. Lee [Past President once removed].

b. *By-laws*: John I. Dolinar.

(Continued on page 8)

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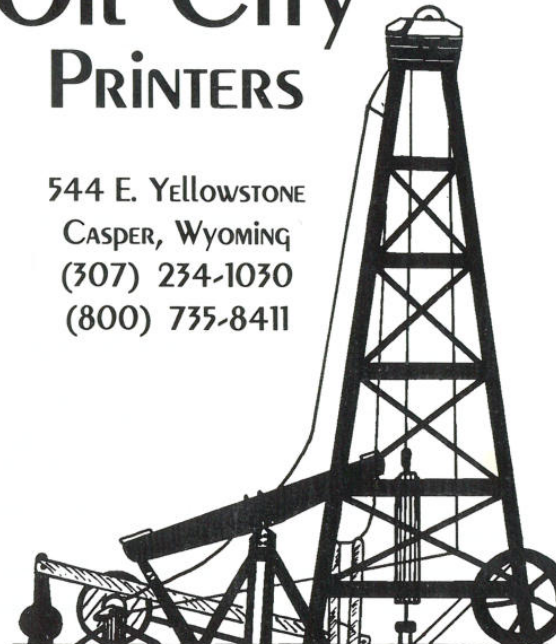
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(Continued from Page 7)

- c. *Convention*: Don A. Davis.
- d. *Education*: Joel T. Ebner.
- e. *History*: Herbert W. Stoughton.
- f. *Legislative*: John A. Steil [Appendix M].
- g. *Manual of Professional Practice*: Donald W. Oakley.
- h. *Membership*: Stanton J. Abell, Jr. and Herbert W. Stoughton.

1. *Newsletter - Lines & Points*: Don A. Davis, John H. Hibsman, Jr., and Steven I. Strang.

j. *Nominations and Elections*: Peter I. Hutchison, John P. Lee, and Rick L. Hudson [most recent three past presidents].

k. *PLSW Handbook*: Herbert W. Stoughton, Secretary/Treasurer.

1. *Professional Awards*: Jeffrey B. Jones - to be announced later in the meeting.

m. *Public Relations*: Larry T. Perry.

n. *S.O.S. [Corner Record Honorarium]*: Paul A. Reid.

o. *Scholarship*: Martin A. Pedersen.

p. *Standards, Ethics, & Professional Practice*: Paul R. Campbell.

q. *Trig Star*: Joel T. Ebner.

r. *Allen Mace Memorial Scholarship Raffle*: Chris D. Hamilton.

s. *Big Sky 2000 Conference*: Kevin D. Jones.

t. *Corner Record & Cross Index Plat*: Rick L. Hudson.

11. Delegate Reports:

a. *ACSM National Society of Professional Surveyors*: William D. Braman, Governor. In Bill's absence, NSPS Area 7 Director, Becky I. Braman, listed the activities and program sponsored by NSPS. She also reported that there is an initiative to have state society members pay higher dues whereby they would also be members in NSPS. This matter will be discussed later in the Annual Meeting.

b. *Western Federation of Professional Surveyors*: Paul A. Reid, delegate. After each WesLFED Directors' meeting, a report is submitted and published in *Lines & Points*. The annual report was submitted [Appendix N].

12. Old Business:

a. *PLSW Investment Policy*: Herbert W. Stoughton. Secretary/Treasurer Stoughton reminded the members that Sections 1 through 12, inclusive, of the policy was approved at the 2000 Annual Meeting. He had been directed to contact the NSPS Foundation, Inc. and discuss Section 13, and, in the event PLSW ceased to exist, would the NSPS Foundation, Inc. oversee the investment program and disburse scholarship monies in

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accordance with the PLSW directives. A letter was received from Joseph M. Dolan, Chairman, NSPS Foundation, Inc. stating that there was no conflict with the NSPS Foundation, Inc. policies and procedures. Furthermore, Section 13 was not in conflict, and that if the event PLSW ceased to exist, a separate account would be established and a small administrative fee would be charged. Motion/second by Herbert W. Stoughton/John A. Steil to adopt the PLSW Investment Policy, including Section 13. Motion passed. [Appendix O].

b. *Retired/Deceased Surveyors Directory*: Martin A. Pedersen. No report.

c. *PLSW Home Page*: Richard W. Greenwood and Skylar V. Wilson. It was announced that the home page was operating at plsw.org.

13. Presidential Citations: President Jones awarded the following citations:

a. Linda M. Abell, special member, for organizing an exhibition of the history of early surveying in Wyoming at the Washakie Museum in 2000. The PLSW Board of Directors met in Worland for the opening of the exhibition in May 2000.

b. Kevin D. Jones, member, for representing PLSW in the preparation and implementation of the *Big Sky 2000 Conference* in April 2000.

14. Election Results: Scott R. Pierson, Teller, announced that the winners of the election were: S. Dennis Dawson, President; Don A. Davis, Vice President; and Herbert W. Stoughton, Secretary/Treasurer.

15. Installation of 2001 PLSW Officers: Becky J. Braman,
(Continued on Page 9)

Blue Book, Who Me!

"Input Formats and Specifications of the National Geodetic Survey (NGS) Data Base," commonly called the "Blue Book," is a user's guide for preparing and submitting geodetic data for incorporation into NGS' data base. Survey data that are entered into NGS' data base become part of the National Spatial Reference System (NSRS), formerly the National Geodetic Reference System. The Blue Book comprises three volumes: Volume I covers classical horizontal geodetic and Global Positioning System (GPS) data, volume II covers vertical geodetic data, and volume III covers gravity data.

The formats and specifications are consistent with the aims of the Executive Office of the President, Office of Management and Budget's (OMB) Circular A-16, as revised in 1990. A major goal of the circular, which is titled "Coordination of Surveying, Mapping, and Related Spatial Data Activities," is to develop a national spatial data infrastructure with the involvement of Federal, state, and local governments, and the private sector. This multilevel national information resource, united by standards and criteria established by the Federal Geodetic Control Subcommittee (FGCS) of the Federal Geographic Data Committee (FGDC), will enable the sharing and efficient transfer of geospatial data between producers and users.

Survey data that are submitted to NGS for incorporation into NSRS should be properly formatted and supply minimum accuracies of:

First-order horizontal accuracy standards for GPS and conventional horizontal surveys;

Second-order, class II vertical accuracy standards for conventional leveling;

Third-order gravity standards for gravity surveys.

At this time, NGS provides review, archiving, and distribution functions free of charge for survey data submitted in the proper format. These surveys must contain connections to NSRS in accordance with FGCS Standards and Specifications and they must contribute to the public good.

Previously, when the Blue Book guidelines were updated every 2-to-5 years, a new version was published and distributed to users upon request. This was a slow and expensive process for

Letter to the Editor

Good Morning!

Was interested to find in your publication a reprint of the KAPS article from March, 1999. Although some level of quietude exists in Kentucky at the moment, there are still some "hotspots" over the article. I would appreciate reading whatever comments, if any, your readers make.

I like the style and format of your publication and plan to do something similar with *The Interior Angle* in the next year. It shows a lot of class and effort on your behalf.

John A. Harrison, PLS
President, Kentucky Association of Professional Surveyors
Editor, *The Interior Angle*

our organization. But, with current Internet technology, NGS can now more easily keep the Blue Book up-to-date by making additions and corrections to the existing version on the NGS web site as needed.

Thus, all future additions, corrections, and/or updates to the Blue Book will only be available from the NGS Web Site. To access this information from www.ngs.noaa.gov, under **Project and Division pages**: click on **FGCSfGL4C**; click on **Publications and Presentations**; then click on **Input Formats and Specifications of the National Geodetic Survey**.

The current revision with the most impact on the FGCS guidelines is a change to the description format used in the Blue Book. This change is as follows:

The WDDPROC software package (D-FJLE format) written by Janet Mencher, NGS, is now available on the NGS Web Site. The new D-FILE (description file) formats and the nine chapters of the Description Processing Handbook replace the unified format and Chapter 3 text of the published Blue Book, revised in November 1998. Although this change is effective immediately, NGS will continue to accept description files previously coded in the old unified format to allow for projects nearing completion. The package of programs above was written to create, modify, and work on the new D-FILE format.

To access this information from www.ngs.noaa.gov: click on **PC software**; click on **DDPROC**; then click on **DDPROC (Version 4.00)**.

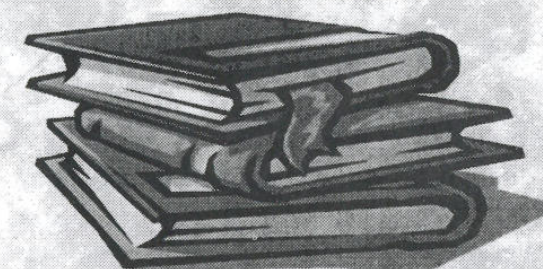
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—ANNUAL MEETING

(Continued from Page 8)

ACSM/NSPS Area 7 Director, installed the officers and directors of PLSW.

16. Seating of New Officers and President's Inaugural Address: The new officers were seated, and S. Dennis Dawson addressed the membership about the 2001 PLSW program. This address will be published in *Lines & Points*.

17. New Business:

a. *Survey Control Database*: John P. Lee. There has been an informal discussion concerning development of a survey control data base. An effort is now underway to develop generic survey control data bases. The resulting discussion endorsed the concept and requested that PLSW follow the discussions and report to the general membership. No formal action required.

b. *NSPS and state organization restructuring*. NSPS has entered into agreements with three states for combined membership if then state organization and the NSPS. These states are New Jersey, Alaska, and Nevada. The chapters were requested to review this matter. Only the Northwest Chapter provided information. Motion/second by John A. Steil/Jeffrey B. Jones that: PLSW Board of Director have the authority to act on behalf of the PLSW membership to investigate and determine if PLSW should or should not pursue joint membership in NSPS. The ensuing discussion stated that the Board of Directors did not have the authority to enter into an agreement with NSPS, but to determine what are the benefits and shortcomings of the course of action and to report to the general membership. Motion passed.

18. Announcements:

a. The first PLSW Board of Directors' meeting for 2001 would follow immediately after conclusion of the Annual Meeting.

b. Chris Hamilton announced the *Lines & Points* and Allen C. Mace Memorial Scholarship raffles would be combined into a single event. The proceeds would be distributed to the two PLSW activities.

19. Adjournment: Motion/second by Becky I. Braman/Lloyd B. Baker to adjourn Motion passed.

Respectfully submitted,
Herbert W. Stoughton
Secretary/Treasurer

Letter of Appreciation

To: Ms. Dale I. Bowers and Messrs. S. Dennis Dawson and David Hull

I would like to take this opportunity to again express my appreciation for your volunteering to assist me in teaching the surveying and mapping laboratory sessions in September and October 2000. Several students have expressed their appreciation for the assistance and knowledge you imparted. These students felt that your information served to reinforce the professional and technical matters I presented in the classroom. It is only through efforts of individuals like you that we can make the Program grow and improve.

Again, thank you for everything you have done for the MSCD Surveying and Mapping Program.

Herbert W. Stoughton, Ph.D., P.E., P.L.S., C.P.
Head Surveying and Mapping Program

WYDOT Announces New Appointments

CHEYENNE — Michael J. Miller, Michael V. Miller and Joel Peckham have moved to new positions in the Wyoming Department of Transportation's right-of-way program here.

Michael J. Miller, a 22-year employee, has been named lands management manager. He started his career in 1978 as a negotiator and has served in several appraiser positions since.

Michael V. Miller is the program's new property management supervisor. He has been with the department 29 years, 21 of them as a land management representative in right-of-way.

Peckham is the program's new acquisition services supervisor, replacing Bernie Finch, who retired after 30 years with the department. Peckham has served as a negotiator for 23 years.

Reprinted from the Wyoming Tribune-Eagle

Frazier, Spear Earn Promotions at WYDOT

CHEYENNE — Jeffrey Frazier, as 12-year employee, became the Wyoming Department of Transportation's new surveys engineer in the photogrammetry and surveys program.

Frazier spent the past four years as the construction program's resident engineer in Sheridan.

Frazier replaces Ken Spear, who moved to the department's contracts and estimates program as principal engineer for estimates.

Spear has been with WYDOT for eight years, working in project development for six years before taking the surveys engineer position. He came to the department after 20 years in the highway construction business in the private sector.

Reprinted from the Wyoming Tribune-Eagle

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