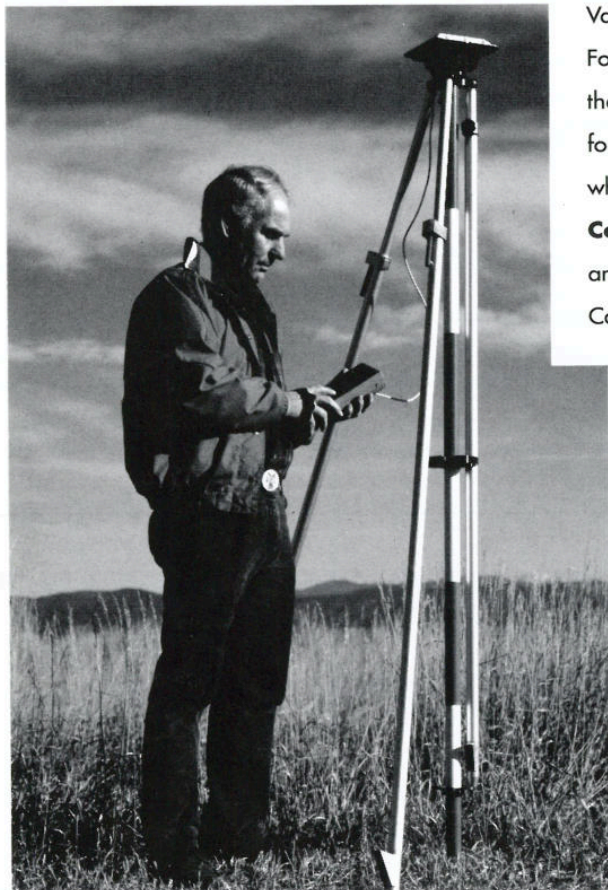


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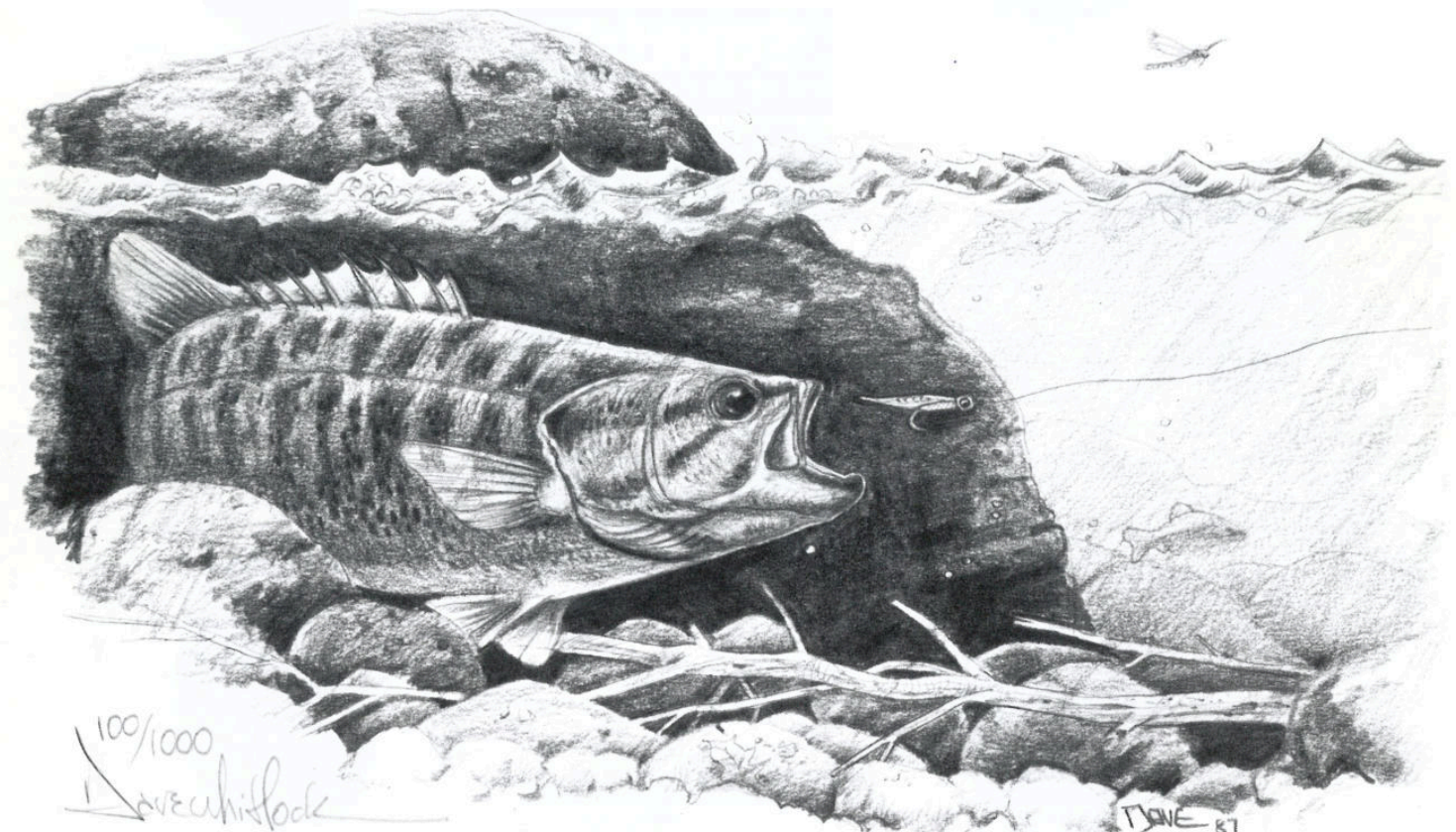
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VOLUME 10, NO. 3

SEPTEMBER 1998



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1998 PLSW MEMBERSHIP APPLICATION PROFESSIONAL LAND SURVEYORS OF WYOMING

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



NAME _____ DATE _____

(Please indicate preferred mailing address)

WYOMING REG. NO. ☐ PLS _____

HOME ADDRESS: ☐

☐ PE/LS _____

STREET OR BOX: _____

CITY/STATE/ZIP: _____

TELEPHONE: _____

BUSINESS ADDRESS: ☐

STREET OR BOX: _____

CITY/STATE/ZIP: _____

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&LS 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. Stoughton, Sec./Treas., 2821 Carey Ave., Cheyenne, Wyoming 82001.

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EDITORIAL POTPOURRI

O NEW MEMBERS OF PLSW - At the September meeting of the Board of directors, the following new members were approved:

Gregory Sweetser Associate Greybull, WY
Randy Meyer Sustaining Colorado Springs, CO

O PLSW MEMBERSHIP - The membership is growing. Have you recruited a new member lately? Membership is everybody's responsibility.

O PLSW BOARD MEETINGS - The 1998 schedule of Board meetings is as follows:

Mid-NOV 98 Casper, WY (Fall Tech Session)

All members are welcome. Contact your Director for the time and place.

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

O Lines & Points E-MAIL - Contact www.dond@trib.com.

O PLSW FALL TECHNICAL SESSION - The Fall Tech Session will be held in Casper, Wyoming in November. Additional information is contained in this issue.

O 79TH WES CONVENTION - The WES Annual Convention will be held in Gillette in February of 1999. Look for more information in the next issue.

Lines and Points is published by the Professional Land Surveyors of Wyoming. *Lines and Points* is not copyrighted and permission is hereby granted to reprint articles with appropriate credit. The Professional Land Surveyors of Wyoming assumes no responsibility for statements made or opinions expressed in this publication.

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:

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

Deadline for next issue — 15 DECEMBER 1998

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NEW ADDRESS

The State Board of Registration for Professional Engineers and Professional Land Surveyors has a new address in Cheyenne:
2424 Pioneer Ave., Ste. 400
Cheyenne, WY 82002.
The phone and fax numbers remain the same.

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City and State (REQUIRED) _____

Local Sponsor _____

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PRESIDENT'S MESSAGE

QUARTERLY UPDATE - As of 14 September 1998

The summer months of June through September are traditionally the "off-season" for PLSW activities and this summer has been typical. While there are no new items upon which to report to you, I am pleased to report that virtually all members in private practice indicate an abundance of work and a healthy business environment. Although our membership is comprised of Land Surveyors employed, for the most part, by business, government and education; approximately 76% of us are in private practice. Consequently, the vitality of PLSW is directly affected by the economic fitness of our state, region and nation.

Your Board of Directors met last Saturday, the 12th of September, at Rawlins for a meeting hosted by our Upper Platte Chapter. Even though all chapters were not represented, the meeting was well attended and the agenda was dispatched by early afternoon, followed by an excellent lunch in the Pedersen backyard. The minutes of the meeting appear in this edition and I encourage all members and affiliates to take the opportunity to read them.

Joel Ebner reported arrangements are being finalized for the Fall Technical Session, to be held in Casper on the 12th and 13th of November; featuring Jerry Broadus and Bob Dahl discussing "land tenures, local corners, evidence, and divided estates in lands and the effects of these issues on surveys". Mark your calendar - plan to attend.

Jeff Jones is soliciting entries for the 1999 ACSM/NSPS Map/Plat competition and reported that entry forms and additional information are available from him. Tentatively, a state "run off" will take place at the Fall Technical Session. In addition to that competition, all members are reminded and encouraged to submit Corner Record entries for the "Save Our Surveyors" honorarium.

Each Director will be seeking contributions at the chapter level for "partnership" in the 10-minute video "Geographic Information Systems: The Ultimate Management Tool" being produced by the New Jersey Society of Professional Surveyors. Your board has agreed to match those contributions in order to provide the requested \$500 and is asking chapters to respond by the first of November.

Pete Hutchison reported the State Board of Registration for Professional Engineers and Professional Land Surveyors has approved changes within the rules and regulations pertaining to corner markers. Strictly speaking, you should no longer be using

plastic caps as a part of property corner monuments.

We are still soliciting comments regarding the adoption of the ACSM - NSPS guidelines for ethical practice consisting of the "Code, Creed and Canons" for surveyors, cartographers and geodesists. Contact your director, myself or the secretary / treasurer for a copy of these guidelines.

The next BOD meeting will be held in conjunction with the Fall Technical Session, in November, at the Parkway Plaza, Casper. All members, affiliates and guests are encouraged to attend both functions.

As the heat of summer gives way to the crispness of fall, I hope each of us takes the time and makes a sincere effort to attend our chapter's meetings - it still leaves plenty of time for hunting and football.

Rick Hudson, President

PLSW Input Invited by WES

PLSW has been invited to provide input regarding the surveying program being considered for the seventy-ninth Wyoming Engineering Society convention to be held in Gillette next February.

As you may remember, several of our chapters made presentations at last year's convention in Sheridan. These were well attended and informative, enough so that we have been asked to provide similar presentations at the Gillette convention.

It is my opinion that these member-initiated presentations can, and do, provide an excellent format for interactive discussions of topics not normally addressed by more formal presentations. I base this on the fact that numerous members have indicated their preference for the less-structured "workshop" or "panel" format rather than the traditional "lecture" presentation.

While I realize this request reaches you during the middle of our "busy with field work season", it is our obligation, as representatives of PLSW, to poll our membership and generate interest in this matter. The quality of the surveying sessions will be directly proportional to our (PLSW) participation.

Thank you for your assistance; I hope all chapters will agree to participate.

Rick Hudson, President

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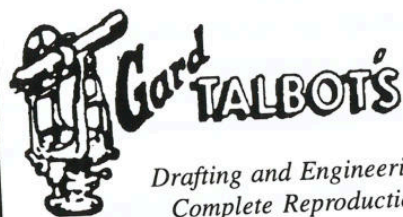
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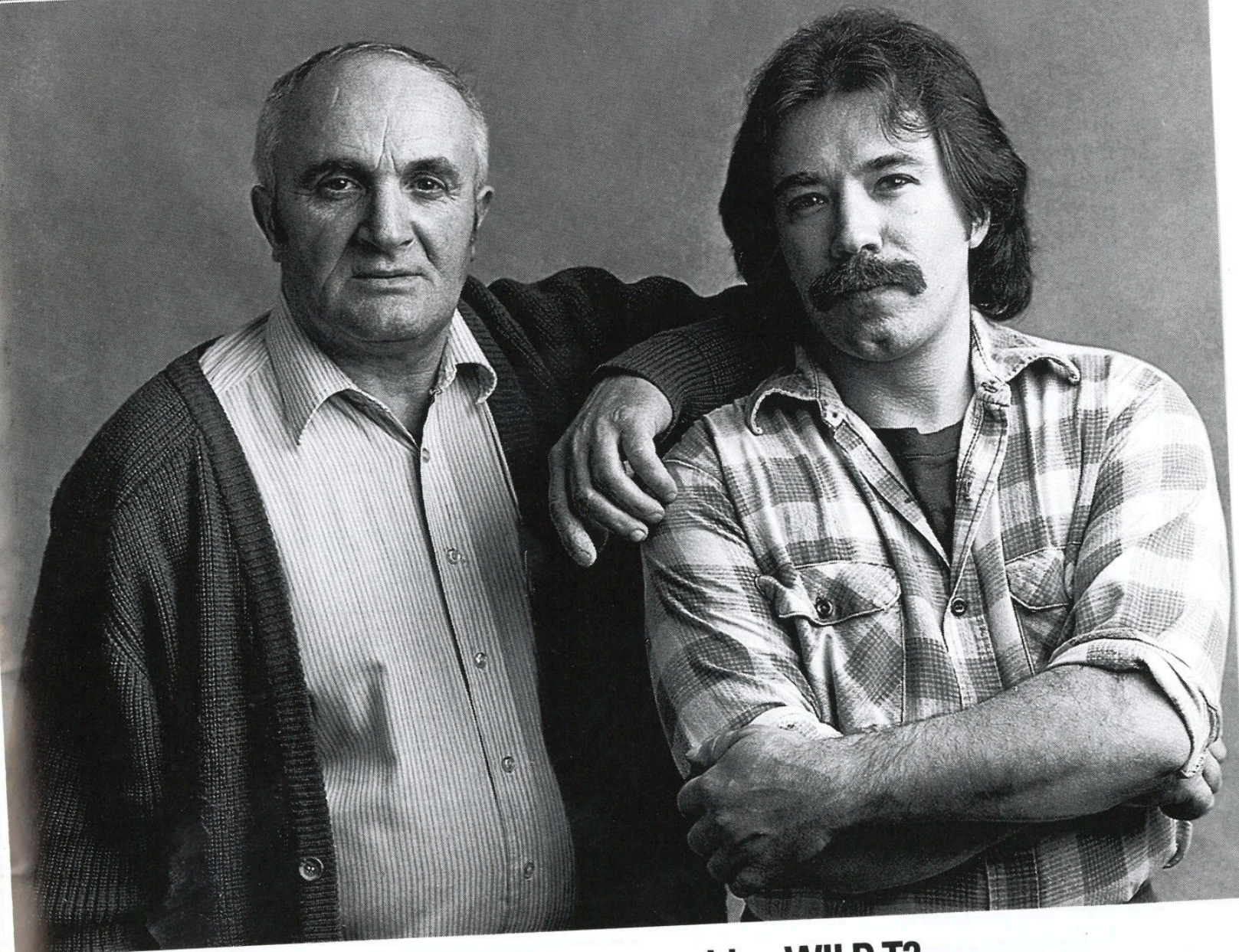
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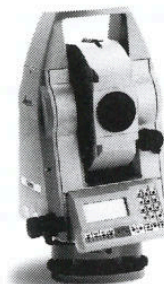
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SNAKE RIVER EXPEDITION –
JAMES STEVENSON, DIRECTOR

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 THE INTRODUCTORY PRICE OF \$40 PER PRINT, POSTPAID.

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R. L. Hudson, Secretary / Treasurer
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Shakespeare Comments on the Surveyor

The following lines were taken from William Shakespeare's *Henry IV, Part Two, Act One, Scene Three*:

When we mean to build
We first survey the plot, then drawer the model;
And when we see the figure of the house,
Then we must rate the cost of the erection;
Which, if we find outweighs ability,
What do we do then but drawer anew the model
In fewer offices, or at least desist
To build at all. Much more then in this great work,
Which is almost to pluck a kingdom down
And set another up, must we survey
The plot of situation in the model,
Consent upon a sure foundation,
Question surveyors, know our true estate,
How able such a work to undergo

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Need a map? Check the Net

WASHINGTON – For the first time, 26 maps from the world's biggest collection went on the Internet on Monday from the Library of Congress, which has another 4.5 million to go.

More maps will be added every day, said Ralph E. Ehrenberg, chief of the library's geography and map section. By October, the number is due to rise to 1,200.

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PROFESSIONAL LAND SURVEYORS OF WYOMING BOARD OF DIRECTORS MEETING MINUTES 12 SEPTEMBER 1998

1. The quarterly Board of Directors' Meeting of the Professional Land Surveyors of Wyoming.
 - a. Location: Rawlins, Wyoming, at Colorado Interstate Gas Offices; 314 Fourth Street.
 - b. Date & Time: Saturday, 12 September 1997 at 9:30 a.m., M.D.T.
 - c. Presiding Officer: Mr. Rick L. Hudson, P.L. S., President.
2. Agenda: The final agenda is appended. [Appendix A]
3. B.O.D. Minutes: Motion was made by Dawson, seconded by Lee, to approve the minutes of the Board of Directors' meeting of 16 May 1998 at Evanston. Approved.
4. Secretary's Report: Secretary Stoughton reported that in lieu of distributing the by-laws amendments, the 1998 roster, and the updated history to the Directors for distribution to the members, he used a direct mailing. The cost for postage was \$281.52. Included in the mailing was a one-page census to update the PLSW records. Approximately 75 % of the census forms have been returned.
5. Treasurer's Report:
 - a. A report of financial activities was presented. The updated portion of the income statement for investments was circulated [Appendix B]. The checking account balance was \$13,639.21 (Appendix C). Motion was made by Dawson, seconded by Davis, to accept the financial reports. Approved.
 - b. The Treasurer presented a model/draft investment policy statement prepared by Ms. Rosalyn Wallach Baker, Dain Rauscher Incorporated, for PLSW to consider for an investment policy.

After discussion, it was recommended that the adopted statement should include a "full disclosure" statement. Motion by Lee, seconded by Davis, that the Secretary/Treasurer draft a PLSW policy statement concerning investment for presentation at the 12 November 1998 Board of Directors' meeting, and that the PLSW Finance Committee shall serve as the investments advisor. Approved.

6- President's Report: President Hudson reported that there had been no matters concerning PLSW to report. However, he did emphasize that committee chairmen must submit reports for Board of Directors' meetings.

7. Committee Reports:

- a. Audit-Finance Committee - no report.
- b. Bylaws Committee - no report.

C. Convention Committee - Peter J. Hutchison reported on activities for the surveying portion of the 1999 WES Annual Meeting. Four chapters have indicated that they will present a program. The only topic to be identified was a panel discussion concerning the legal standing of the WYDOT Right-of-Way monuments for real property boundaries. This session was proposed by the Southeast Chapter. The title and description of the presentations must be submitted by 15 October.

d. Education Committee - Joel T. Ebner reported the forthcoming Fall Technical Session.

The 1998 Fall Technical Session will be held on 12 and 13 November 1998 in Casper

[Appendix D].

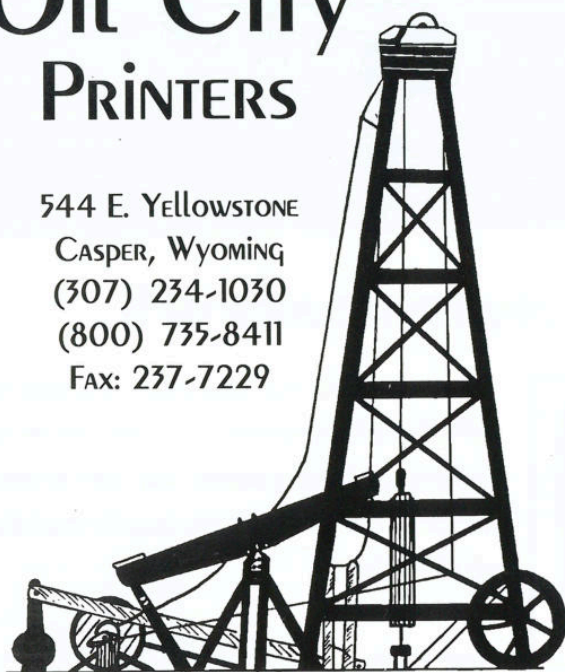
e. History Committee - no report.

f. Legislative Committee - no report. Peter J. Hutchison reported that the SBRPEPLS will submit legislation similar to

(Continued on Page 7)

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AMERICAN CONGRESS on SURVEYING and MAPPING National Society of Professional Surveyors, Inc.

Annual Map/Plat Competition

Portland, OR, March 14, 1999

OFFICIAL ENTRY FORM

The 1999 ACSM/NSPS Map/Plat Design Competition is now open for entries.

This will be a juried contest. A maximum of five maps per style and category will be selected and exhibited at the Annual Conference in Portland, OR. No more than one entry per category should be submitted by the state surveyor association affiliates of the National Society of Professional Surveyors, Inc. (NSPS). Entrants need not be members of NSPS. A member of NSPS must sponsor the map, plat, or project under consideration and their name must be so noted on the nomination form. The entry must have been completed after June 30, 1996 and may not have previously been entered in this contest. The entry may be freehand, machine drafted, or computer drafted.

Submit six prints for each entry with a maximum map size of 34" by 44". **Entries must be folded to fit in a 9" by 12" envelope.**

Submissions must be a single drawing; it may originate as part of a set of drawings, however, it must be entered as a single sheet. **All entries must be postmarked by December 31, 1998. Use one entry form per document submitted.** An entry fee of \$20.00 must accompany each form. The committee will notify the winners to send a print for display at the conference.

All entries will be judged on adherence to the minimum standards as set forth by NSPS. The judges will consider interpretability, content and layout of data shown, presentation, innovation, applicability to typical client or persons using this type of map, and correctness. Neatness and accuracy of scale will also be considered. Prizes will be given in categories where three or more entries are received. The decisions of the judges are final.

Categories

1. Subdivision Plats ☐
2. Boundary/Cadastral Maps ☐
3. Topographical Maps ☐
4. ALTA/NSPS Survey Maps ☐
5. Miscellaneous Maps ☐

(Only one Category may be checked)

Submit entries with this to:

ACSM
NSPS Map/Plat Contest
Attn: Patricia Canfield
5410 Grosvenor Lane
Bethesda, MD 20814-2122

(Use one entry form per document submitted)

**This form may be reproduced for use
in submitting additional entries**

State Affiliate entering Map: _____

Entrant's Name: _____

Company or Institution: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (work) (____) (____) (____) (home) (____) (____) (____)

An entry fee of \$20.00 must accompany this form.

(Make checks payable to NSPS, Inc.)

Title of Entry: _____

Description of Project: _____

Name and address of Nominator if other than entrant.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: (work) (____) (____) (____) (home) (____) (____) (____)

I give my permission for this entry to be placed on display at any ACSM or NSPS sanctioned exhibit on cartography or map design. Also, I understand that entries may be reproduced in any ACSM or NSPS sanctioned publications, that winning entries may be duplicated, reproduced, or copied and sold by ACSM or NSPS, and that the winning contest entries may be placed in the map collection of NSPS at the Michigan Museum of Surveying. No entries will be returned. The decisions of the judges are final.

Signature: _____ Date: _____

For office use only: Map/Plat Contest Entry Number: _____

Why Choose Surveying As A Career?

by Trevor Cray
(Reprinted from
Evergreen State Surveyor & Link, Summer, 1998)

The opportunities for graduates holding a four-year degree in Surveying reach beyond the traditional lines of the profession. Among them, urban planning, global positioning systems and industrial quality control careers. What makes Professional land Surveying so attractive as a career choice is the diversity of the activities one engages in under the single heading of Professional Land Surveyor. At one moment, the land surveyor is a poet in his efforts to integrate all the parts of the land: its limitations, environmental concerns and conditions; the next, a historian when researching notes or deeds. No successful or major civil project can be accurately designed or built without the assistance of the survey engineer, though little is known by architects and engineers about modern surveying and its relationship to the advancement of civilization throughout the ages. A knowledge of boundary law, writing of legal descriptions, and a necessary knowledge of environmental conditions in the field are just a few of the responsibilities and challenges facing the land surveyor. These lesser known responsibilities augment the more obvious scientific duties.

With technological breakthroughs occurring daily in the surveying and mapping field, today's surveying engineer must be trained in a broader field of science. A background in higher mathematics, calculus-based physics, computer programming, geodetic science, and electronics is a necessity for the survey engineer to understand and compete in the rapidly expanding discipline of surveying engineering. Surveying is also a career of great historical significance. From early Babylon to the Greek and Roman Empires, to explorations of Lewis and Clark, surveying has proven itself as a timeless art. Contrary to its name, Land Surveying is not bounded by gravity. It is still making important contributions in the course of history. Global Positioning Satellites have become an everyday instrument as surveying enters into the 21st Century. Just as geodetic science, also known as advanced surveying, was used to calculate humankind's path to the moon, deep space is being mapped and surveyed by NASA probes relaying this information back to earth. A testimony to the continuing importance of surveying technology is NASA's recent deep space probe, aptly named Surveyor.

Unlike most careers, surveying offers opportunity for adventure and discovery, indoors and out. It is the scientific challenges of the surveying discipline and the opportunities that present themselves to the four-year Bachelor of Science graduate that make Professional Surveying a career of choice. (Editor's Note: The above appeared in the vol. 3, no. 2, New Mexico State University Department of Surveying Fall 1997 Newsletter. Trevor's father is Bob Cray, PLS, Northwest Chapter. Trevor Cray is a senior in the surveying program at New Mexico State University.)

Thomas A. Tillman, 1918-1998

The land surveying society has lost a valued and respected member. Thomas A. Tillman died on June 20, 1998 at the age of 80 in Wilsonville, Ore. He was a Fellow of the American Congress of Surveying and Mapping, a member of the Zeta Chapter of Sigma Tau National Engineering Society, and Oregon Alpha of Tau Beta Pi, Oregon State College National Honor Society in Engineering. He was a noted authority on the United States Public Lands Survey System and the principal author of the 1973 Manual of Surveying Instructions for the public lands of the United States.

Tom grew up on farms around Portland and Pendleton, Ore., and began land surveying in the 1930s under the old General Land Office. He served in the U.S. Army during World War 11 in Alaska and Greenland. After the war he attended the University of Washington, and graduated with a degree in Civil Engineering from Oregon State University in 1948. After graduation Tom returned to cadastral surveying under the newly formed Bureau of Land Management (BLM). He rose through the ranks to Chief of Surveys for U.S. Lands in Oregon and Washington. In the 1960s Tom was transferred to BLM's Washington, D.C. office in recognition of his exceptional ability. He frequently served with distinction as an expert witness for the Department of justice in litigation involving cadastral surveys.

After retiring to Oregon in 1973, Tom returned to Washington, D.C., on occasion to address areas of his expertise. While personally reclusive, he was always helping others in the production of books and papers on land surveying, providing editing and historical background. He was a kind and helpful man who hid his scholarship and abilities under an unassuming manner. His presence will be sorely missed. -Mike Gardner, BLM, Portland

Do You Just Belong?

- Are you an active member
The kind that would be missed?
Or are you just content
That your name is on the list?
Do you attend the meetings
And mingle with the flock?
Or do you stay home
To criticize and knock?
Do you take an active part
To help the work along
Or are you satisfied
to only just belong?
Do you work on the committees
and get right in and mix?
Or leave the work to just a few
and talk about the "Cliques"?
Think this over, member -
You know right from wrong.
Are you an active member
or do you just belong?

-BOARD MEETING MINUTES

(Continued from Page 8)

- the proposals for the 1997 session.
g. Lines & Points - no report.
h. Manual of Professional Practice - no report.
i. Membership Committee - motion was made by Stoughton, seconded by Davis, to accept the following applications for various membership categories: Associate Member: Gregory O. Sweetser; Sustaining Member: Trimble Navigation (Randy Meyer). Approved.
j. Nominations & Elections Committee - three items.
1. Election of officers: The Nominations Committee reported the following nominations for office have been submitted:
A. Rick L. Hudson, president.
B. Richard W. Greenwood and Jeffrey B. Jones, vice-president.
C. Herbert W. Stoughton, secretary/treasurer.
The PLSW Directors were requested to contact their chapter members and seek additional nominations. The deadline for additional nominations would be 13 November meeting in order to have adequate time to prepare the ballots.
k. P.L.S.W. Handbook Committee - no report
l. Professional Awards Committee - no report.
m. Public Relations Committee - Larry T. Perry reported on the benefit auction to assist Pete Innis for his medical expenses. Mr. Perry also reported that the Transportation Museum in Cheyenne has contacted PLSW requesting that one of the exhibits have the theme addressing surveying and mapping.
n. S. O. S. Committee - Jeffrey B. Jones submitted a written report. It was agreed that the ACSM map competition be held in conjunction with the 1998 Fall Technical Session in Casper. The winners of this competition would be submitted to ACSM for the national competition. The reason for the competition being held in November is that the ACSM deadline is 31 December 1998. Treasurer Stoughton was directed to place monies in the 1999, and future, budget(s) to pay the ACSM application fees for the map competition.
0. Scholarship Committee - Martin A. Pedersen reported that there have been no scholarship applications submitted. A general discussion concerning identifying potential applicants ensued. No action items resulted.
p. Standards, Ethics & Professional Practice Committee - no report.
q. Trig-Star Committee - Joel T. Ebner submitted a written report concerning the results of the 1998 competition [Appendix D (accompanied the Education Committee report)].
8. Delegate Reports:
a. ACSM-NSPS Board of Governors - report has been published in Lines & Points.
b. West Fed - report has been published in Lines & Points.
9. State Board of Registration for Professional Engineers and Professional Land Surveyors:
a. Next meeting of the SBRPEPLS will be Friday, 18 November. Vice President Jeffrey B. Jones will attend on behalf of PLSW.
b. The Professional Activities & Knowledge Study for Professional Surveying Final Report of the survey performed by the National Council of Examiners for Engineering and Surveying

has been published. Copies of the report can be obtained from Secretary Stoughton.

C. The Revised Rules and Regulations have been approved and published. Copies can be obtained from the SBRPEPLS's office in Cheyenne.

- 10. Old Business:
a. Big Sky 2000 Conference - no report as there has been no activity.
b. New Jersey Soc. P.L.S. video project - The Directors are to ask the Chapters to submit contributions to Secretary/Treasurer Stoughton by 1 November. The motion was made by Stoughton, seconded by Dawson, that PLSW Chapters submit their contributions to Secretary/Treasurer Stoughton, and that PLSW provide matching funds to support the project. Approved.
c. National Code of Ethics - There was a lengthy discussion about the ACSM national code and the NSPE code adopted by the SBRPEPLS as Appendix A in the Rules and Regulations. The Directors were asked to present this matter to the Chapters for discussion, and to report at the 13 November meeting.
d. Nominations Committee proposed policy and Bylaw changes - this item was referred to the Bylaws Committee at the last meeting. The matter is closed as old business, and shall be deleted from future agendas.
11. New Business:
a. Membership designation (Dowdell proposal) - Member Dowdell requested that the designation of Charter Member be identified on the membership card and in the annual directory.

(Continued on Page 8)

BLM NEWS

This letter is to inform you of official cadastral surveys in Wyoming that have been accepted on March 27, 1998, were officially filed and are now available in the Survey Records Office, Wyoming State Office, Bureau of Land Management, P.O. Box 1848, 5353 Yellowstone Rd., Cheyenne, WY 82003.

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

Sixth Principal Meridian, Wyoming

Township and Range	Type of Survey	Meridian	Accepted
T. 38 N., R. 74 W.	Dep Res.	6 P.M.	5/12/1998
T. 41 N., R. 60 W.	Dep Res.	6 P.M.	5/12/1998
T. 20 N., R. 112 W.	Dep Res.	6 P.M.	5/12/1998
T. 58 N., R. 60 W.	Dep Res.	6 P.M.	5/12/1998



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-BOARD MEETING MINUTES

(Continued from Page 10)

After discussion the consensus of the Board of Directors was that with limited volunteer effort available the amount of effort to task the Membership Committee and the PLSW Secretary/Treasurer was not warranted. It was noted that the identification of Charter Members has been noted in the PLSW History prepared by Rick L. Hudson and Herbert W. Stoughton. The only membership grade designations to be published are those so indicated in the annual directory.

b. Letter from PLSC Central Chapter concerning participation at their 1999 Annual Meeting Dr. Stoughton was directed to contact Tom Adams, PLSCCC president to indicate that someone from the Southeast Chapter would participate in the panel discussion.

c. GIS/LIS and professional licensure - The article "Should Surveyors Control GIS Landbase Data?" and an e-mail from Bruce Joffe concerning the recent resolution by the California Board of Registration for Professional Engineers and Land Surveyors were distributed. Lee moved, seconded by Dawson, that the SBRPEPLS review their policy concerning the role of professional land surveyors and require landbase data exhibited in GIS and LIS systems be created, prepared, and modified under the direct supervision of a licensed land surveyor or professional engineer authorized to practice land surveying. Approved.

12. Announcements:

a. The ACSM/NSPS awards for Surveying Excellence Award; Journalism Award; and Student Award were announced. Nominations should be submitted directly to the NSPS at the ACSM Headquarters.

b. The nineteenth century map "Sources of the Snake River" are available from the Northwest Chapter (Rick L. Hudson).

13. Next Board of Directors Meeting: The next meeting will be Friday, 13 November 1998 at 1:30 p.m. M.S.T. at the Fall Technical Session in Casper

14. Adjournment: The meeting was adjourned at 12:40 p.m.

Respectively submitted,
Herbert W. Stoughton
Secretary/Treasurer

David A. Webb
Regional Manager

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AN OPPORTUNITY TO DENSIFY THE WYOMING GPS HIGH ACCURACY REFERENCE NETWORK

The individual state High Accuracy Reference Networks (HARN) are comprised of Federal Base Network (FBN) stations maintained and supported by the National Geodetic Survey (NGS) and Cooperative Base Network (CBN) stations supported by the local state. These stations are a minimum of B-order accuracy. With the completion of the observations for HARNs in all states, the NGS is now starting a program to reobserve the FBN portion of the HARNs for the purpose of maintenance and increasing the accuracy of the FBN.

These observations of the FBN have occurred in Oregon and California. In these states the BLM, FS, state, county and local users participated in the recon and observations of the FBN. In return for this cooperation the NGS agreed to process selected CBN stations that were observed cooperatively with the FBN. This allowed these states to add new CBN stations to the networks and increase the network density. These new stations will provide the benefit of saving money on future projects by having accessible high order control where it is needed by the GPS user community.

This type of cooperative project would provide the same benefits to Wyoming. The HARN station density is very sparse in large portions of the state. In some areas local densification has been conducted by various federal, state, and local agencies. However these projects have not been Blue booked and are not supported as an official part of the National Spatial Reference System or the coordinates are not available to the general users.

The NGS will be in Wyoming during May and June 1999 to recon and plan the FBN observations with the actual observation to take place in the late July - August 1999 time frame. I would like to encourage the survey community to join with the BLM and Forest Service in participating in a cooperative venture to density the HARN.

If you are interested in more information or would like to participate in the recon, monumentation, or observations contact

Mike Londe, Geodesist

BLM WY 952

5353 Yellowstone RD..

Cheyenne, WY 82009

307-775-6209 (0)

wymlonde@wy.blm.gov (work E-mail)

There will be a session at the 1999 WES meeting to discuss this issue and other related GPS topics.



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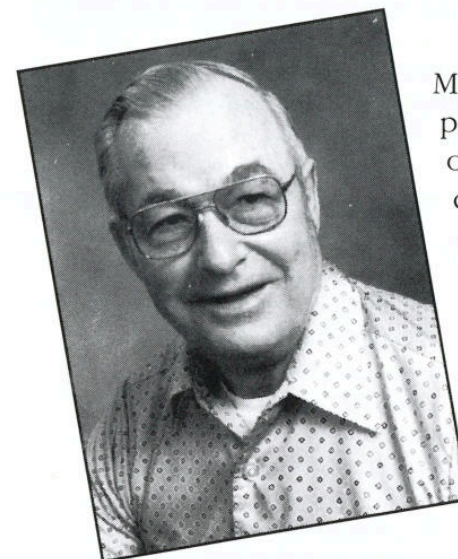
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C. Albert White



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Published by the Colorado Professional Land Surveyors Educational Foundation, Inc., a non-profit foundation, *Initial Points of the Rectangular Survey System* is undertaken in the spirit of, and dedication to, Mr. White's remarkable contributions to his field. Net proceeds from its sale will be returned to the educational foundation.

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1909 EXAM LETTERS TO THE EDITOR

Ms. Christine Turk
State Board of Registration for Professional Engineers and
Professional Land Surveyors
2424 Pioneer Avenue
Cheyenne, WY 82002
Dear Christine,

In the recent issue of *Lines and Points* (June, 1998) there appeared the article "1909 Exam, Could you pass?" I am sure you must have noticed it.

I had intended to pass some information to you before it made the press but the press of business and some hospitalization on my part let Don Davis get ahead of me. But here's the story.

I had acquired the files and records of Harry Young, LS 5 (or LS 7 as the record may show) from Mrs. Young after Harry's demise. In the process of sorting through his old records and papers recently I came across a somewhat wrinkled and folded up document that I found most interesting. I'm almost convinced that it may be a copy of the exam he took in 1909 or thereabouts. That was about the time the registration was enacted, was it not?

It was my good fortune to have worked for and in association with Harry Young during my neophyte years until he died. He was a great teacher and mentor. His father was the first State Mine Inspector in the early years of our statehood. Harry was acquainted with many of the GLO deputies and directors, especially William Owen who did much of the GLO's work in our local area around the turn of the century and following. One of his brothers, John "Bull" Young, was a prizefighter who was killed in the ring during a bout with Jess Willard. They were contenders for the world championship against Jack Johnson, then the first black man who was the champ. Another brother, Noah, was in the old silent movies and played with Will Rogers. An interesting family. Harry and L. C. Bishop were close friends. Mr. Bishop would come up and visit with Harry after Mr. B retired as State Engineer and some of my fondest memories are of Harry and Clark Bishop talking about the early days of surveying in Converse County. Mr. Bishop by then became a sort of "dutch uncle" to me. Two really great people.

I'm enclosing a photocopy of this exam document. Perhaps you could research the records and maybe verify what I suspect. I'm also sending Martin Pedersen a copy. He had asked us to submit questions for the LS exams. Maybe he'll find it useful, (I say that facetiously).

Perhaps this bit of history may be of interest to you, the Board members, and anyone else.

Respectfully,
Joe W. Popp

July 30, 1998
Mr. J. W. Popp
Box 790
Glenrock, WY 82637
Dear Mr. Popp:

I received your letter and copy of the old Land Surveying Exam. Thank you so much for sharing it with me. What an

the board members in the event they did not see it in *Lines and Points*.

Martin says we should make all land surveyors take this exam as a contingency to their renewal.

Thanks again, and have a good day.

Sincerely,

Christine Turk, Executive Director
State Registration Board for PE and PLS



CALTRANS STAYS THE COURSE

California's Department of Transportation has been active in highway metrication since 1992. In a June 22, 1998, memorandum to agency managers, Caltrans director James Van Loben Sells states that the federal highway bill's deletion of FHWA's metric deadline will not affect his department's metrication policy.

The memorandum further states that "All department manuals, standards, specifications, and standard plans have been converted to metric units and will no longer be issued utilizing U.S. customary units. Projects on the state highway system, regardless of funding source, shall continue to require metric units for advertisement."

In closing, the memorandum notes that Caltrans will deliver more than 95 percent of its construction contracts in metric units by the end of 1998.

It has been said that if California were a separate country, it would be one of the world's major economic powers. It's gratifying that this state – and over 40 others – are putting their vast economic resources behind converting to the metric system.

Additional information about the CALTRANS metrication program is available on the Internet at www.dot.ca.gov/hq/oppd/metric/metricprg.html or from the Caltrans metric coordinator, Jerry Champa, at 916-653-0725.

AASHTO STICKS TO METRIC-ONLY POLICY

In a recent letter to state DOT chief executive officers regarding the removal of the metric deadline in the new federal highway bill, the executive director of AASHTO, Francis Francois, has reaffirmed his organization's commitment to a metric-only policy for all publications and standards.

"For many technical publications," the letter states, "the responsible AASHTO subcommittees had to rework engineering formulas to achieve conversion. This effort has been more complicated than simply soft converting units. In many cases the reference documents were "hard" converted and updated to reflect current technology, rendering previous inch-pound calculations obsolete."

1998 PLSW FALL TECHNICAL SESSION SCHEDULE FOR NOVEMBER 12-13

The 1998 PLSW Fall Technical Session has been scheduled for November 12 - 13, 1998 and it will be held at the Parkway Plaza Hotel in Casper again this year. Note that it's a month earlier this year than last year, which precipitated the name change from Winter Technical Session to Fall Technical Session.

The topics for this year's session are Tenures of Land, Evaluation of Evidence, Admissibility of Evidence and Location of Boundary Ownership Lines. It will be co-taught by Jerry R. Broadus, LS, Esq. and Robert W. Dahl, LS. Jerry has been a contributing editor to POB for many years, writing The Surveyor and the Law articles. Bob has extensive experience as a BLM Cadastral Surveyor and is a highly regarded expert on many land surveying subjects. The two gentlemen have co-taught on several occasions, most recently at the 1997 West Fed. Conference in Las Vegas, Nevada in March 1997.

Through the perspectives of a Surveyor/Attorney and a BLM Cadastral Surveyor the tangle of, previous surveys, land ownership status, subsurface rights, survey authorities and more will be carefully scrutinized. Review of actual boundary ownership location cases from the Public Land Survey System, Interior Board of Land Appeals and court decisions will be used to clarify and illustrate up-to-date interpretations, conflicts and trends.

The cost is \$100 for members, \$50 for affiliates and \$175

for non members. The seminar will run from 8:00a.m. - 5:00 p.m. on Thursday the 12th, and 8:00a.m. - 12:00p.m. on Friday the 13th, with a total of 12 Continuing Professional Competency (CPC's) being awarded. A block of rooms has been reserved at the Parkway Plaza at a cost of \$40 per night. Lunch will be provided at noon on Thursday and a social gathering is being planned for Thursday evening. This will be a great seminar so don't miss it!

For more information contact Joel Ebner at 307-686-6750.

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MOONLIGHTING

It is important for firms to have clear policies on the outside professional activities of employees. A firm's exposure to the possibility of loss is decreased if clients of "moonlighting" employees – whether the professional services are being provided for a fee or otherwise – acknowledge that the services are being performed solely by the individual and not by the firm. A firm also is at risk for being held liable for the moonlighting of its employees if it does not prohibit the use of company equipment or premises for outside employment activities.

A firm could protect itself and assist employees in understanding their responsibilities by having policies that address the two significant types of situations.

OUTSIDE EMPLOYMENT FOR A FEE

Most firms clearly prohibit this activity. The activity may not stop, but the firm has stated its policy and, if it becomes aware of such activity, needs to go on record as not supporting or condoning the activity in any manner.

OUTSIDE EMPLOYMENT AS A CONTRIBUTION OF SERVICES

A firm may want to encourage volunteer projects or *pro bono* activities both from a good will perspective and to allow employees to gain experience in providing services directly to a client. A firm could develop a special provision for authorized contributed services. The firm's professional liability insurance would cover such services, regardless of whether or not they were for a fee, if they are provided by the firm or by the firm's employees with the recognition and permission of the firm. Claims from such projects, or course, could jeopardize professional liability coverage or rates just as any other adverse experience might.

Some firms encourage moonlighting by professionals and try to obtain protection through indemnification obligations running from the moonlighting employees to the firm. Most individuals providing any services outside the scope of their full-time employment, however, have few assets from which to indemnify their lawful employer.

The insurance coverage of any claims tracks with the law of agency. A firm's employees are covered for all activities done within their scope of employment. If a problem occurs on a project for which employees are providing services but for which their employer is not getting a fee, any determination of coverage would be based on whether the firm, or an employee as an agent of the firm, is providing the services. The possibility exists that the firm could be held liable for the actions of its employee even though the firm did not know specifically of such actions or have any factual authorization of those actions. Thus the firm could have liability for its imputed professional negligence without insurance coverage for the harm the negligence of the employee has caused.

A firm cannot easily escape responsibility for the actions of its licensed design professionals, but it is clear that, from a risk management perspective, a firm should limit its risks generated by moonlighting employees.

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