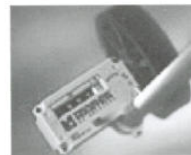


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VOLUME 14, NO. 4

JANUARY 2003



W.P.L.S.W.



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☐ APPROVED BY BOD ☐ REJECTED BY BOD SEC./TREAS. _____ DATE _____

2003 PLSW MEMBERSHIP APPLICATION PROFESSIONAL LAND SURVEYORS OF WYOMING

AFFILIATE — AMERICAN CONGRESS ON SURVEYING AND MAPPING
MEMBER — WESTERN FEDERATION OF PROFESSIONAL SURVEYORS



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EMPLOYER: _____ YOUR TITLE: _____

States other than Wyoming in which you are registered: _____

Additional information or comments (optional): _____

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

☐ **MEMBER**, ANNUAL DUES \$75 (Persons duly registered, PLS or PE&PLS in Wyoming.)

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. Staughton, Sec. I

Professional Land Surveyors of
Wyoming

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Sec./Treas.: Becky E. J. Braman
P.O. Box 7010
Jackson, Wyoming 83002

EDITORIAL POTPOURRI

O NEW MEMBERS OF PLSW - The Board of Directors announced the approval of the following mew members:

Heide Pfosch	Member	Billings, Mt
Chris Asbury	Member	Casper, WY
Rob Butler	Member	Arvada, WY
James Hanlon	Member	Gillette, WY
Frank Grimes	Member	Jackson, WY
David Anderson	Associate Member	Worland, WY
Joe Martinez	Associate Member	Worland, WY
Jeffrey Conley	Associate Member	Gillette, WY
Matt Kurchinski	Associate Member	Jackson, WY
Matt Neuner	Associate Member	Jackson, WY
Jon Patterson	Associate Member	Jackson, WY
Levi Williams	Associate Member	Gillette, WY

Congratulations and welcome.

O BOARD OF DIRECTORS MEETINGS - The next board meeting will be held at the 2003 WES Convention in Cheyenne.

Contact your director for additional information. All are welcome.

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.

O PLSW KEY RINGS - The South Central Chapter has key rings and pins for sale. Contact the South Central Chapter or Lines & Points.

PLSW Paraphernalia

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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.

Lines and Points subscription \$50/year

Advertising Information

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

Advertising rates are as follows:

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Full page	\$300	\$80
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Special Rates for PLSW Chapters

Deadline for next issue — 15 MAR 03

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DRAFT
Professional Land Surveyors of Wyoming, Inc.
Board of Directors' Meeting Minutes, 15 November 2002

The Board of Directors' Meeting of the Professional Land Surveyors of Wyoming.

- a. Location: *Parkway Plaza Motel*; 123 West E. Street; Casper.
- b. Date & Time: 12:36 p.m. MST.
- c. Presiding Officer: Mr. S. Dennis Dawson, P.L.S., President.

Agenda: The final agenda is appended.

B.O.D. Minute: Motion by Jones/Krum to approve the corrected minutes of the Board of Directors' meeting of 24 August 2002. Approved.

President's Report:

- a. The fund raising project *Grenville Dodge and Party at the Gangplank* {aka "Surveying the Gangplank"} by Dave Paulley (1986) has been printed and signed by the artist. Orders are now being taken. Dr. Stoughton's copy was displayed at the Fall Technical Session and orders for fifteen prints were received. A framed copy (No. 30) has been sent to WestFED for the 2003 scholarship fund raising.

Secretary's Report: No special activities.

Treasurer's Report: The financial reports were distributed. Motion by Blough/Hatle to approve the submitted financial reports. Approved.

- a. Checking account.
- b. Income.
- c. Investments:
 1. Current value: \$36,029.16.
 2. Account value on 30 September: \$35,939.93.
 3. Change in account value for October: \$+89.23.
 4. Change in account value year to date: \$ -353.82
- d. 2003 Budget was deferred until after the ACSM Delegate's report.

Committee Reports:

- a. Audit-Finance Committee: report at the Annual meeting.
- b. Bylaws Committee: no report.
- c. Convention Committee: The PLSW Southeast Chapter is the lead organization in the surveying portion of the program. WES Vice President John A. Steil has requested that PLSW sponsor the Casino Night, Thursday evening, 6 February. PLSW would share in the profits. All Chapters were requested to obtain donations for door prizes, etc. for the event. Motion by Forbes/Fehring for PLSW to assist the Southeast Chapter and provide 25 percent of the funds received to the Southeast Chapter account for the Casino night with the remainder of the funds to be invested in the PLSW Scholarship Fund. Motion passed.

d. Education Committee: One hundred twenty-five individuals attend the *2002 Fall Technical Session*. The dates 13 and 14 November 2003 have been reserved for the *2003 Fall Technical Session*.

- e. History Committee: no report.
- f. Legislative Committee: no report.
- g. *Lines & Points*: The October 2002 issue (V. 14, No. 3) was mailed during the week of 10 November.
- h. Manual of Professional Practice: It was reported that most

of the chapters have been revised. It is the intention of the Committee to have computer diskettes in WORD and PDF formats for the PLSW members at the 2003 Annual Meeting.

(Continued on Page 5)

President's Message

This message will be the last of my thoughts to appear in Lines and Points during my tenure as President of the Professional Land Surveyors of Wyoming. I regard this passing with some wistfulness as I have enjoyed my time in the office of President. As one always does, I began my tenure with great hopes and expectations. I had the hope that we could make a large difference in the surveying profession in Wyoming. I have fallen woefully short of my hopes and expectations in accomplishing great things for the organization, but the personal benefits and enjoyment far exceeded what I expected. It has been a pleasure to serve as your President.

For that reason, I would encourage all of you reading this to serve in your chapters and in the state organization as board members and officers. The benefits will accrue to the organization; but further, they will accrue to you. I would challenge all of you to improve on the wonderful organization that we have.

As I turn the Presidency over to Don Davis, I pledge my help to him as past President and wish you all the very best in the year 2003.

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Ari Silkey, 2002 Fall Tech Session Presenter.

REPRINTED MAP SOURCES OF SNAKE RIVER

SNAKE RIVER EXPEDITION –
JAMES STEVENSON, DIRECTOR

The Northwest Chapter has reprinted, from an old (perhaps first printing) lithograph found in a cabin west of Cody, the map of the Hayden - Stevenson expedition and survey of Jackson Hole, Yellowstone National Park and surrounding vicinity. The map shows the campsites of the expedition, from July 12th, 1872, at Fort Hall, Idaho Territory, up the Snake River, into Yellowstone, and returning to Fort Hall on October 11th.

The reprint measures approximately 28 inches by 29 inches overall, black printing on white background, and is printed on heavy photographic paper.

The map is representative of the cartographic style of the time and uses shading to depict mountain ranges, water lining on lakes and artistic profiles of various ranges including the Tetons.

A 39-page excerpt from "Great Surveys of the American West", by Richard A. Bartlett, published by University of Oklahoma Press, is to be included with the map (reprint permission pending) and details the progress of the expedition.

**THE CHAPTER IS OFFERING PRINTS TO PLSW MEMBERS AT
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“New ACSM”

During the fall 2002 ACSM/NSPS meetings in October, it was decided that the ballot containing the proposed Constitution and By-Laws changes that would create the “new ACSM” will be sent to the membership in April 2003 after the spring meetings in Phoenix.

This decision was reached because it is important that members be given the chance to fully review and comment on the proposed structure. To assist the members in this, NSPS leaders (Officers, Area Directors. and Governors) are being asked to meet with the members they represent and with the state society leaders for the state(s) they represent to explain the plan. The bulk of these meetings will occur during the state society annual meetings, most of which will occur between now and next April.

Additionally, it was felt that members need a concise statement focusing on the benefits of the plan. The enclosed one-page statement was developed to accomplish this goal. The state society executives and newsletter editors are being asked to print the enclosed white paper in their respective publications, and to inform their members that meetings with NSPS leaders will be held to discuss the plan.

The committees that have been developing the actual mechanics of the plan’s structure will soon have updated versions of their work posted on the ACSM website, www.acsm.net. As updates are developed based on feedback, they will be also be posted on the ACSM website. The updates will be dated so they can be distinguished from previous versions. Also posted on the web will be the current Constitution and By-Laws so that members can make comparisons.

Also enclosed is a tentative schedule for the activities that are contemplated between now and when the ballot is mailed to ACSM members.

Thank your for help in the effort. Please contact the ACSM office if you have questions about the enclosed materials, or the process.

“THE NEW ACSM”

EVOLUTION OF AN ORGANIZATION

DRAFTED OCTOBER 22, 2002

The American Congress on Surveying and Mapping (ACSM) was formed in 1941 to advance the Sciences of Surveying and Mapping in their several branches. Over the years, the organization grew in number and stature. The goal of the advancement of Surveying and Mapping has remained consistent. ACSM members have been leaders in the development of geo spatial information and surveying sciences, however over the last fifteen years, the organization has suffered a steady decline in membership. Many programs have been initiated over that period to stem the decline, but the drop in membership continues. Numerous contacts have been made with past and prospective members to gain insight into their lack of interest in membership. Their input has been very consistent. While the majority supports the goals of ACSM our current organizational structure has left many confused and unwilling to support ACSM.

Current ACSM President Sam Best convened a task force made up of representatives of all current member organizations (MOs) to determine what could be done to turn the decline around. This group, led by Past ACSM President Gary Kent, spent a great deal of time exploring the various options and after a tremendous

change. In order to serve the existing and potential membership, the structure of the organization needs to evolve into a true Congress of Surveying and Mapping. It has been termed “The New ACSM”. While our goals remain steadfast, the organization is proposed to evolve into a more flexible and responsive entity.

Under the proposal, individual members will belong directly to their respective MOs. These MOs will be totally self-governing, and able to establish and manage their own programs and services for the benefit of their members without oversight by any other board. The New ACSM will not have individual members, but will exist as a Congress of MOs to serve as a forum for common issues, an integration of activities to provide programs of mutual benefit. Under this new direction, the MOs will be in the forefront and ACSM will take on a role as advocate for the MOs to promote their common interest. This new organization is structured to meet the expectations of our current, as well as prospective members, by providing flexibility to the individual MOs for their programs while relying on the Congress to continue to promote activities and positions that cut across the entire Surveying and Mapping community. This new structure enables existing organizations not currently affiliated with ACSM to become part of the Congress for specific and ongoing issues.

This issue requires approval from the current ACSM membership through a written ballot proposal. Further details and discussion can be found on the ACSM website located at www.acsm.net. The leadership of all current MOs as well as the ACSM leadership has endorsed this proposal of evolution. The leaders of ACSM and its MOs have joined together to encourage all ACSM members to review the information developed and join in support of this effort.

ACSM UPDATE

FEMA FLOOD MAP MODERNIZATION PROGRAM

The FEMA Flood Map Modernization Program is still going forward. We have been working with a coalition of other interested groups to make sure that the \$300 million allocated by President Bush for the program actually gets put in the budget by Congress. The markup on the VA-HUD appropriations bill, which will have the funding in it, could possibly take place during the first week of October. The coalition is sending a letter to all members of the VA-HUD subcommittee urging them to make sure the full \$300 million designated for flood map modernization remain in the budget.

Survey Video Tapes Available

TAPE ONE

1. *Professional Land Surveyors & GIS; Mapping the Future*; New Jersey Society of Professional Land Surveyors.
2. *Professional Land Surveying: A Career Without Boundaries*; New Jersey Society of Professional Land Surveyors.
3. *A Matter of Degrees*; American Congress on Surveying and Mapping, National Society of Professional Surveyors (1986).
4. *Surveyors of the Sixth Principal Meridian*; Bureau of Land Management

TAPE TWO

1. Wyoming T2 Center: *Surveying Crew Orientation: Surveying Options, Part I*.
1. Wyoming T2 Center: *Surveying Crew Orientation: Surveying Options, Part II*.

TAPE THREE

–DRAFT BOD MINUTES

(Continued from Page 4)

Membership Committee: Motion by Stoughton/Jones to approve admission to membership (various grades) the following applicants:

1. Chris M. Asbury; PLS 5009; Worthington, Lenhart, & Carpenter; Member.
2. Bob R. Butler; PLS 567; CER Professional Consultants; Sheridan; Member.
3. James J. Grimes; PLS 2892; Nelson Engineering; Jackson; Member.
4. James F. Hanlon; PLS 9619; Stetson Engineering; Gillette; Member.
5. Heidi L. Pfosch; PLS 8017; USD1 Bureau of Land Management; Billings; Member.
6. David W. Anderson; Donnell & Allred; Worland; Associate Member.
7. Jeffrey A. Conley; Stetson Engineering; Gillette; Associate Member.
8. Matt Kurchinski; Jorgensen Associates; Jackson; Associate Member.
9. Joe A. Martinez; Donnell & Allred; Worland; Associate Member.
10. Matt Neuner; Pierson Land Surveys; Jackson; Associate Member.
11. Jon Patterson; Jorgensen Associates; Jackson; Associate Member.
12. Levi Williams; Stetson Engineering; Gillette; Associate Member. Motion approved.
- j. Nominations & Elections Committee: The 2003 candidates are:

1. President: Don A. Davis (Casper - South Central Chapter).
 2. Vice President:
 - a. Paul A. Blough (Cody - Northwest Chapter).
 - b. Joel T. Ebner (Gillette - Northeast Chapter).
 3. Secretary/Treasurer: James E. Greer (Wheatland - Southeast Chapter).
 - k. Professional Awards Committee: no report.
- Public Relations Committee: Member Herbert W. Stoughton was featured in several Colorado newspapers concerning the NAVD88 Mile High Marker survey in Denver.

m. S.O.S. Committee: The following map/plats will represent PLSW at the ACSM/NSPS Map/Plat Competition in 2003:

1. Color Category: *Harmony Hills*; John Sayers, Steil Surveying Services.
2. Topographic Category: *Conoco Pump Station*; Caree McClure; Steil Surveying Services.
3. Miscellaneous Category: *Pioneer Pipeline*; Kevin Hardesty; D.R. Griffin & Associates.
4. Subdivision Category: *North Star, 3rd Filing*; John Sayers; Steil Surveying Services.
5. Cadastral Survey Category: *Storey Boulevard Right-of-Way Alignment*; Michael Flaim; Washington Infrastructure

6. ALTA Category: *Albertson Stores*; Caree McClure; Steil Surveying Services.

Eleven maps/plats were submitted for the state competition.

n. Scholarship Committee: A \$1,000 scholarship (\$500 each semester) was awarded ~to Karl F. Scherbel. He is attending Idaho State University.

o. Standards, Ethics & Professional Practice Committee: The issue concerning survey monumentation. Copies of two letters were distributed. A complete copy of all documents is to be collected for review of the issues.

p. Trig Star Competition Committee: no report.

8. Delegate Reports:

a. ACSM-NSPS Board of Governors: Jeffrey B. Jones distributed three attachments concerning the services provided by ACSM and its member organizations. Also, documentation concerning the proposed reorganization was provided. By a consensus decision of the PLSW Board of Directors, Jones would make a formal presentation to the PLSW membership at the 2003 Annual Meeting. Secretary Stoughton was directed to place this matter on the agenda.

b. WestFED: Mr. Reid has submitted a written report to *Lines & Points* concerning the October WestFED meeting.

9. Old Business:

a. One Chapter has submitted responses to the WestFED questionnaire. President Dawson requested that the remaining Chapters submit responses as soon as possible.

10. New Business:

a. PLSW will submit a framed print of *Grenville Dodge and Party at the Gangplank* for the Allen Mace scholarship raffle. There will be additional items for this raffle. Chris Hamilton is in charge of the raffle.

11. 2002 PLSW Budget:

a. Treasurer Stoughton presented the updated 2002 budget which showed the checks that had been written against various items.

b. Treasurer Stoughton presented a proposed 2003 budget. Motion by Jones/Krum to accept the proposed 2003 budget. Approved unanimously.

12. Announcements:

a. Schedule of the PLSW Board of Directors’ meetings for 2003.

1. 6 February 2003; *Cheyenne Holiday Inn*; after the PLSW 2003 Annual Meeting.

2. 10 May 2003; Casper; location to be announced later; 10:00 am. MDT.

3. 23 August 2003; telephone conference call; 10:00 a.m. MDT.

4. 14 November 2003; *Parkway Plaza Motel*; Casper; 12:30 p.m. MST in conjunction with the PLSW 2003 Fall Technical Session.

b. The PLSW 2004 Annual Meeting will be held in conjunction with the WES Annual Meeting. The date and location will be announced later.

13. Meeting was adjourned at 3:30 p.m.

Respectfully submitted,
Herbert W. Stoughton

WESTERN FEDERATION of PROFESSIONAL SURVEYORS BOARD OF DIRECTORS MEETING

LAS VEGAS, NEVADA

On October 4-5, 2002, I attended the Board of Directors meeting of the Western Federation of Professional

Surveyors (WFPS) in Las Vegas, Nevada in the Windsor meeting room at the Hawthorne Suites Inn. The following is my report of the meeting. The meeting was well attended with all states being represented except for California.

There were no guests in attendance. Meeting was called to order @ 3:37 p.m., 4 October 2002.

Chairman Chuck Paddack presented a written report with a follow up verbal report giving summary of his activities since the last meeting. Chuck stated that in two weeks, ACSM/NSPS will be having its fall meeting in Gaithersburg, Maryland and West Fed was successful in officially setting time aside for the Western States Governors meeting. Chuck also stated it was his belief that as our state affiliates continue to grow and mature, it becomes more crucial that the Western Federation of Professional Surveyors maintain their role on the National level and be responsive to the needs of the Western Surveyor.

Secretary Steve Parrish gave a verbal report on his WFPS activities since last meeting.

Treasurer Jerry Tippin submitted detailed financial statements along with Budget vs. Actual expenses for the year ending August 31, 2002 along with the check register. Current assets are \$140,501.82 with \$9504.29 in the checking account. Taxes will be prepared and filed prior to the end of the year. Jerry was not able to attend the meeting due to being "prepped" for major surgery in November. Jerry said it wasn't the big "C" or life-threatening, but it was a serious problem and he should be good as new by the end of the year. A card was passed around with all delegates signing it and giving note for a speedy recovery and best regards.

Agenda revisions were made and approved.

Review of state society reports revealed the following highlights:

Alaska: Most of societal activities have been put on the back burner in order that the majority of the year's field work can be performed. The summer of 2002 has been an extremely demanding period for the survey industry. The result is that not many of the items on the ASPLS docket are being addressed. On going activities that are being pursued are the societal joint conference has been deferred to mid-May in order to be held with the International Conference of ASPRS. Legislatively ASPRS with it's affiliation with the Alaska Design Council are focusing on continuing education for surveyors, building codes and architectural comity.

Arizona: No written report. Chuck Paddock gave a verbal report on the Arizona society and how Arizona is working with the GIS people and the formulation of the Arizona Geographical Information Council.

Colorado: No written report. Dave DiFulvio gave a verbal report on Colorado's activities. Presently there is an issue with a county official in monumenting a riparian boundary. "GIS in the Rockies" convention is coming up. Colorado now has a statute that all counties must have an appointed county surveyor.

Hawaii: Planning for the 2003 Hawaii Annual State

Surveying Conference is moving along quite well. The dates have changed to February 28 & 29. Kendall Hee, PLS and Patrick M. Cummins, PLS are teaching surveying courses in the spring of 2003 at the University of Hawaii. "Professional Ethics for Surveyors" and "Original Land Commission Awards" are two scheduled workshops to be held October 12, on Oahu. Five areas of concern the Hawaii association is currently working on are: Land Court discrepancies, Horizontal Property Regime Statute, "Pin Finders", "Legal Descriptions" prepared by non-surveyors and Shoreline Certification Rules changes.

Idaho: The Idaho society Board of Directors met in the historical old school house of the Aldredge School near Shelley, Idaho. A special report was given by the high school students on the local GPS project that received national attention. The students gave a power point presentation on how the program works and what they accomplished. With the help of the local surveying firm, Harper-Leavitt Engineering, they provided accurate weed locations throughout the county for various agencies. The project has been ongoing for the past several years and is providing valuable information on how fast the noxious weeds are expanding in Eastern Idaho. Two of the students said they were interested enough in the project to pursue a career in surveying!! Two \$1,400 scholarships were awarded to ISU students in the four year

(Continued on Page 7)

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by

Dr. Lon G. Toody, Geodesist

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-LETTERS

(Continued from Page 17)

pledging money will take action from your Board and you will need time to raise the money. I would like to have a pledge from your group as soon as possible or no later than April 1, 2003.

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Yes, I would like a copy of the power point presentation.

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Robert E. Church
Executive Director

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-WESTFED BOD

(Continued from Page 6)

program. There are 13 students enrolled in the four year program. In September a very well attended seminar was given by Curt Smith, the new geodetic advisor to the state, on GPS Derived Heights. The Sawtooth Chapter is heading the monumentation of the center of population project near Stanley.

Montana: The next MARLS convention is scheduled for February 26-28, 2003 in Great Falls. The education committee is considering offering ten \$200 scholarships per year to high school graduates who register and take certain surveying related courses during their first college semester. The object being to expose students to the surveying profession. On August 17, Montana set its center of population monument at the Camp Baker rafting "put in" west of White Sulphur Springs. Denis Applebury, WFPS Montana co-delegate has been appointed to the Montana Board of Registration.

Nevada: Efforts to establish a 4-year surveying program at UNLV has come to a screeching halt. If Nevada does not establish a 4-yr surveying program, with its state boundaries, by 2006, the 2010 legislated requirement for the land surveying examination will become null and void. Nevada's joint CLSA/NALS Conference will be held at the Silver Legacy, Reno, Nevada on March 2-5, 2003.

New Mexico: Former WFPS New Mexico delegate Chuck Cala has been appointed to the New Mexico Board of Registration. New Mexico is working on setting their Center of Population monument.

Oregon: PLSO is looking into a limited health insurance plan to be offered to membership. The annual meeting for 2002 will be held in Portland on December 13 at the OIT campus in conjunction with an OIT/BLM workshop. The annual convention will be on March 5-7, at the Linn County fairgrounds. Former WFPS Oregon delegate, Dennis Findorff is the new department head at OIT for the Civil Engineering Geomatics program. PLSO approved 5 scholarships for an amount of \$8,000.

Utah: Utah has 5 committees that have been holding regular meetings to help accomplish goals each has set. The Legislative committee is working on mandatory 2 year degree legislation, standardized subdivision platting requirements, legal descriptions for subdivided parcels being prepared by a licensed Land Surveyor. The other active committees are the Standards and Ethics, Education, Public Relations and Newsletter and Mailings. The UCLS is also working on putting together a PAC committee to help endorse elected positions that affect the surveying profession. The Timpanogos Chapter is currently working on the Center of Population monument installation. The 2003 UCLS Conference will be held on February 20 and 21 in St. George, Utah.

Washington: Washington continues to work on its Continuing Professional Development proposal to be drafted up in bill form. Washington set its Center of Population monument and has three separate 5 hour static GPS sessions on it. Processing was done through NGS Online Positioning User Service (OPUS) using precise ephemeris data. NSPS/ACSM awarded the Washington newsletter publication "Evergreen State Surveyor" a Certificate of Merit for Excellence in Professional Journalism for 2001. Approximately 1,050 copies are mailed each quarter.

Committee reports were given with the following highlights:

changes to reflect current organizational structure as requested by the Board. The By-Law changes were motioned and approved. Conference 2003, Co-chairman Mike Mickiewicz presented a handout of the scheduled program and sessions to be held. The sessions look very impressive in the quality and diversity. Washington hopes to get the program and sessions added to its website soon. Conference 2005 has been difficult in trying to find a host facility. The committee is looking into using Chuck Pearson and Dorothy Calegari in assisting in the search to find a host facility. Meeting was adjourned @ 7:58 p.m.

Meeting was reconvened in the Windsor meeting room of the Hawthorn Suites @ 8:35 am., 5 October 2002. Committee reports and discussion continued with the following highlights: The draft NCEE Model Law concerning surveying was discussed and Denis Applebury was to try and find a final version for distribution to delegates. The Public Relations committee was combined with the Education committee, which will be pursuing ways to increase the public's awareness of the Professional Surveyor. Discussion under Business Items was held concerning archiving deceased surveyor's records, BLM/Montana decision on not providing micro-film of plats and notes and if there was any interest by state BLM offices in hosting U.S.G.S. records in the respective state offices. Finally as the last agenda item before the Goals and Objectives session was the 2003 budget. The budget was reviewed, edited, updated and approved. The budget was set at \$34,400 for 2003. Jerry Tippin (WFPS Treasurer) not being at the meeting will of course have much to say to Board Directors at the next meeting concerning the budget.

After completing the regular business phase of the meeting, the goals and objectives session began. State questionnaires were reviewed and summarized. Rather than getting into the long discussions, summarily it was found that WFPS's purpose is still the same as indicated in its Mission Statement and the By-Laws. What is needed is how to better communicate back to the state societies and the public in general. Many ideas were exchanged and the "HOW" question became the objective. WFPS is now working on a path to better communicate to state organizations and the public.

Next meeting will be on Saturday, 22 February 2003 in Seattle in conjunction with the 2003 joint convention. The following meeting will be 21 June 2003 in Reno, Nevada.

Meeting adjourned @ 3:50 p.m.

Respectfully submitted,
Paul A. Reid, P.L.S.
Wyoming WFPS Delegate



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ACSM/NSPS BOARD OF GOVERNORS REPORT OCTOBER 20 AND 21, 2002, Gaithersburg, MD

The business meeting for the NSPS Board of Governors (BOG) was called to order at 1:00 P.M. on October 20, 2002, at the Hilton Hotel in Gaithersburg MD. Roll was called and a quorum was declared.

Numerous special guests were introduced including a majority of the NSPS Board of Directors (BOD).

Additions to the minutes, Order of Business, and assignments to Task Committees were made.

Chairman Evers presented a tracking of previous motion as follows: Sliding Scale membership dues, seconded and carried by substitute motion for evaluation by the Executive Director and Financial Manager; Ex-officio member to BOD (other MO'S) motion to withdraw, carried; Model Guidelines of Practice, carried; New ACSM, seconded and carried; Fall 2002 Meeting, seconded and carried; NCEES Model Law, Penalty Section, seconded and carried; *Joint Meetings*, seconded and carried; State Executives representation, seconded and carried; Fast Track FEMA LOMA's and LOMAR-F's, seconded and carried.

The following Motions were brought forward for committee considerations:

- Amendments to the BOG Procedures and Guidelines amended and a 2/3-majority vote required for passage. Vote to follow at subsequent meeting.

- USGS Historical Records. Request for NSPS provided background information to Congressional Representatives to try to persuade USGS to maintain mapping documents including field notes, photography and map sheets. Passed.

- NSPS BOG and BOD Joint Meeting Schedule. Revisions to the meeting schedule in order to reduce duplicate reports. Passed.

- NSPS Certified Survey Technician (CST) Presentation. Allow the CST committee to distribute an informational CD including Power Point presentations to individual governors for use in the promotion of the CST program. Passed.

- Trig Star Scholarship Awards. Allow NSPS to place the budgeted award money directly into the Trig Star Scholarship Fund each year. Passed.

Short Reports were given by the Chair; the Secretary; NSPS President Curtis and Treasurer; ACSM President; the ACSM Executive Director and the Joint Government Affairs Committee. Additionally the JGAC committee is working hard to have a surveyor appointed as "Chief Information Officer" in the National Spatial Clearinghouse department of Homeland Security, and

reported that a revision to the Clean Water Act has removed "navigable" from requirements to meet the act, essentially meaning all water. Trig Star stated that there is about \$30,000 in the Trust Fund. The committee requests that state coordinators attend the national meetings. CST committee reported that the CST web page has received over 13,000 requests for information and has given 550 tests, in the last year, with a 45% pass rate. The committee recommends each state society appoint a state coordinator for CST. NOS reported that within the next 5 years approximately 60% of the current employees will retire. Tommy Brooks will be the new Chair for COFPAES and John Matonich becoming the new delegate and Rick Allen the alternate. The NCEES Model Law for surveying is under final review; see the NCEES web page to comment. The Standards committee is working on revising the MA standards and specs; the current edition is dated 1994.

The majority of the meeting, including a pre-meeting of WESTFED area Governors, was centered on the "New ACSM". Numerous documents are available on the ACSM web page (www.acsm.net). These documents are continuously updated and comments both pro and con are being asked for. If you are interested in the "New ACSM" please check the web page frequently.

The final meeting was adjourned at 11:30 A.M. October 21, 2002

Respectfully Submitted
Jeffrey B. Jones
Wyoming Governor.

Report on Visitors to Common Corner to Nebraska and South Dakota on Wyoming Line

(from December 18, 1999 to November 23, 2002)

Copies of the Guest Book registration are periodically sent to the Sioux County Historical Society, Harrison, NE, for filing. 151 visitors signed the Guest Book. The following states were represented: Nebraska, Michigan, South Carolina, Colorado, South Dakota, Wyoming, Florida, Maine, Arkansas, Wisconsin, Mississippi and Iowa.

Some interesting comments from visitors were: "Don't ever build a road to this place, it would ruin it"; "Cool"; "Scouting for deer and antelope"; "A beautiful plain view"; "Thanks for doing this"; "This is great"; "Thank you"; "How do I get out of here?"; "We are lost"; "Wonderful wonderland"; "God's country, never seen anything like it"; "Outstanding people and country"; and a helicopter pilot reported, "A nice landing spot".

On September 6, 1989, 250 people gathered at this Common Corner to dedicate the restored monuments. The historical societies of Sioux County, Nebraska, Fall River County, South Dakota, Niobrara County, Wyoming and the Surveyors of the 6th P.M. organization sponsored the event.

Rollin C. Curd, Land Surveyor

LETTERS TO THE EDITOR

Campbell & Associates
Attn: Mr. Paul R. Campbell, PLS
P.O. Box 758
Cody, Wyoming 82414

Re: Standards, Ethics & Professional Practice Committee
Dear Mr. Campbell,

The Wyoming Board of Registration for Professional Engineers and Professional Land Surveyors Rules, Chapter V, Section 4, states that monuments set for any purpose shall include a permanently attached identifying marker. I would like a clarification from the State Board concerning the problem with Surveyors who feel that existing monuments should not be disturbed by placing any identification marker on the monument even if they have accepted said monument in their survey, (Example: Rebar, T-Posts, Iron Pipes, etc.). They have advised me that by placing a cap or stamping an LS number on an existing monument of any kind is disturbing that monument. I have been informed that altering another surveyor's monument in any manner is a violation of State Statutes, as advised so by their Attorney.

I have enclosed a copy of the letter I had requested from Martin A. Pedersen, PLS that was sent to me and forwarded to the Surveyors in disagreement. Their response was that our interpretation of Chapter V, Section 4 is wrong and that unless they see something definitive from the State Board, it is business as usual.

A letter of clarification from the State Board concerning the problem would be greatly appreciated and may clarify the conflicts that need to be addressed.

Your response would be greatly appreciated.

Sincerely yours,
Thomas D. Tucker
WY. PLS 6812
March 15, 2002

Mr. Tom Tucker
Presfeldt Surveying
Box 3082
Sheridan, Wyoming 82801
Dear Mr. Tucker,

Wyoming Board of Registration for Professional Engineers and Professional Land Surveyors rules, in Chapter V, Section 4, states that Monuments set for ANY purpose shall be marked, stamped, or inscribed with the registration number of the LS, and with WHAT the cap is, property corner, control point, section corner, or whatever. The intent of this is that when you set or use a corner, the surveyor following in your footsteps will know who set or used this corner, and what the corner is. Progressing beyond this, if you accept a corner set by someone else that is not marked, you should improve it, mark it, cap it, stamp it or whatever to leave tracks to follow. In other words, if you can accept it, then you should be proud enough of your work to leave a trail to follow, and show by a cap that you have accepted it. Current practice in your area seems to be to mark the cap as "REMON LS#_____". The excuse that "I can't do anything with this because I am

Surveyor set it" does not hold water. Taking this to the extreme, if you found the rusted remains of a spike set 40 years ago for a lot corner, would you just accept the rust marks and go on-without remonumentation? The plat or corner recordation form should show what you found and on what basis you accepted it. On that form, you should state what condition you found it in and that you capped it with your cap, replaced it with your monument, or whatever you did to improve the monument and leave tracks.

The same holds true with local regulations that are more restrictive than the Board rules. If the county or city requires a monument set in concrete for subdivision corners, the monument you accept does not meet this requirement, then you MUST go with the current county or city regulation and replace the accepted corner with what is required.

Sincerely,
Martin A. Pedersen, PLS

May 13, 2002
S. Dennis Dawson
President
Professional Land Surveyors of Wyoming
2821 Carey Avenue
Cheyenne, WY 82001
Dear President Dawson,

I want to introduce you to an ambitious project that IPLSA has undertaken to commemorate Abraham Lincoln's life as a Land Surveyor.

We propose to produce a life-size statue of Lincoln as a Deputy Sangamon County Surveyor, which will be installed at Lincoln's New Salem State Historic Site and a second statue to be placed at the Land Surveying Museum in Lansing, Michigan. New Salem is a re-created village where Lincoln lived when he surveyed.

We believe this is a once in a lifetime project that will not only honor a great President but also our chosen profession of land surveying. We also believe it is important that all 50 states be involved in the project.

In order to reach our funding goal of \$130,000 to complete the 2 statues we are asking each association/society to pledge \$3,000. To help you raise your pledge we are offering you fundraising incentives. We have created a brochure that not only explains the project but details the incentive items, i.e., 12" bronze composite maquette statue as shown in the brochure, a revised copy of the book *A. Lincoln With Compass and Chain*, which tells the story of Lincoln's surveying career and his relation to the Hanks family compass makers, and a signed and numbered print of Ned Ostendorf's drawing on which the statue is based. Those making the contribution will have their name placed on the base of the statue at the New Salem site.

We can also offer you copies of the brochures and a copy of a 10 minute power point presentation that explains the project.

I recently gave the power point presentation at the ACSM/NSPS Executives Forum and the NSPS Board of Governors meeting in Washington, DC. You may want to contact your NSPS Governor for their support.

In order to meet the goal of unveiling the statue in the fall of 2003 I need to start getting commitments of pledges. I know that



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-STOUGHTON

(Continued from Page 14)

review income, disbursements, and investments. His reports to the general membership at the annual meetings are concise and thorough.

At the time he was asked to accept the position of Secretary/Treasurer, Dr. Stoughton assumed the position of Professor of Surveying and Mapping at the Metropolitan State College of Denver (MSCD). The Professional Land Surveyors of Colorado Education Committee/Special Task Force presented him with a formidable list of ideas (tasks) to improve the Surveying and Mapping Program (SMP). Stoughton set out to revise a sixteen-course curriculum to a thirty-one course program (which was approved by the institution); offer classes to off-campus sites; develop transfer credit programs for over seventy post secondary institutions; and ready the SMP for ABET accreditation. Since 1997, Dr. Stoughton has been video taping his formal lectures for distance learning. To date, he has recorded eleven courses, completed a 40-hour surveying review course, and overseen a another surveying course to be video recorded. In 2001, the Colorado Commission for Higher Education provided funds for the MSCD to offer a four-year degree program at remote community colleges. The SMP was approved, and Dr. Stoughton has begun to record his lectures for publication on DVD's. This includes the research, writing, and preparation of extensive lecture notes and examinations. In his new route surveying lectures, Dr. Stoughton recently developed computational algorithms for fixed-width strips of land for transition spirals, the intersection of a transition spiral and a straight line, and the intersection of a transition spiral and a circular curve. In August 2002, he assumed the position of head of the civil engineering technology program to go along with his assignment of head of the SMP. Dr. Stoughton commutes between Cheyenne and Denver (a distance of 100 miles) twice weekly to teach and advise students. He performs these and his PLSW assignments in a timely manner.

During his career, Dr. Stoughton has been recognized for his knowledge and abilities. In 1974, at the age of 34, the New York State Board of Regents appointed him a Land Surveyor member to the State Board for Engineering and Surveying. In 1984, the Surveying and Mapping Society of Georgia (SAMSOG) requested Dr. Stoughton to review and edit their proposed state plane coordinate legislation. Stoughton provided several innovations, which have subsequently been added to legislation enacted in other states. For his work, Stoughton received the fifth SAMSOG Distinguished Public Service Award, which previously had been awarded to members of the Georgia legislature. In 1999, ACSM honored Dr. Stoughton with Earle J. Fennell Award and the Walter S. Dix Award.

When Dr. Stoughton steps down as PLSW Secretary/Treasurer, he will not "retire". He has been researching the Public Domain surveys in Wyoming and Colorado during the contract period. He has collected a wealth of material which, according to him, will provide material for seven or eight volumes. Also, he will probably continue to write and research various problems in surveying and mapping. Many of the PLSC and PLSW members find Dr. Herb a rich source of information. He willingly answers technical questions without requesting remuneration. Many times he has provided the surveyors with technical expertise and published references.

One of Dr. Stoughton's "hobbies" is collecting surveying literature. He has an extensive collections of books, periodical literature and miscellaneous papers, to which he constantly draws upon. His references date from the sixteenth century.

Besides his work in his profession, Dr. Stoughton has served as an active volunteer in the community. He is an assistant boy scout master, and teaches the surveying and engineering merit badges. For seven years he was president of a federal credit union. During his tenure the institutions assets rose from \$0.7M to over \$2.0M. He is a member of a fraternal men's organization, working on fund raising breakfasts. According to the breakfast team members, Herb is the official dish and pot washer - a job which everyone else shuns. In the quiet moments when Dr. Herb is not working on surveying projects or community service, you can find him working around his home, trout fishing, occasional sightseeing, and some antique refinishing.

GIS Outreach

There are those who perceive the surveying and mapping community in the form of ACSM members as being unconnected to GIS. This is a somewhat natural conclusion considering that they do not typically have direct interaction with surveyors and mappers (sometimes they are surveyors and mappers who do not have direct interaction with other participants in GIS).

This is evident in the attitude among some with regard to any proposed certification associated with GIS. They might say that surveyors, in particular, need not be included in discussions about such certification. Likewise, there are those who believe that no GIS activities should be conducted unless a licensed surveyor is involved. In fact, anyone potentially affected by the interpretations made by those who would hold such certification or licensure as a standard to be met for providing GIS services should be aware of activities related to this issue. ACSM Executive Director Curt Sumner was recently given the opportunity to address the Utah Geographic Information Council during its annual meeting in Bryce, Utah. An article relating that experience is being printed in the upcoming September/October issue of the ACSM Bulletin. All of the Government Affairs Update readers are encouraged to read the article.

For those who cannot, a primary focus of the article is that outreach from ACSM members to others participating in GIS applications, and vice versa, is a critical element in finding the proper balance that instills in all of us the acceptance of our responsibility to the public we all serve, regardless of our individual self interests. ACSM is taking steps to be a leader in that outreach.

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A message from 2002 NSPS President Gerry Curtis

AT THIS POINT

As I write this, my presidential year is already 2/3 passed. It has been a year of ups and downs, as far as my time involved in Society activities are concerned. Busy, busy the first four months of the year, including the Annual Meeting with F.I.G., virtually no activity in May, our NSPS EXCOM meeting only in June, then near the end of July, ACSM EXCOM and a COPS meeting, and in early August, the NCEES meeting. In between, there have been correspondence and phone calls-so there hasn't been time to forget about the job.

At this point, between President-elect Fenn, Past President Thompson, Secretary-Treasurer Abenroth and I, we have attended approximately 20 state society and regional organization meetings, including two meetings in Canada. One of the most common comments heard from individuals at these meetings is something like, "I've never met a national officer before or, "It's so great to have you here....", or when Curt and I have been at the same meeting, "...the Executive Director of ACSM and the President of NSPS at the same time." All such comments and some body language as well are indicative of the fact that in many cases, state members who are not national members, and sometimes those who are members, appear, subconsciously, to think of we officers of NSPS as "titles from afar" and not necessarily real people, real surveyors, too, just like them. Many are somewhat more familiar with Curt's silver-tongued oration on a variety of topics. Curt does a great job of presenting his seminar topics in common surveyor talk, because, even though he is presently "staff" he also has been, and even now, time permitting, is still, a practicing surveyor. Face-to-face, we all can talk NSPS/ACSM business or surveying in the same language, and that makes everyone more comfortable.

We officers have been trying to stress the two-way communication that's such an important part of our relationships with state and regional bodies. That's probably the chief reason for the recent innovation of including the state executive positions on the Board of Governors and Board of Directors. Officers, Directors, and Governors-all of us-often when we leave our semi-annual meetings get so involved in things back home at the office that we don't keep a high profile and a high level of communication with our state society and other surveyors in general. After all, we only have 7 days per week to try to do everything. The appearance of an officer and an Area Director at state meetings should indicate to the members in attendance that we at the national society do care about what they think and that we really do want them informed about what we're trying to do on their behalf, whether national members or not. We need to be certain that everyone is aware that part of the job of being an officer, a director, and a governor in NSPS or ACSM, or any other national organization, is to serve the members and to COMMUNICATE with them. We are ready to visit-but by invitation!

I just recently returned from the 81st Annual Meeting of the National Council of Examiners of Engineering and Surveying (NCEES) in LaJolla, California. It was a pleasure and a privilege to be present at the installation of Robert Krebs of Vermont as President of NCEES. Bob is a surveyor and engineer and has

recently been serving as NSPS Governor from Vermont. At that NCEES meeting, revisions for the Model Law for Surveying were accepted to be sent on to an oversight committee, with a vote on the entire document expected at the next Annual Meeting. Since only delegate members of state licensing boards and emeritus members of NCEES are entitled to vote, my role was as a guest by virtue of my NSPS office. Curt Sumner represented Sam Best for ACSM. NSPS's "official" representative is Texas NSPS Governor Pat Smith, who represents us on the Participating Organizations Liaison Council (POLC). This council submits items for NCEES to consider, but there are no votes from POLC itself. Other members of POLC include NSPE, ASCE, ACEC, ASPRS, and many more, less familiar-named organizations representing, primarily, various disciplines of engineering, like American Society of Agricultural Engineers (ASAE), The Instrumentation, Systems and Automation Society (ISA), Society of Fire Protection Engineers (SFPE), and on and on. There were lots of active NSPS members who actually were voting members of the Council in attendance, and it was great to visit with some of them again. In sheer numbers engineers greatly outnumber surveyors, but it was great to see the fairly large number of surveyors active on the Council.

During our NSPS EXCOM meeting in June, we wrestled with two budgets for 2003-one to be presented for approval assuming the "new ACSM" happens, and one assuming the new ACSM doesn't happen. It was an interesting, exciting, overwhelming, and even intimidating, exercise. Thanks to great preparation by Secretary/Treasurer Abenroth, we managed to get through both scenarios without overtaxing our blood pressures, or experiencing any other physical problems. John's preparation was so thorough that he was invited to participate in the ACSM budget planning events at ACSM EXCOM meeting in late July. We can't thank John enough for his efforts. We are prepared, budget-wise, for either situation after the "new ACSM" question is resolved.

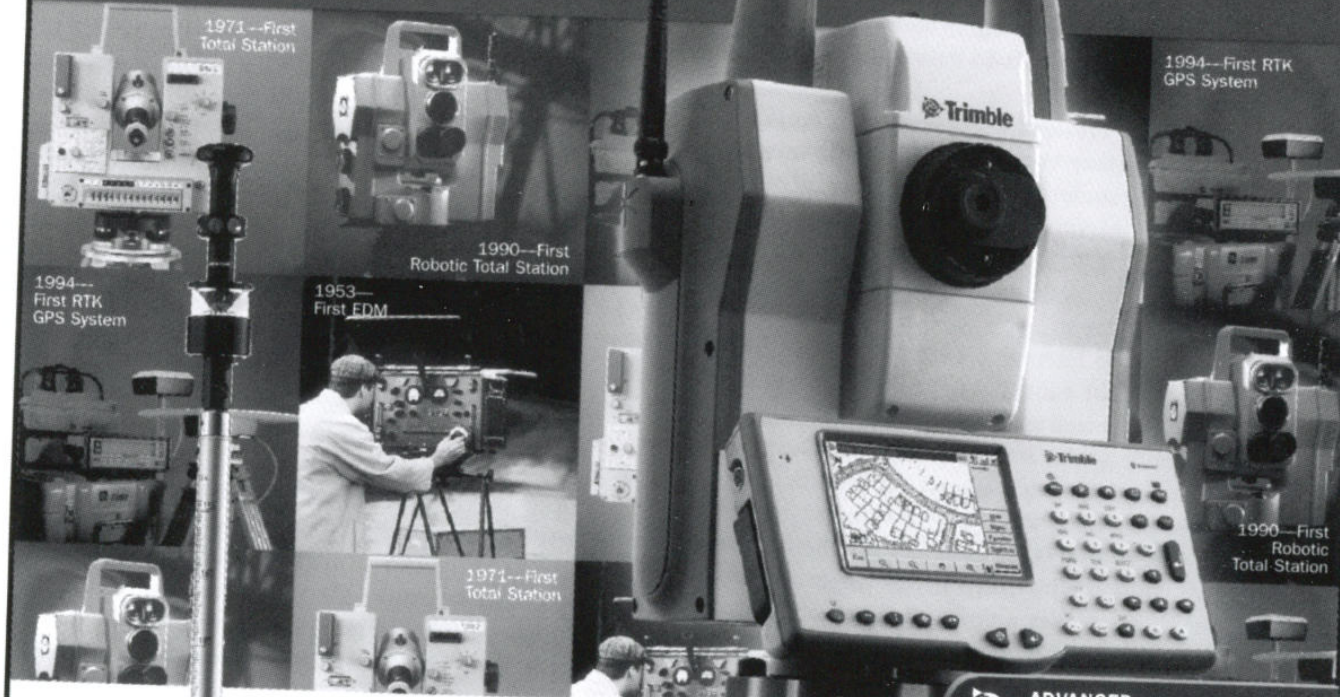
President-Elect Fenn has taken my comments about waking up on the morning of January 1 and realizing that I was already NSPS President to heart, and has spent some recent time at the office, visiting with Pat and Curt and the others there, in preparation for his year in office. And we've learned just how long it takes Vice President Savage to get anywhere from Anchorage- they leave Anchorage at 12:30 AM to come to most any place in the "lower 48". He and his wife arrived at around 4:30 PM the same day in Texas. Even with the time zone differences, that's still a lot of hours to be traveling!

I have at least two state society meetings left to visit as of this writing-Massachusetts in mid-September, and Texas just before our semi-annual meeting. I trust that all committee members are preparing reports for the fall meeting in Gaithersburg. We can get a lot accomplished at that meeting, especially without the distractions of exhibitors and seminars!

Thank you all for your belief in our organization and its goals. Please continue that belief as we struggle toward the new ACSM, and the added responsibilities that NSPS will have because of it.

Gerry Curtis

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Stoughton Nominated for Surveying Excellence Award

December 8, 2002

National Society of Professional Surveyors
Attn.: Ms. Pat Canfield, Executive Administrator
6 Montgomery Village Avenue, Suite 403
Gaithersburg, MD 20879

Dear Ms. Canfield:

The Professional Land Surveyors of Wyoming (PLSW) wish to nominate one of its members for the *Surveying Excellence Award*.

PLSW does not have an annual award for outstanding surveyor, but the PLSW Board of Directors felt that they should nominate this individual for his efforts for the surveying and mapping profession at both the state and national levels.

We wish to nominate Dr. Herbert W. Stoughton, P.E., P.L.S., C.P. The enclosed narrative will outline Dr. Stoughton's efforts on behalf of the profession, his fellow surveyors and his students.

If you or the review committee have any questions, please feel free to contact me.

Sincerely,

S. Dennis Dawson, P.L.S. PLSW President

NARRATIVE TO SUPPORT THE NOMINATION OF DR. HERBERT W. STOUGHTON, P.E., P.L.S., C.P. FOR THE

NSPS SURVEYING EXCELLENCE AWARD

The nominee, Dr. Herbert W. Stoughton, has been a dedicated surveyor and mapper for nearly forty-five years. He received his formal surveying education under the watchful eyes of Ralph Moore Berry [a founding member and Honorary Member of ACSM] and Ira Alexander [past president of ACSM]. Since 1960, he has been employed as a surveyor, mapper, geodetic engineer, physical scientist, and geodesist for various, municipal, state, and Federal agencies, and in the private consulting sector. The reader is referred to Dr. Stoughton's resume, which accompanies this narrative.

Although "Dr. Herb" has had a successful working career by any standard, his associated activities in the community and the professional societies commend him for this nomination. While still in college, he was admitted to membership in the American Congress on Surveying and Mapping; American Society of Photogrammetry; American Geophysical Union (Geodesy Section); and the Canadian Institute of Surveying. While in graduate school at the University of Michigan he became active in committee work in the ACSM Control Surveys Division (CSD). In the mid 1970's, he was appointed CSD Reporter/Editor, and later was elected a CSD Director, finally serving as Chairman. In 1977, he was appointed ACSM Book Review Editor. Between 1977 and 1985, he wrote literature reviews for 84 publications. Twenty-two of his papers have been published in various ACSM publications. He has presented nine papers at the ACSM conventions. Stoughton has served at the ACSM representative to ABETITAC; chairman of the ACSM Bylaws Committee; and member of the Education, Publications, and Membership committees. Other writings have appeared in various national and overseas publications. He authored the topic "Geodetic Ground Positioning" in The Encyclopedia of Solid Earth Geophysics and has published several books. Finally, he was

elected to two terms as ACSM Director. Currently he serves on the qualifications review committee for the ASPRS Certified Mapping Scientist Program. For the past decade he has also been a technical subject reviewer for the Surveying and Mapping Division of ASCE.

After Dr. Herb moved to Wyoming, he joined (in 1983) the newly formed PLSW (1980). He immediately took an active role in the organization's activities both at the chapter and state level. Because of his extensive knowledge, he has been frequently called upon to give papers and seminars. Two of these works were seminars on Polaris observations and the introduction of least squares adjustments for practicing land surveyors. He volunteered his time to design the NAD83 State Plane Coordinate systems for Montana, Nebraska, and Wyoming. When Mr. David R. Doyle, from NGS, was unable to attend our annual meeting and present his seminar on modern geodesy, Dr. Stoughton capably filled in and presented Mr. Doyle's material, literally at a moment's notice. He has served as a member and/or chairman of the following PLSW committees:

By-Laws; History; Membership; Scholarship; Standards, Ethics, & Professional Practice. Occasionally, he has represented PLSW at the NSPS Board of Governors. In 1995, PLSW President James Claflin asked Dr. Stoughton to help write the history of PLSW. He completed the project in less than two months, and has maintained the "history" ever since. In 1994, President Chris Hamilton presented a special presidential citation to Dr. Stoughton stating: "The Professional Land Surveyors of Wyoming extend our appreciation and gratitude for your outstanding support assistance and guidance: Standards, Ethics and Professional Practice Chairman;

Education/Convention Chairman; Legislative Member; By-Laws Chairman; and Manual of Professional Practice Chairman". In the fall of 1996, Dr. Stoughton agreed to stand for election as PLSW State Secretary/Treasurer. He was elected and took office in 1997, and has served continuously ever since. His work as Secretary/Treasurer (a voluntary, nonpaying position) has been superb. It is estimated that Dr. Stoughton spends nearly five hundred hours handling the official business for the state organization. His work includes the official correspondence, agenda and minutes for the Board of Directors' and Annual meetings; collection and disbursement of the funds; financial officer for the Fall Technical Session; and publishing and mailing the annual reports and Directory. He instituted several financial reporting systems which permit the Board of Directors to quickly

(Continued on Page 16)

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Mile High City gets higher, thanks to new calculations

MEASUREMENTS RAISE LISTED ELEVATIONS FOR SITES ACROSS COLORADO

By Sarah Cooke
Associated Press

The Mile High City nickname may come up a little short when describing Denver.

The U.S. Geodetic Survey’s newest calculations show some parts of the city, including the state Capitol, are 3 feet higher than 5,280 feet. But geologists stressed that doesn’t mean Denver needs to change its famous nickname, and the mayor’s office said there are no plans to do so. “The Mile High City is kind of a signature name for Denver and I think that will always remain,” said Andrew Hudson, spokesman for Mayor Wellington Webb. “It sounds sort of unreasonable to say the Mile High Plus 3-Foot City.”

Reflecting cartographic accuracy more than geologic uplifting, the new calculations set the official heights of many Colorado landmarks and the central Rockies as much as 7 feet higher than previously thought.

The changes weren’t big enough to shake up the rankings of any of the state’s 54 14,000-foot peaks, however, or create any new Fourteeners.

Pikes Peak west of Colorado Springs gained 5 feet to 14,115 feet, while Longs Peak in north-central Colorado gained 4 feet.

The state’s highest point, Mount Elbert near Leadville, gained 7 feet to make it 14,440 feet above, sea level.

Other areas of the country also changed, but some of the biggest differences were found in the central Rockies, where the range’s strong gravitational pull has thrown off instruments used to measure elevation since the days of the Hayden survey in the 19th century.

In Wyoming, Grand Teton in Grand Teton National Park increased 5 feet to 13,775 feet above sea level. Franc’s Peak in the bordering Shoshone National Forest grew by 6 feet to 13,164 feet.

The highest point In Montana, Granite Peak, also jumped 6 feet to 12,807 feet, while Wheeler Peak In northern New Mexico is now 13,167 feet, about 5 feet higher than previously thought.

“It isn’t that the old surveys are wrong, it just means we have a new starting point,” said geologist Jack Reed with the U.S. Geological Survey. “It doesn’t necessarily mean the mountains are getting bigger,”

The revisions actually came about in the 1990s, when congress formally adopted the North American Vertical Datum of 1988, but are just now starting to show up on maps.

Number-crunchers at the U.S. Geodetic Survey used thousands of benchmarks created since the last comprehensive survey in 1929 to recalculate what is known as the geoid, an imaginary surface used to measure elevation that represents sea level.

Geologists also used satellite data that .shows, within millimeters, where the center of the earth’s gravity lies, said Richard Cohen, Colorado’s adviser to the U.S. Geodetic Survey.

“Some parts of the United States changed a little bit, while some parts changed a lot,” he said. “Of course, we have a lot of

Colorado’s elevation rose an average of 3 feet. Changes in flatter areas of the country, such as the Midwest and East Coast, measured less than a foot, Cohen said.

“Basically where things are flat, it doesn’t make much of a difference,” Reed said.

In Denver, a team of surveyors will spend a weekend running levels from four geographic benchmarks surrounding the capitol to install the capitol’s new mile high marker, probably sometime next spring, said Herbert W. Stoughton, a surveyor who heads Metropolitan State College of Denver’s surveying and mapping program.

“Every observation we read, we read to a tenth of a millimeter. It takes very precise, very specialized equipment to do this,” he said.

Two markers, one a brass cap and one an inscription, already line the steps claiming to mark the spot where the Capitol sits one mile above sea level.

The inscription, which reads “One Mile Above Sea Level,” was carved into the steps in 1947 after repeated thefts of a brass plaque at the top of the steps, according to state archives.

New measurements by a group of Colorado State University engineering students in 1969 prompted, installation of the brass cap three steps higher.

So how can Capitol visitors make sure they’re standing exactly one mile above sea level?

“My suggestion is you should lay across about six steps,” said Dan Hopkins, spokesman for Gov. Bill Owens.

2003 WES PROGRAM
PRELIMINARY 12-19-02

Thursday, February 6, 2003			1:00-2:15	Session 3B: (Surveying)	South Fork
1:00-5:00	PLSW Meeting	South Fork		MODERATOR:	
1:00-2:30	WACES Meeting	Laramie		“Common Cadastral Field Geodesy & the	
1:00-3:00	WACERS Meeting	Sheridan/Saratoga		HP48GX Calculator”	
2:30-2:45	Break	Terrace/Shoshone		Olian T. Shockley	
2:45-3:45	ASCE Meeting	Laramie	2:15-2:45	Cadastral Surveyor, BLM	
4:00-5:00	WSPE Meeting	Laramie	2:45-4:00	BREAK	
Friday, February 7, 2003				Session 4A: (Engineering)	Laramie
8:45-10:00	Session 1A: (Engineering)	Laramie		MODERATOR:	
	MODERATOR:			“Design & Repair of Rock Slopes WYDOT’s	
	“High Savory Dam”			Program for Safter Backslopes”	
	Mike Hand, Project Engineer			Mark Falk	
	Water Development Commission			“Innovations in Geotechnical Engineering, the	
8:45-10:00	Session 1B: (Surveying)	South Fork	2:45-4:00	Snake River Experience”	
	MODERATOR:			Jim Coffin	
	“Corner Perpetuation”			Session 4B: (Surveying)	South Fork
	R.L. “Rick” Hudson, PLS,			MODERATOR:	
	R.L. Hudson Land Surveying			“Role and Functions of the NGS/BLM State	
8:45-10:00	Session 1C (Products)	Sheridan/Saratoga		Geodetic Coordinator”	
	MODERATOR:			Mike Londe, PLS	
	“Geocomposite Subsurface Drainage Systems”			NGS/BLM State Geodetic Coordinator	
	Gregg Williams				
	Tenax Corporation			Saturday, February 8, 2003	
10:00-10:30	BREAK		8:45-10:00	Session 5A: (Engineering)	Laramie
10:30-11:45	Session 2A (Engineering)	Laramie		MODERATOR	
	MODERATOR:			“UW Student Design Presentations”	
	“Sherard Water Treatment Plant”			University Students	
	Brad Brooks, PE, Construction Project		8:45-11:45	Session 5B & 6B (Surveying)	South Fork
	Coordinator			MODERATOR	
	Bud Spillman, Water Treatment Division			“Introduction to Railroad Surveying and	
	Manager			Railroad Safety”	
	Cheyenne Board of Public Utilities			Gary Gable, PLS, Manager of Surveying,	
10:30-11:45	Session 2B (Surveying)	South Fork		Washington Infrastructure	
	MODERATOR:			Charlie Tucker, Project Manager Railroad	
	“Continuation/Discussion of Snake River			Services, Farnsworth Group	
	Resurveys and Current Private Surveys”		10:00-10:30	BREAK	
	John Lee, PLS		10:30-11:45	Session 6A: (Engineering)	Laramie
	BLM State Office			MODERATOR:	
	Jim Claflin, PLS			“Evaluation and Repair of the Murphy Creek	
	Jorgensen Engineering & Land Surveying, PLS			Bridges on I-25 near Kaycee”	
	Scott Pierson, PLS			Gregg Fredrick & Jerry Ellerman	
	Pierson Land Surveys PC			WDOT	
10:30-11:45	Session 2C (Products)	Sheridan/Saratoga	12:00-1:30	Joint Lunch	Big Horn
	MODERATOR:		1:45-2:45	State Board Update	Laramie/South Fork
	“Variable Speed Pumps and Applications”		3:00-5:00	WES Annual Business Meeting	
	Len Petersen, Grundfos Pumps Corporation			Laramie/Big Horn	
11:45-1:00	Member Lunch				
1:00-2:15	Session 3A: (Engineering)	Laramie			
	MODERATOR:				
	“Drought of 2001 in Wyoming Continued”				
	Pat Tyrrell, PE				
	Wyoming State Engineer				

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