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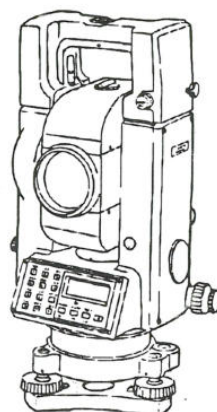


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MEMBER — WESTERN FEDERATION OF PROFESSIONAL SURVEYORS

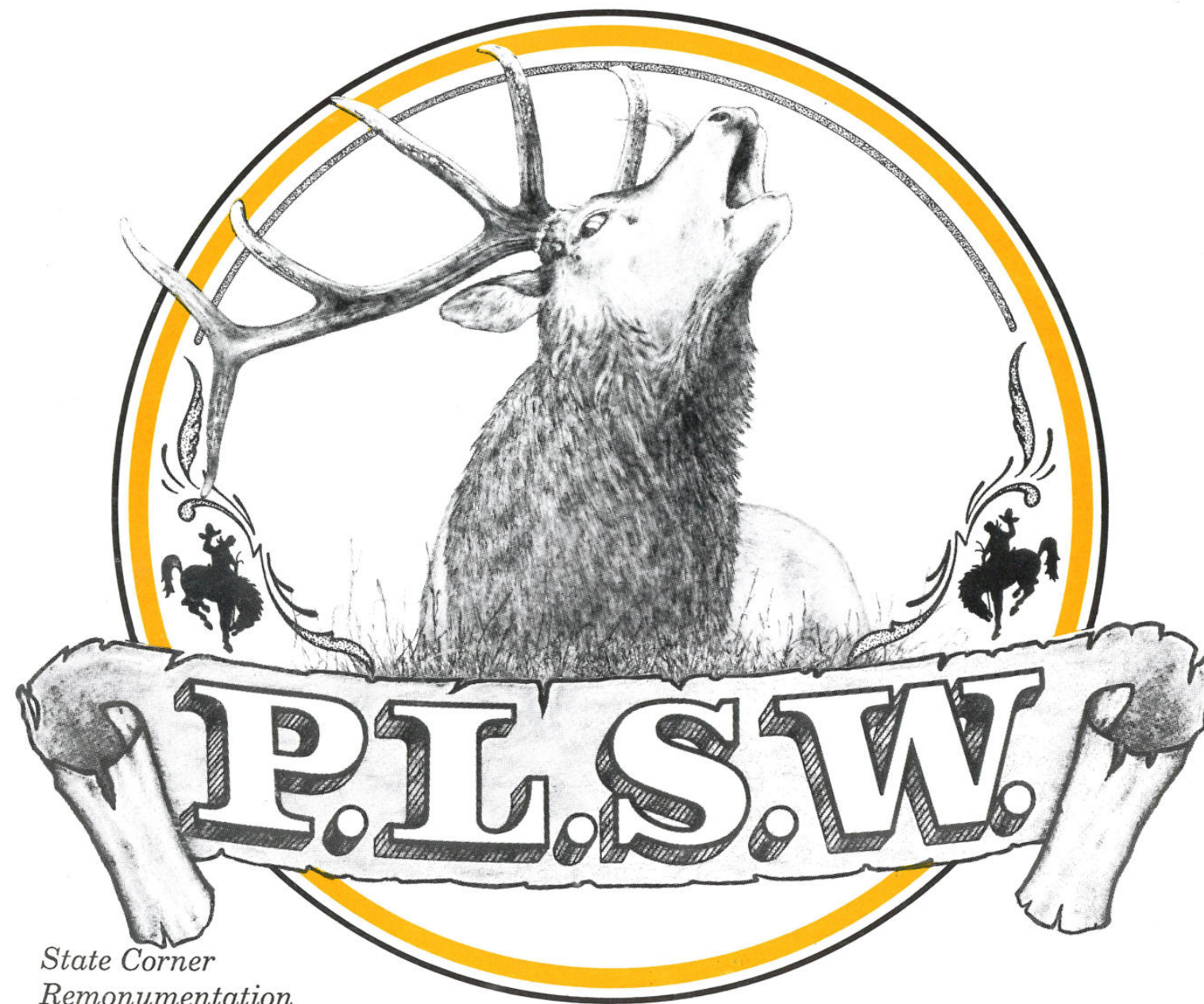
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VOLUME 4 NO. 3

OCTOBER 1992

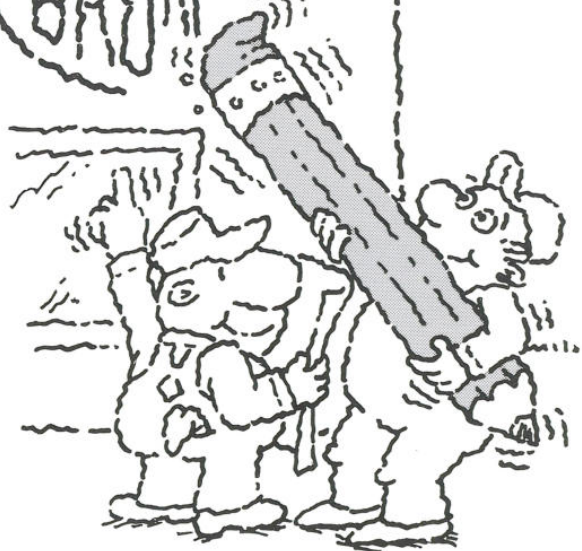


State Corner
Remonumentation
Page 9

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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&LS, in Wyoming.)

AFFILIATE MEMBER

_____ 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 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 R.L. Hudson, Sec./Treas., P.O. Box 784, Thermopolis, Wyoming 82443.



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BUSY MAPMAKERS RUSH TO JOIN
COMPUTER AGE

By Nita Lelyveld, Associated Press writer

WASHINGTON – It used to be that when the National Geographic Society published a map, it would print at least 80,000 copies. These days it's more like 5,000.

It's not for lack of interest. If anything, maps are more popular now than ever. But what's the point of printing tens of thousands when they could be out of date almost instantly?

"Cartographers as a rule enjoyed a very stable time period in the 1980s, but now we're getting used to change," said John F. Shupe, the society's chief cartographer. "Our maps are accurate the day we print them, but they may not last long after that."

Since Germany unified and the Soviet Union broke up, mapmakers have grown used to constantly revising their work. But revisions still don't come easily.

Many of the society's maps still are drawn and plotted manually. And the society's distinct typeface must still be positioned on each map by hand for each place name – each river, city, town and mountain range.

Automating the process of mapmaking is extremely expensive. But computers are gaining ground. New maps at the society are digitally scanned, with details converted into digital form. That information is fed into a color graphics computer, which creates lines on the maps, the map symbols and color patterns. A laser printer then imprints the maps onto film, which is converted to plates for color printing.

But the process of making a map still can take months and dozens of cartographers. And computers can't solve all of today's mapmaking problems.

Take the index in an atlas. If a country simply changes its name, a computer can replace the old name with the new at the touch of a button, said Shupe. But that can't be done when one country becomes 15 – as in the case of the Soviet Union, he said.

Even computerization is time consuming, said Dr. Michael Dobson, chief cartographer at Rand McNally in Skokie, Illinois. The first large step toward automation is the creation of a computer database, or information storehouse, for a country or region, he said.

To put together a U.S. database, Rand McNally cartographers spent about 3 1/2 years creating what was, in essence, a large-scale map of the country. It reproduces all the states on the same scale and with the same level of detail.

"One of the problems with individual maps is that frequently, if you go from one map to another, you won't find the same amount of detail, and you may not have the same type of content," Dobson said. "In some states, you have a great deal of unpaved roadway. But if you're making a general-purpose highway map, you may not include it. Maps differ depending on why they were made."

Once the details are stored in a computer, any number of things become possible, Dobson said.

"You can decide to make a map that shows one particular highway from start to finish, or you can make a map of a group of states," he said. "You can extract what you want from the database."

1993 road atlas, and is at work on a database of Europe. Hammond Inc. of Maplewood, N.J., used a similar system for its world atlas due out this fall, said spokeswoman Gwen Baker. And the National Geographic Society is also busy building databases.

National Survey Technician
Certification Program

In order to recognize the skills and accomplishments of the survey technicians, the American Congress of Surveying and Mapping, through its member organization the National Society of Professional Surveyors has developed a program to grant certification to qualified individuals.

To qualify as a Certified Survey Technician, a person must be able to demonstrate their skills and knowledge through a standardized test and have completed the required experience. There are two tracks within the program. One is aimed at the field technician with a focus on data collection and measuring skills. The other track is directed towards the office skills with drafting and computer emphasized. Each track consists of four levels from entry level, which is the same test for either track, to a chief of parties or office manager level. Total experience of over five years is required to qualify for the top level exam. It should be noted that a person does not have to enter the program at Level I if experience can be verified to qualify for a higher level.

The certified technician program has a multitude of benefits for both the technician and the employer. First, when applying for a job, the certified technician has verification that they possess the skills and knowledge for the applied position. From the employer's point of view, this will aid in the identification of qualified applicants when reviewing resumes and applications. Second, on the job, the certified technician will be recognized as a knowledgeable and valued staff member. The employer can use this status as a marketing tool. By having certified technicians on staff, the employer can demonstrate that employees are trained and qualified. Additionally, the survey technician can use this program as a standard to measure their own growth within the profession and as a source of pride as they advance through each successive level. The employer can tie this advancement to pay and benefit increases.

The cost to apply for the technician certification program is only \$25.00. There is an additional \$75.00 examination fee. The examinations are conducted four times per year at locations through the country. Recent exam sites in Colorado have been Metropolitan State College in Denver, and Technical Trades Institute in both Grand Junction and Colorado Springs. Nationally, over 750 individuals have applied and tested over the past 4 years. It should be noted that ACSM membership is not required.

For more information regarding the National Survey Technician Certification Program contact ACSM Headquarters, STCP, 5410 Grosvenor Lane, Suite 100,

Editorial Potpourri*

- Chapter Minutes – Send us a summary of your organizations activities by 15 DEC 1992. Summaries need not be typed.
- Join PLSW Now - *Lines and Points* mailing list will be revised for the next issue. Only PLSW members, advertisers and other state newsletters will receive this newsletter. Join NOW. An application is included in this issue. If you are a member, recruit a new member. Part of PLSW membership dues make this publication possible.
- Support Your Advertisers - The advertisers in this issue help make this publication possible. Support them.
- PLSW Board Meetings - The meetings of the PLSW Board of directors will be held in Thermopolis in December 1992.
- NEW MEMBERS OF PLSW

Peter M. Jorgensen Jackson Member
James W. Farren Golden, CO Associate

Welcome and congratulations to our
new members

- FAX Receiving - *Lines and Points* can now receive your important materials by calling 307-235-5604.
- ROUTE SURVEYING (CE4710) – An audio-teleconference course in Route Surveying is being offered by UW. The course helps to fulfill the requirements for the Surveyor-in-Training exam. For more information call 800-448-7801, extension 5.
- MULTI STATE REGISTRATION – The NCEES can help make multi state registration easier. The Council verifies and houses the record holder's transcripts, registration information, professional references, and employment verifications. When registration in additional states is needed, a copy can be transmitted to the state registration board. For additional information, contact NCEES Records Department, P.O. Box 1686, Clemson, SC 29633-1686, telephone 803-654-6824.
- ANNUAL MEMBERSHIP MEETING – The annual meeting of PLSW members will be held at the WES Annual Convention in Laramie February 4-6, 1993.
- JOHN FRANCIS "JACK" HART – PLS 412 – Jack Hart, a fellow surveyor, died in Lander on August 18, 1992. Jack was 65 when he lost his battle with cancer. He was a member of ACSM and was planning to join the Central Chapter of PLSW. Jack was employed by the Wyoming Highway Department for many years, resigning to begin private practice. His firm was known as The Company, providing land surveying services in Fremont County.

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PLSW (Professional Land Surveyors of Wyoming) is a state-wide 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:

	Year	Issue
Full page	\$300	\$80
Half page	\$175	\$50
Quarter page	\$100	\$30
Business card	\$ 30	\$10
Classified	40¢ per word/issue	
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Special Rates for PLSW Chapters

Deadline for fall issue – Dec. 15, 1992

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President's Notes

With summer behind us, 1992 is beginning to wind down. I'm not sure about you, but fall seems to be to be almost busier than summer. All my clients are rushing to do the projects they have put off or want to get done before bad weather. Also, lots of people are off hunting or vacationing. Keeps all hands busy.

PLSW has been continuing to work for the surveyors. Through the hard work of the Northwest Chapter, especially that of Harvey Copeland, a revision of the Certified Land Corner Recordation has been prepared and submitted to the State Board of Registration. Mr. Scherbel advises us that he will revise the proposed form, and PLSW is hoping to review it before it is adopted. PLSW was instrumental in getting the current 11" form adopted, but its weaknesses have been exposed during the couple of years it has been in use, and we are asking the Board to give us another chance. PLSW is planning to mail out the revised form with the election ballots in December or January, so every member will have a chance to vote on it, and we can present a majority opinion to the Board.

Among the benefits of PLSW which most members want are educational programs at a convenient time and affordable price. Currently one idea is to have a 1-day seminar during the same week as the Wyoming Engineering Society convention. Stan Abell heads the education committee, and he would like to hear from members with time and subject suggestion. (For the address and phone number of Stan or other members, consult your PLSW notebook.)

The nomination committee, headed by Bob St. Clair, is interested in nominations for any of the offices of PLSW (president, vice-president and secretary-treasurer). If you would be willing to help out your profession, please contact Bob.

The PLSW legislative committee will be continuing to work to get the Record of Survey legislation passed. John Steil conducted a poll of members, and this legislation was felt to be the most needed. John needs every member's help. With the new legislative districting, it is an ideal year to get in touch with your representative and senator and ask their help. Specifically, PLSW would like a strong group of legislators to sponsor the Record of Survey legislation to give it the best chance.

To complete this message, I would like to express a personal opinion. I feel that the survey profession in Wyoming has an abundance of conscientious professionals practicing very well. I do not think that it does any good for individuals, no matter what their status, to berate those who are performing at a professional level and are willing to expend time and effort to help the profession. All of our time would be better spent in improving the profession through education and through policing our ranks as needed.

Good luck to all the hunters and to all of us to get our projects done as soon as possible before the brunt of winter hits Wyoming.

Becky Braman

NCEES LAND SURVEYING EXAMINATIONS
Candidate Volume/Passrate (%)

Examination	* 8710	8804	8810	8904	8910	9004	9010	9104	9110	9204
Fundamentals of Land Surveying 1st Timers	1583/42	1992/47	1797/45 1028/50	2013/57 1080/58	1867/51 1107/56	1888/49 1119/55	1798/49 1044/55	1911/55 1115/61	1666/46 1022/53	1852/49 1053/56
Principles and Practice Part 1 (Morning Exam) 1st Timers	987/60	1068/61	896/41 538/53	1015/56 594/67	987/56 628/62	1136/58 671/65	1048/61 659/68	1047/53 615/66	958/49 568/55	1147/52 618/57
Principles and Practice Part 2A (Public Domain) 1st Timers	327/73	486/68	354/72 161/75	489/48 244/50	421/49 203/47	521/54 313/60	443/52 266/56	482/52 285/59	375/49 199/56	477/54 288/56
Principles and Practice Part 2B (Colonial States) 1st Timers	606/59	628/67	604/42 247/44	574/46 226/48	753/54 298/53	689/50 382/53	639/47 382/50	663/51 349/57	652/49 357/50	642/50 315/57
PLS 1 & PLS 2A 1st Timers	203/66	297/71	137/65	326/56	268/49	331/57	276/53	304/53 221/60	218/51 154/60	325/57 244/61
PLS 1 & PLS 2B 1st Timers	307/52	341/58	344/57	335/47	442/50	475/50	480/50	474/44 297/52	487/46 305/51	480/50 259/58

NSPS
NOTICE
OF AWARDS

The National Society of Professional Surveyors sponsors four 1993 awards for excellence in the surveying profession.

SURVEYING EXCELLENCE AWARD

Staff Liaison: Pat Canfield ■ ACSM/NSPS, 5410 Grosvenor Lane, Bethesda, MD 20814-2122

Presented to a person who performed outstanding service to the surveying profession, this award includes an engraved plaque and a \$500 honorarium contributed by POB Publishing Co., Wayne, Michigan.

The person does not have to be a surveyor or a member of NSPS or ACSM, but candidates must be nominated for the award by an ACSM affiliate section or two NSPS members at large. If nominated by an ACSM section or affiliate, the nomination must be signed by two officers of the organization. If nominated by two NSPS members at large, the nomination must be signed by the sponsors and accompanied by four letters of recommendation.

Each nomination must include a narrative stating the reasons why the sponsors feel the nominee is deserving of this honor, specific accomplishments the nominee has made toward the profession and biographical data that can be used in the award presentation.

The staff liaison must be notified of any nomination by December 1, 1992.

MOST INTERESTING SURVEYING PROJECT OF THE YEAR AWARD

Staff Liaison: Pat Canfield ■ ACSM/NSPS, 5410 Grosvenor Lane, Bethesda, MD 20814-2122

This award consisting of a Pentax IQZoom 105 Super 35mm camera with case, a plaque, and 1000 reprints of the resulting published article contributed by Pentax Corporation, Englewood, Colorado, is presented to individuals, companies, governmental units, or state associations having knowledge of interesting projects and the ability to provide documentation of the project—technical information, releases, photographs, and a record of the personnel and equipment involved. The project need not have occurred in the last year.

Interested candidates should submit a project by December to P.O.B., Attn: Most Interesting Surveying Project, 5820 Lilley Road, #5, Canton, MI 48187. Winner will be selected by the NSPS Awards Committee.

STUDENT PROJECT OF THE YEAR AWARD

Staff Liaison: Pat Canfield ■ ACSM/NSPS, 5410 Grosvenor Lane, Bethesda, MD 20814-2122

This award consists of a plaque and a \$150 honorarium, contributed by C&G Software Systems, Inc., Atlanta, Georgia, as well as paid travel and lodging expenses to the ACSM-ASPRS Spring Convention.

A submitted paper should describe a project in which the applicant was a participant and may involve a group of students and/or non-students. The paper must be written by one person only. Advice and constructive criticism from the applicants' instructor or supervisor is permissible and encouraged. The project need not have occurred within the preceding 12 months. All papers submitted will be considered for presentation and publication by ACSM. Specifications for the format of the manuscript can be acquired from the staff liaison.

Completed papers should be submitted to the staff liaison by December 1, 1992.

EXCELLENCE IN PROFESSIONAL JOURNALISM

Chairperson: Kenneth S. Curtis ■ 2204 Happy Hollow Road, West Lafayette, IN 47906

An engraved plaque is presented annually to the ACSM affiliate society whose newsletter was judged to have the highest quality during the previous year. In the past, judging was made by the editors or publications chairmen of the newsletters participating in the contest. Any editor wishing to participate should contact the chairman for information.

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NOMINATION PROCEDURE FOR HONORARY MEMBERSHIP

Membership Committee, Stanton J. AbeII and R.L. Hudson, Co-chairmen Adopted by the Board of Directors, 12 September 1992

SECTION I - INTRODUCTION

This paper has been prepared by the Membership Committee of PLSW at the request of President Becky J. Braman as set forth at the Board of Directors' meeting held on May 16th, 1992. It has been recognized by said board that a standardized procedure must be established in regard to the nomination and acknowledgement of persons designated "Honorary Member" of PLSW.

SECTION II - AUTHORITY

Article II, Section I.f., of the By-Laws of the Professional Land Surveyors of Wyoming, a non-profit corporation existing under the laws of the State of Wyoming, states:

"An Honorary Member shall be defined as a person not less than fifty (50) years of age recognized as an individual of superior stature in professional land surveying or in the fields closely related thereto and whose nomination has been approved by the Board of Directors."

SECTION III - NOMINATION PROCEDURE

Nomination of an individual meeting the above requirements may be made by a chapter or by any member in good standing of PLSW. The nomination must be in written form and shall include enough personal and professional history of the individual to familiarize the board members with the background and professional accomplishments of the nominee.

The nomination document may then be submitted to the Secretary of PLSW for inclusion as an agenda item at any board meeting not less than ninety (90) days in advance of the next annual state meeting. It is recommended this be done for the September board meeting. The board shall then consider the matter by formal vote and authorize the chairman of the Professional Awards Committee to obtain a suitable plaque where such vote is affirmative.

SECTION IV - ACKNOWLEDGEMENT PROCEDURE

The individual named as Honorary Member will be notified, in writing, by the President, and invited to attend the next annual state meeting. At such meeting said individual will be acknowledged and receive a plaque from the President. A membership certificate and card will also be prepared and sent to the individual by the Secretary.

William H. Smith, L.S. 470

1921-1992

Services for William H. Smith, 70, of Green River were conducted at the Green River Bible Baptist Church. Burial was in Riverview Cemetery.

Mr. Smith died October 15, 1992, at the Saint Charles Hospital in Bend, Oregon. He was born December 26, 1921, in Mount Vernon, South Dakota, to the late Percy Wiley and Minnie May Alexandra Smith. He attended schools in Wiser, Idaho; Alton, Oklahoma, Bend and Redmond, Oregon, and was a graduate of high school in 1939.

On February 27, 1956, he married the former Ann V. Laurunen in Rock Springs. She preceded him in death in February 1986.

Mr. Smith, a retired owner and operator of William H. Smith and Associates which he founded in 1967, worked as a surveyor until retiring in April 1987. He was a member of the Baptist Church, the Wyoming Engineering Society, National Society of Professional Surveyors, American Congress of Surveying and Mapping, the Past President of Wyoming Association of Consulting Engineers and Surveyors and the National Society of Professional Engineers. He was a Charter and honorary Member of the Professional Land Surveyors of Wyoming and was a U.S. Air Force veteran of World War II.

Survivors include one son, Mark Smith of Washington; one stepson, John Dolinar of Green River; three daughters, Wendy Rowley of Green River, and Bonnie Bolman and Toni Casserini, both of Washington; one stepdaughter, Diane Norman of Moab, Utah, one brother, Jack Smith of El Toro, California; and one sister, Dorothy Moore of Mount Vernon, Texas. Several grandchildren and several nieces and nephews also survive.

PLSW BOARD MEETING

PLAN TO ATTEND

SATURDAY, DECEMBER 12, 1992

THERMOPOLIS, WYOMING



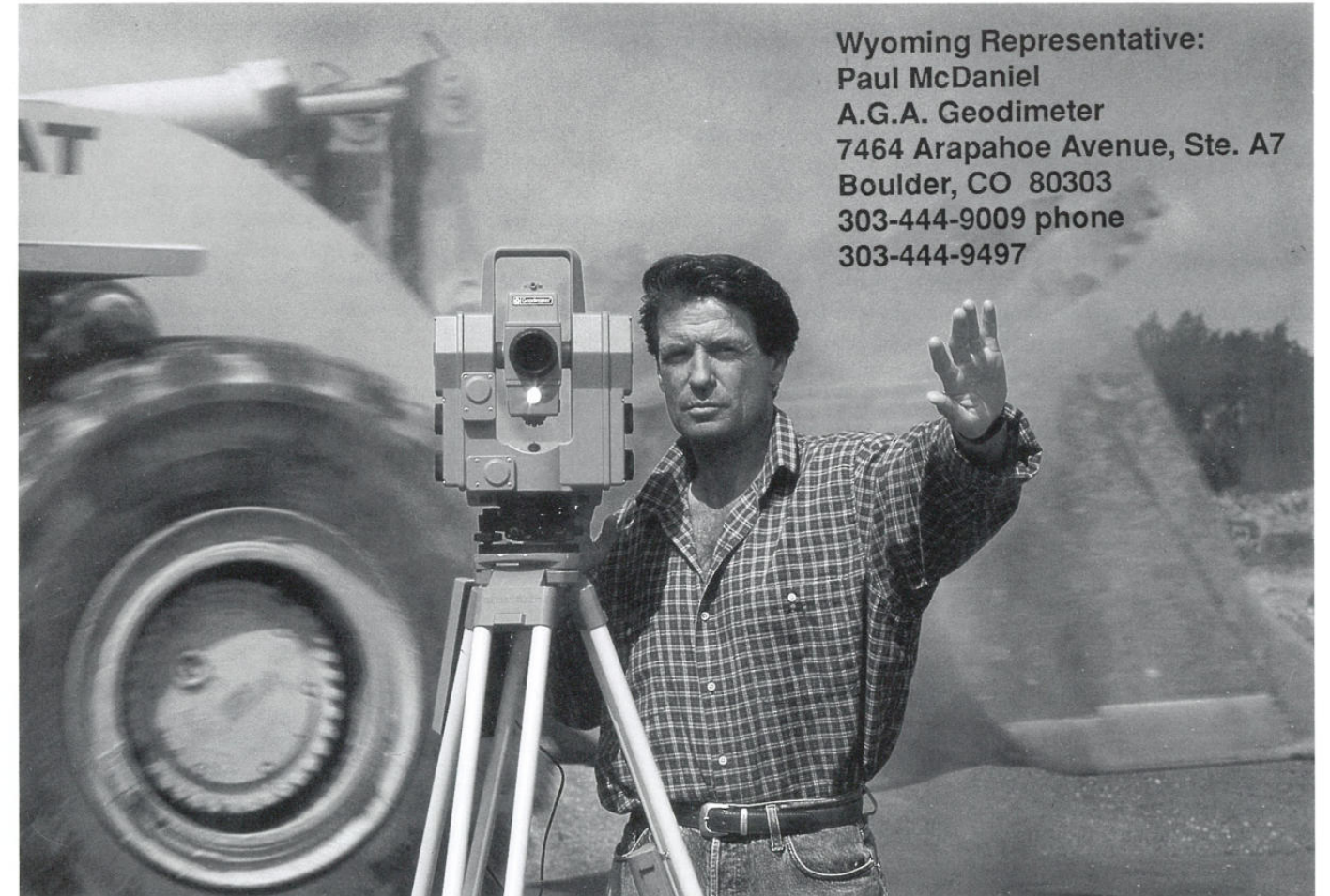
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GPS on Gannett Peak

By Rich Greenwood – Central Chapter

Wyoming's highest point, Gannett Peak, was named for Henry Gannett, chief topographer of the Hayden Survey and later, head of topographic surveys for the U.S.G.S.

The PLSW Central Chapter decided to under take a GPS survey Gannett as a chapter project. The first phase of the project was completed August 28-31. The Hailey, Idaho survey company, Equinox, Inc. lent three Trimble GPS receivers to the project. The receivers were put on Gannett's summit, a first order U.S.G.S. station southwest of Dubois, and a random point east of Pinedale.

The summit receiver was carried in on a four day trip from Dubois. Mike Minear, of Nelson Engineering, horse packed equipment and supplies for the climbers which included Dan Harmening, Vice President of the Equinox, Inc., Rich Greenwood and Jeff Scully from Pierson Land Surveys and Matt Hutchinson. The climb began at 3:00 AM on a dark, moonless morning. The summit was reached at 8:00 AM and two satellite sessions were observed.

The U.S.G.S. station "Circle" involved an overnight horse packing trip by Chris Hamilton and Harold O'Malley of Spurlock and Assoc. In addition to their GPS receiver, Chris and Harold packed in prisms and a T-2. With the aid of C.E. Spurlock, Jr. and Charlie Spurlock, of Spurlock and Assoc., Bruce Hughes with R.V.E.A., and Gary Hatle from Apex Surveying, trig elevations were run out a bench mark along Highway 26.

Roger Brink, president of Equinox, Inc. and Joe Gonzales from Spurlock and Assoc., set a random point in Elkhart Park, east of Pinedale.

The second phase of the project will involve additional GPS ties to vertical bench marks on both sides of the

divide for geoid modeling and possibly a GPS traverse over Union Pass.

(Editors Note: Henry Gannett was one of the three original founders of the National Geographic Society. His grandson, Farley Gannett, was a founder of Gannett Fleming Engineers, one of ENR's top 30 engineering/surveying firms.)



Left to Right: Rich Greenwood, Matt Hutchinson and Dan Harmening



Gannett Peak in background. Left to Right: Mike Minear, Dan Harmening, Rich Greenwood, Jeff Scully and Matt Hutchinson.

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BLM Update

This letter is to inform you of official cadastral surveys in Wyoming that have been accepted from July 1, 1992, through September 30, 1992, and are now available in the Survey Records Office, Wyoming State Office, Bureau of Land Management, 2515 Warren Avenue, Cheyenne, Wyoming 82001.

The accepted surveys are listed below by township, range, type of survey, meridian, and acceptance date.

Sixth Principal Meridian, Wyoming

<u>Township and Range</u>	<u>Type of Survey</u>	<u>Meridian</u>	<u>Accepted</u>
T.51N.,R.68W.	Dependent Resurvey	6 P.M.	09/30/1992
T.52N.,R.68W.	Dependent Resurvey	6 P.M.	09/30/1992
T.24N.,R.119W	Dep. Res. & Subd.	6 P.M.	09/30/1992
T.26N.,R.71W	Supplemental Plat	6 P.M.	09/30/1992
T.45N.,R.95W.	Supplemental Plat	6 P.M.	09/30/1992
T.47N.,R.95W.	Supplemental Plat	6 P.M.	09/30/1992

CORNER REMONUMENTATION PROJECT

On October 6, 1992, the Bureau of Land Management (BLM), Wyoming State Office, Branch of Cadastral Survey, assisted by representatives from the BLM, Colorado State Office; the National Geodetic Survey; U.S. Park Service; Colorado and Wyoming Department of Transportation; and members of the Professional Land Surveyors of Colorado remonumented the 71st and 72nd mile posts on the Colorado-Wyoming State boundary. The new monuments are a stainless steel post set in concrete for the 71st and a brass tablet monument cemented in stone for the 72nd.

The following is the brief history of the 71st and 72nd mile posts on the Colorado-Wyoming State boundary.

A.V. Richards surveyed the south boundary of the Wyoming Territory in 1873, setting wooden posts at 1 mile intervals, as per instructions.

Alonzo H. Adams and Roy E. Chase dependently resurveyed the Colorado-Wyoming State boundary between the 70th and 95th mile posts in 1923, remonumenting the 71st and 72nd mile posts with granite stones.

This effort is in support of the realignment of U.S. Highway No. 287 in the vicinity of the Colorado-Wyoming State boundary.

CHANGE IN PERSONNEL

Mr. Dale Wilson, our former Gillette Project Office Manager, was selected and promoted to the Field Section Chief position at the Arizona State Office, Bureau of Land Management. Last June, Mr. Wilson moved to Phoenix, Arizona, to begin his new job. In August, Mr. James Claflin was promoted to succeed Mr. Wilson as the BLM Gillette Project Office Manager.

If you need any further information, please let me know, my phone number is 307-775-6216.

John P. Lee, Chief, Branch of Cadastral Survey



Governor Mike Sullivan dons a PLSW hat, at Cokeville Remonumentation Ceremony.

BLM, Jerry L. Messick, Gordon M. Dress and Paul Scherbel.

Committee members included Donald M. Schramm, Wyoming; Dennis D. Bland, Wyoming; Darrel J. Short, Wyoming; Gary Oviatt, Idaho; M. Ross Workman, Utah; Faye N. Taylor, Wyoming; Nadene Dana, Wyoming; Kim H. Leavitt, Idaho; John I. Dolinar, Wyoming; John A. Teichert, Wyoming; and Paul N. Scherbel.

Those agencies, societies and businesses volunteering time and money include The Bureau of Land Management, Town of Cokeville, County of Bear Lake, Idaho, Cokeville Chamber of Commerce, County of Rich, Utah, County of Lincoln, Wyoming, Idaho Association of Land Surveyors, Utah Council of Land Surveyors, Professional Land Surveyors of Wyoming, Wyoming Association of Consulting Engineers and Surveyors, Jorgensen Engineering and Land Surveying, Inc., Pierson Land Surveys, Thornock Ranches, Gordon Thornock, Valley Hi Motel, Boy Scouts of America and Surveyor Scherbel, LTD.

We would like to thank Paul Scherbel and Scott Pierson for photographs and the *Star Valley Independent*, from which this is referenced.

L & P Staff



Paul Scherbel receiving plaque from Francis Eickbush, Director of Cadastral Survey with John Lee, Chief, Branch of BLM.

Use of PLSW Name and Logo

"Full Members shall be authorized to use the name of the PROFESSIONAL LAND SURVEYORS OF WYOMING or its approved abbreviation ("PLSW") after their names, and also to use the official emblem, name or abbreviation on stationary, business cards and brochures. The organization name, abbreviation or emblem shall not be imprinted upon drawings, reports, specifications, calculations or other instruments of service prepared or used by members. Any use of the organization name, abbreviation or emblem shall only be made to signify affiliation with PLSW and shall not be made in any manner that could reasonably suggest that the Member necessarily represents, or is the PLSW. Member use of the name, abbreviation or emblem for promotional items without prior written approval by the PLSW Board of Directors is prohibited. Such approvals shall require formal Board action."



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Board of Directors' Meeting Summary

The summer meeting of the Board of Directors was held in Jackson on Saturday, September 12, 1992.

The meeting was held at the office of Nelson Engineering with member Mike Quinn, of the hosting Central Chapter, having made the arrangements for the use of the facilities.

President Becky Braman called the meeting to order at 10:05 A.M. with 13 PLSW members in attendance. All members of the board were present or represented with the exception of the South Central Chapter Director.

Minutes of the board meeting, held in Cheyenne on May 16, 1992, and previously mailed to board members were approved as submitted. The summary of said meeting appeared in the July edition of "Lines & Points".

Rick Hudson presented the treasurer's report which consisted of the latest bank statement as well as a listing of expenses since the last meeting and a balance sheet for the year to September 1.

Becky Braman gave an oral report as NSPS governor by mentioning the upcoming November meeting in San Jose and the concern being caused by continuing railroad abandonment-throughout the country.

John Steil, as WFPS delegate, mentioned the upcoming "West Fed" conference to be held at South Lake Tahoe next April. He also stated that Denver is a possible site for the 1995 conference. Also mentioned were proposed changes concerning the status of U.S. Mineral Surveyors as well as changes regarding WFPS funding sources.

Reports were presented by the following committees; Elections, Education, Legislative, Scholarship and Certified Land Corner Recordation. The reports were augmented by general discussion.

Most of the discussion centered around the report given by Harvey Copeland concerning the latest proposed format for Certified Land Corner Recordation forms. Copies of that format were distributed and he stated that he had presented it to the Board of Registration for Professional Engineers and Professional Land Surveyors at the meeting last Tuesday in Cheyenne. Paul Scherbel, PLSW honorary member and member of that board, supplied additional information. Following a general discussion, a motion was carried wherein the final format will be considered on the 1993 PLSW ballot.

Following a short break, the board voted in favor of the Articles of Affiliation, between NSPS and PLSW, that were presented at the May board meeting and discussed at chapter level this summer.

Chris Hamilton presented a revised version of the proposed state plane coordinate system legislation. Directors will present this matter to their chapters for input with a final recommendation to be made at the December board meeting.

Orders will be taken by the secretary for PLSW flags and it is hoped they can be distributed at the annual meeting in Laramie.

The report concerning the "Save Our Surveyors" honorarium proposal was postponed until the December board meeting.

What started as a report concerning proposed rule changes of the Board of Registration's June meeting in Cody ended as a general discussion centered around the issue of monumentation of controlling 1/16 corners.

For the second time this year, PLSW now has an "official" policy. At the May board meeting a policy was adopted concerning the use of the PLSW logo. At this meeting a policy was adopted in regard to the nomination of honorary members. Both of these policies will be published and distributed to PLSW members.

The board approved applications for membership from two individuals at this meeting; one affiliate and one member.

A report was given by Marlowe and Paul Scherbel concerning the remonumentation project, near Cokeville, of the Professional Surveyors of the 6th P.M. It was reported that approximately 500 persons attended the dedication, in that town, on Friday the 28th of August. The project involved the remonumentation of the state corner common to Idaho, Utah and Wyoming, as well as the rehabilitation of the initial point of the 42nd Parallel survey of the Idaho - Utah boundary.

Rich Greenwood, Central Chapter president, reported on that chapter's project during the last weekend of August, to determine the elevation of Gannett Peak by GPS methods. Equinox, Inc., of Hailey, Idaho, provided personnel and equipment.

The next meeting of your Board of Directors will be on Saturday, the 12th of December, in Thermopolis.

Announcements concerned work toward establishing a new EDM calibration baseline somewhere in Fremont County and the recent NGS measurement of a new baseline near Cheyenne.

Permission was given to the Northeast Chapter for use of the PLSW logo in conjunction with their upcoming raffle of a rifle, the proceeds of which go toward a scholarship at Northern Wyoming Community College.

The meeting was adjourned at 1:15 P.M., wherein members were invited to a luncheon at Tortilla Flats, a new restaurant in Jackson.

Dated this 17th day of September, 1992.

R.L. Hudson, Secretary/Treasurer

PLSW Key Rings are for sale. Send \$5 to:
P.O. Box 904 • Casper, WY 82409

TID BITS From the Board of Registration

By Christine Turk

The Board adopted modifications to the Rules and Regulations at its September 1992 meeting. The rules are now in the process of being approved by the Governor and the Secretary of State. Once approved, the rules will be printed and distributed to the registrants. However, I do not expect a mass mailing of the new rules to be prepared prior to the first of the year.

The following are changes, in part, that will impact Wyoming surveyors:

CHAPTER VIII SECTION 3 (a)

PREPARATION AND FILING OF CERTIFICATES

"Certificates required to be filed under this Chapter shall be prepared upon bond paper, in a form prescribed by the Board. This does not preclude the use of word processor or computer generated form that is identical to the format prescribed by the Board. The Cross Index Plat may be used as designed by the Board to provide the alphabetical-numerical coordinate for each Certificate. It is the responsibility of the Professional Land Surveyor not the client to file the corner records as required."

CHAPTER VIII SECTION 3 (xiv)

"Restoration, rehabilitation, and perpetuation of corner monuments is emphasized in accordance with W.S. Section 36-11-107. The words established or reestablished as used in the Manual shall mean to determine the true position of a corner and mark it with a permanent monument. For the establishment of supporting corners in the legal subdivision of a section as described in the "Manual of Instruction for the Survey of Public Lands of the United States

No supporting corners for areas smaller than quarter quarter sections (1/16th corners) must be monumented.

The Board is also in the process of adopting changes to the Wyoming Take-Home Examination and the Wyoming State Specific Examination. In addition to changes to the land surveyor exams, an independent grader has been selected by the Board, and all future exams will be graded by the independent grader. Names of individuals interested in grading the land surveying examinations were solicited by the Board. As there were no written responses to the solicitation, the Board proceeded by asking a registered land surveyor, whom the Board determined to be competent, to grade the exams.

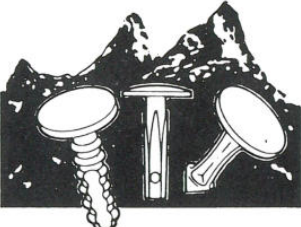
Names of individuals interested in assisting the Board in complaint investigations were also solicited. The Board received a few responses and will contract with these individuals when necessary.

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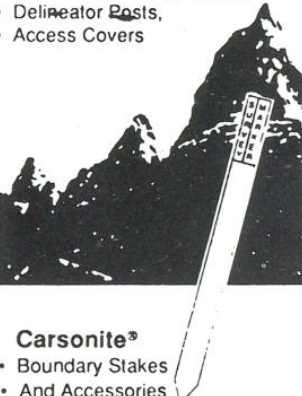
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NGS News

The National Geodetic Survey has issued instructions to its field personnel to perform reconnaissance for Third-Order, Class I GPS surveys in support of the FAA Airport Datum Monumentation (ADAM) and LORAN programs. Eleven airports in Utah and six airports in Wyoming will be reconned. Minimum monumentation at each airport will include a station mark and an azimuth mark. Other survey marks or points may be positioned. Underground (subsurface) and reference marks are not required.

Three existing NGRS (National Geodetic Reference Stations) are also reconned, and must be Second-Order control or better, and should be within 50 km of the airport. The Wyoming airports are: Big Piney - Marbleton; Buffalo/Johnson County; Fort Bridger; Lusk Municipal; Saratoga/Shively Field; and Laramie/Gen. Brees Field.

The point of contact for this project is Mr. Richard Cohen; NOAA RC; 325 Broadway; Boulder, Colorado 80303; (303) 497-6530.

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Remonumentation of the Tri-State Corner for Wyoming – Utah – Idaho and the Initial Point for the 42nd Parallel

In 1871 Daniel Majors performed the original survey of the Wyoming-Utah-Idaho State Line from Evanston to Yellowstone Park. The Tri-State position was established and monumented with three sandstones, one marked for each state, ie: "W", "T" and "U", a wooden post and the earthenware pint bottle seen at the P.L.S.W. annual meeting in Sheridan. Three short years later, 1874, A.V. Richards corrected this position by moving the corner 56± chains westerly. Not until 1915 when Kimmel and Voight resurveyed, and set a sandstone marked "1915" and "Wyo", was the position confirmed. At this point, Majors corner was referred to as the "Initial Point" and also MP O for the States of Idaho and Utah on the 42nd Parallel.

Paul Scherbel recovered the Kimmel-Voight corner in 1985. However, it had floated down a steep incline and was deemed lost by Surveyor Scherbel. This lost position is about ten miles southwest of Cokeville, Wyoming.

In 1991, with Paul as a volunteer, the Bureau of Land Management Cadastral Division undertook the reestablishment of this lost position. The position was set and monumented with a standard B.L.M. brass cap.



Paul Scherbel at original Stone Corner with Crock Pint Bottle, accessory to the "Initial Point."



Crock Bottle Accessory to Kimball's 1871 Tri State Corner - Initial Point

Mike Dress, Idaho B.L.M. office and John Teichert, superintendent from the Water Division of the Wyoming State Engineers Office and Paul Scherbel also recovered Major's corner position, the point first marked as the common corner, with the stones, post and the crock earthenware bottle.

Paul, with the help of many volunteers, spent much of the summer of 1992 remonumenting these positions and completed it in July, 1992. In his words, "This is the acme of being a surveyor", and "It is the highlight of a career".

To commemorate this action, a memorial ceremony was held August 28, 1992 in Cokeville, Wyoming, in conjunction with Cokeville's status as "Capital for a Day". This ceremony was very well received. As well as Governor Mike Sullivan, Secretary of State Kathy Karpan, State Treasurer Stan Smith, State Auditor Dave Ferrari, and Superintendent of Public Instruction Diana Ohman, the Director of Cadastral Survey Francis D. Eickbush was in attendance and spoke to the large crowd about the Public Land Survey System.

The following surveyors assisted in this project: Ronald K. Baught, M. Ross Workman, Dennis Bland,

Continued on page 10



Paul and son Marlowe at resurveyed position of the Tri-State Corner