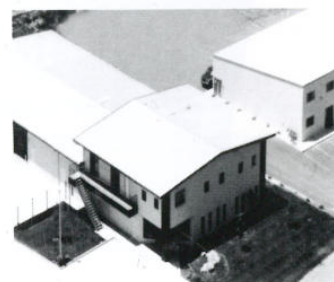


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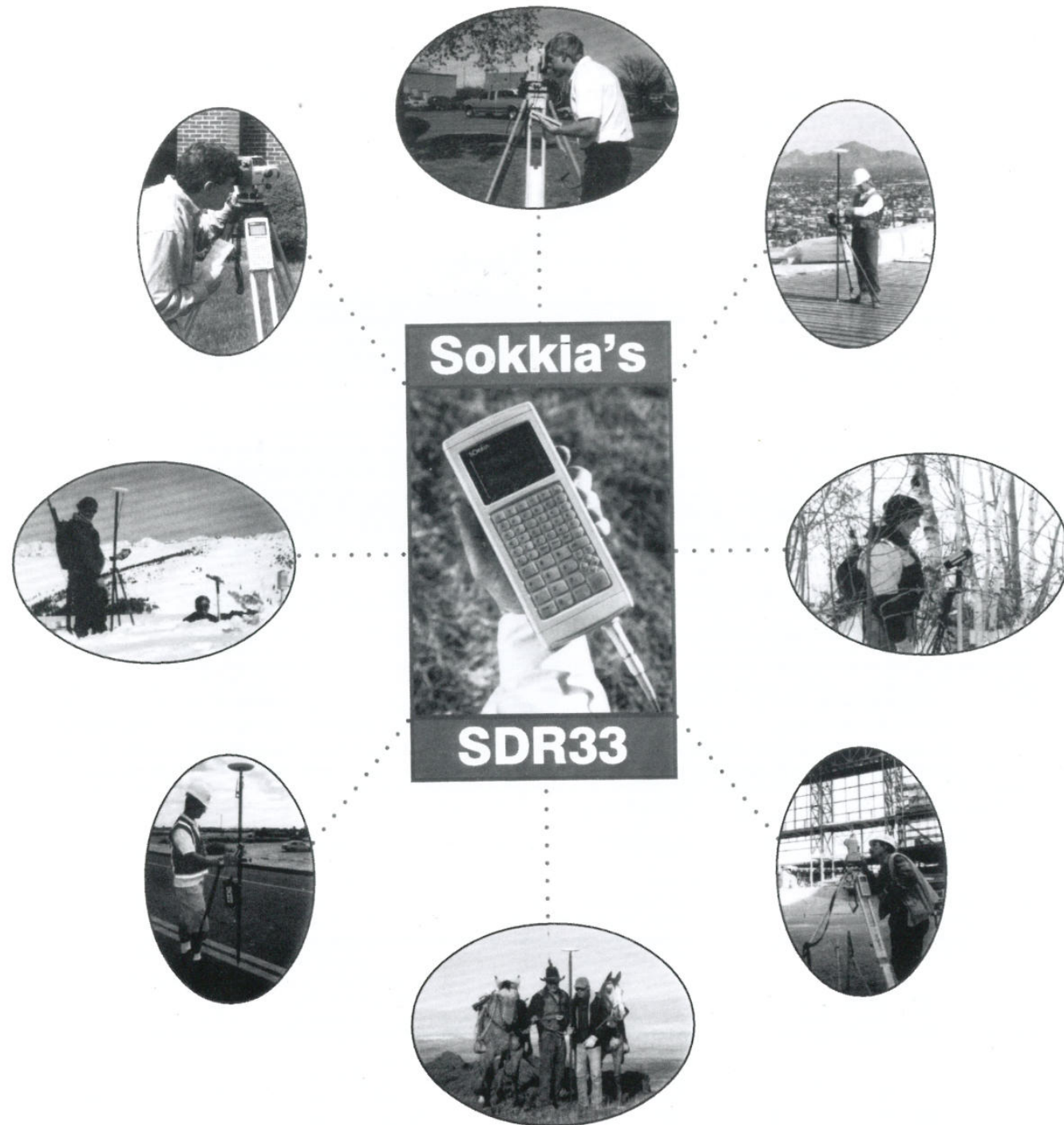
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VOLUME 10, NO. 4

JANUARY 1999



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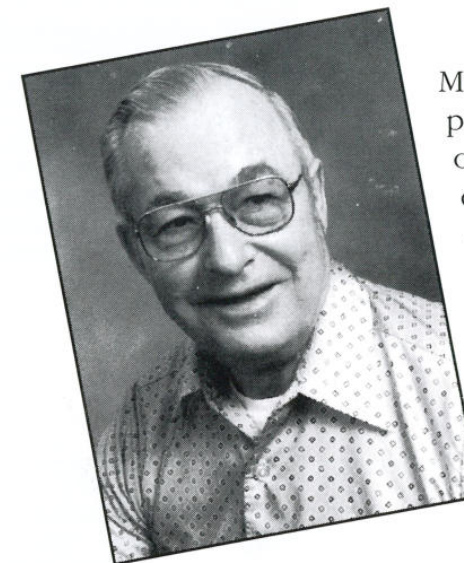
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Published by the Colorado Professional Land Surveyors Educational Foundation, Inc., a non-profit foundation, *Initial Points of the Rectangular Survey System* is undertaken in the spirit of, and dedication to, Mr. White's remarkable contributions to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

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EDITORIAL POTPOURRI

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

Kenneth Magrath	Member	Green River, WY
Jerome Mark	Member	Story, WY
Robert Kay	Member	Vernal, UT
Skip Robinson	Member	Riverton, WY
Richard Inberg	Member	Riverton, WY
James Bassett	Member	Casper, WY
Harry Pierce	Member	Arvada, CO
Thone Stewart	Member	Sheridan, WY
Thomas Tucker	Member	Sheridan, WY
David Pedersen	Associate	Sinclair, WY
Josh Johnson	Associate	Pinedale, WY
William Auyer	Associate	Douglas, WY
Bruce Frederick	Associate	Worland, WY
Mark Loveland	Associate	Afton, WY
Edwin Lavino	Associate	Moran, WY
Casi Craig	Associate	Saratoga, WY
C. D. McCurry	Associate	Rock Springs, WY

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

O PLSW BOARD MEETINGS - The 1999 schedule of Board meetings is as follows:

4 FEB 99	Gillette, WY (WES Annual Convention)
15 MAY 99	Riverton, WY
28 AUG 99	Cheyenne, WY
NOV 99	Casper, WY

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

O Lines & Points FAX - Our fax numbers are 307-235-56004 or 307-235-8184.

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

O 79th WES CONVENTION - The WES 79th Annual Convention will be held in Gillette, February 4th through the 6th, 1999. Look for a tentative agenda in this issue.

O TECH SESSION PHOTO'S - Our photographer took pictures on a digital camera. The disk was inadvertently scrubbed. Our apologies to the subjects and attendees.

**Front Cover Artwork
by
Ray Blaha, Casper, WY**

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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

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Deadline for next issue — 15 MARCH 1999

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PRESIDENT'S MESSAGE

QUARTERLY UPDATE - As of 14 December 1998

Our third annual seminar, the Fall Technical Session, was held in Casper on the 12th and 13th of November with over 100 attendees. Joe Ebner's Education Committee arranged an excellent event; 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". Aside from the 12 hours of continuing professional competency, those who attended were afforded the opportunity to socialize with others of our own persuasion, swapping tall tales of heroic exploits in the field. Also during the session, Jeff Jones supervised the ACSM/NSPS Map/Plat competition which featured entries all worthy of acclaim. There are no losers among maps of such excellent content and presentation. In addition to that competition, all members are reminded and encouraged to submit Corner Record entries for the "Save Our Surveyors" honorarium competition to be held during our annual state meeting..

Immediately following the Fall Technical Session, your Board of Directors met and dispatched a variety of agenda items in preparation for our annual state meeting. The minutes of the meeting appear in this edition and I encourage all members and affiliates to take the opportunity to read them.

PLSW has entered into "partnership", by contributing \$500, in the 10-minute video "Geographic Information Systems: The Ultimate Management Tool" being produced by the New Jersey Society of Professional Surveyors. As such, we will be listed in the credits and will provide copies for use by chapters for local presentations.

Vice President Jeff Jones attended the State Board of Registration for Professional Engineers and Professional Land Surveyors meeting in September as our official representative. Late last month, I reviewed the agenda of the December 7th meeting at Laramie and decided my personal attendance, on your behalf, was not essential. The SBRPEPLS will make a presentation at the WES convention.

The format of our annual state meeting, early in February at Gillette, will be much the same as it has been for the past several years. Specific items which we will discuss and act upon include the ACSM - NSPS guidelines for ethical practice consisting of the "Code, Creed and Canons", an investment program for a portion of our assets, and an amendment to our By-laws regarding officers. Also to be addressed is "Recording of Surveys", wherein we will explore the demographic, political and technical aspects of this important and timely topic.

All members and affiliates are personally encouraged to

attend our annual state meeting and the Wyoming Engineering Society convention. Historically, membership attendance at our annual meeting has been approximately one in three. Personal invitations will be sent out shortly - make plans to attend - we'll find extra chairs if necessary.

Tis the season to be jolly; to catch up on paper work, to attend a PLSW meeting and share your ideas and ideals with other surveyors.

Rick Hudson, President

WestFed Report

The Western Federation of Professional Surveyors' Board of Directors met on October 10, 1998 in Reno, Nevada.

The meeting was called to order by Past Chairman John Abenroth at 9:06 a.m. John explained that Jim Dorsey, present Chairman of WFPS was unable to attend the meeting due to the death of a close friend. Discussion was held concerning the issue of the presiding officer under the present circumstances of the WFPS meeting. It was motioned and approved that John Abenroth be the presiding officer and to conduct the business of WFPS for this meeting.

Roll call was taken and a quorum declared with 13 delegates and Treasurer Jerry Tippin in attendance.

With several new delegates in attendance, introductions were in order for each delegate.

Chairman Jim Dorsey submitted a written Chairman's Report. In his report Chairman Dorsey expressed his belief that our profession is being challenged today more than it ever has. He stated that years ago, the Civil Engineer lost the right to practice land surveying. While many engineers recognize that they as individuals are not qualified to be land surveyors, others believe that they should still have the right to practice land surveying. He briefly explained the history of former NCEE now know as NCEES. When he served on the California Board and participated with NCEES, it was NCEE and there was a Land Survey Committee. Any actions the committee took were part of the official record. When time came to consider a name change to include the recognition of the land surveyor, there was much resistance and a strong campaign was launched to defeat the issue. The Land Surveyors formed a Land Surveyor's Forum and through that network reach each Individual State Board and lobbied for passage of the name change. It passed and the National Council is now known as "NCEES". Shortly thereafter, the Land Surveyor Committee was abolished. The excuse given was that one land surveyor would be assigned to every committee

(Continued on Page 7)

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

1999 PLSW MEMBERSHIP APPLICATION PROFESSIONAL LAND SURVEYORS OF WYOMING

AFFILIATE — AMERICAN CONGRESS ON SURVEYING AND MAPPING
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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.

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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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Northeast Chapter News

The Northeast Chapter of the Professional Land Surveyors of Wyoming had their October meeting and the chapter has come up with two different programs. We tentatively would like to put a program with old surveying equipment used around the world plus the Powder River Basin area. This program has not been tied down completely at this time. The other program we would like to present would be on the history of Gillette and talk about Edward Gillette the founder of Gillette. Edward Gillette is whom the Town of Gillette was named after, it was originally going to be called Donkey Town for *Donkey Creek that runs through town*.

We would like to present both programs if it is possible. We have not been able to contact the gentleman we need to for the survey equipment presentation. Once we contact Mr. Bailey we will pursue the program more. Both programs would work good in Gillette and not very well for other locations because who wants to hear about an Engineer/ Surveyor named Edward Gillette in Casper and Mr. Bailey doesn't want to travel with his instruments and equipment.

Please forward this information to who ever needs it, if any questions come please contact me at imusc@pcaengsur.com or wk (307) 687-0600 hm (307) 686-7071.

Cevin Imus Secretary / Treasurer N.E. Chapter

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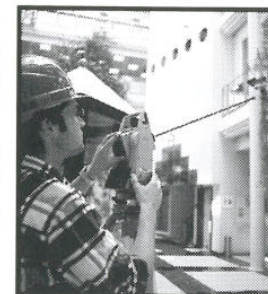
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TENTATIVE PROGRAM

Thursday, February 4, 1999

- 8:00 - Noon ASCE Seminar Program
1. Soil Retaining Structures
 2. Reinforced Masonry Design
 3. Applications in Surface Hydrology
 4. To Be Announced
- 1:00 - 5:00 1. PLSW Meeting
2. WACERS Meeting
- 1:00 - 2:30 1. WACES Meeting
2. WAM-PIC Meeting
- 2:45 - 3:45 1. ASCE Meeting
- 4:00 - 5:00 1. WSPE Meeting

Friday, February 5, 1999

Changes to GPS Infrastructure in Wyoming
Foote Creek Rim Survey
Ultra-Thin Whitetopping in Gillette
Mining Equipment Evolution
Independent Resurveys - Tract Segregation
Hauling Coal into the 21st Century
Mother Lode of the Nation's Compliance Coal
Design and Delivery in an Electronic World

Saturday, February 6, 1999

Importance of WYDOT Monuments for Surveyors
Cause and Impact of Western United States Power Outage
in the Summer of 1996
Membrane Gas Transfer and Applications
Historic Survey Instruments
Statewide Bicycle/Pedestrian Master Plan
Load & Resistance Factor Design for Engineered Wood
Construction

TENTATIVE SPOUSE PROGRAM

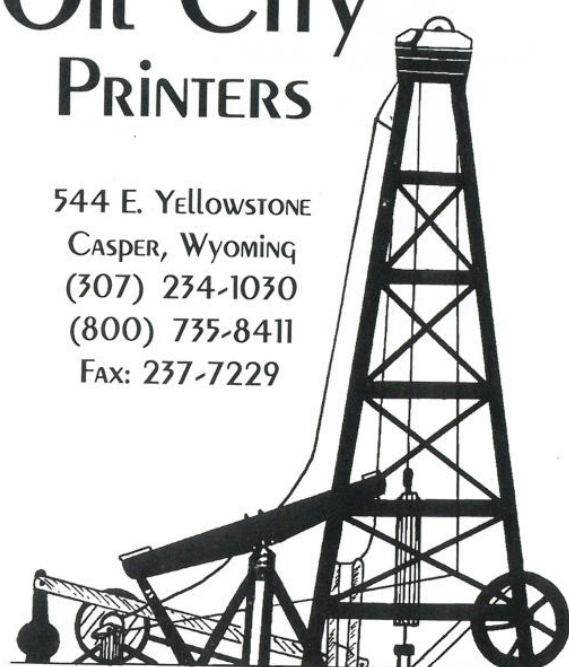
Friday, February 5, 1999

Excursion to Deadwood, South Dakota
Sightseeing, luncheon, shopping, casinos



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

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"Whatever you say sir!"

The following is a radio conversation released by the Chief of Naval Operations 10-10-95

Americans: "Please divert your course 15 degrees to the North to avoid a collision."

Canadians: "Recommend you divert YOUR Course 15 degrees to the South to avoid a collision."

Americans: "This is the Captain of a US Navy ship. I say again, divert YOUR course."

Canadians: "No. I say again, you divert YOUR course."

Americans: "THIS IS THE AIRCRAFT CARRIER USS LINCOLN, THE SECOND LARGEST SHIP IN THE UNITED STATES' ATLANTIC FLEET. WE ARE ACCOMPANIED BY THREE DESTROYERS, THREE CRUISERS AND NUMEROUS SUPPORT VESSELS. DEMAND THAT YOU CHANGE YOUR COURSE 15 DEGREES NORTH, THAT'S ONE FIVE DEGREES NORTH, OR COUNTER MEASURES WILL BE UNDERTAKEN TO ENSURE THE SAFETY OF THIS SHIP."

Canadians: "This is a lighthouse. Your call!"

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Or contact Randy Rowley at 307-872-7152
for further information.

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.

The web site is at <http://www.loc.gov/> - go the American Memory Collections.

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Department of Labor Occupational Outlook

When conducting a recent Internet search, I came across the U.S. Department of Labor's 1998-1999 Occupational Outlook ("00") description of "Surveyors and Mapping Scientists". "00" is a regularly published government document which describes hundreds of occupations in our economy and forecasts the job outlook for each occupation. I was first involved with 00 and the Labor Dept. with "Dictionary of Occupational Titles" in the early-mid 1980s when I was with ACSM, when we were successful in getting Labor to adopt the title "Surveyors and Mapping Scientists".

The current "00", (text attached) amazingly forecasts a DECLINE in job opportunities for surveyors and mapping scientists. This is an outrage given the current critical labor shortage, particularly in photogrammetry and GIS, and the market forecasts of 15-22 percent growth annual over the next 5 years.

I think we would all agree that recruitment is one of the major challenges we face, and if the Labor Department is telling prospects, particularly students making career choices, that the job outlook for surveyors and mapping scientists is not good, it makes our members efforts that much more difficult.

I would strongly suggest that we organize a campaign to petition the Labor Department to amend its "00" for Surveyors and Mapping Scientists. Please review the attached and let me know if you agree and are willing to participate in such a campaign.

John Palatiello
MAPPS Executive Director

1998 Map Plat Competition

1. The following are the winners of the PLSW map competition to be submitted to the ACSM/NSPS national competition.
 - a. **Subdivision:** *H & B Tracts*; by Michael Flaim, Cornerstone Surveying; Cheyenne.
 - b. **Boundary:** *State Highway 130*; by Cotton Jones; AVI; Cheyenne.
 - c. **ALTA:** *Flying J*; by Shane Hansen; Steil Surveying Services; Cheyenne.
 - d. **Miscellaneous:** *Cheyenne Business Parkway*; Cotton Jones; AVI; Cheyenne.



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ACSM CODE OF ETHICS

1. Approved by the ACSM Board of Direction on April 12, 1997, at Seattle.
2. Legal review confirmed by letter dated August 7, 1997, from ACSM Executive Director John Lisack.
3. Published in "Utah Foresights" within an article authored by Wendy J. Woodbury Straight, L.S.

"A surveyor's prescription for ethical practice, for example, is now recommended by ACSM as follows:

CODE:

As surveying and mapping professionals, we recognize that our ethical responsibilities extend to the public, to our clients, and to our peers. Accordingly, we acknowledge the following elements to identify our basic values, integrity, competence, and social awareness. Surveying and mapping professionals uphold and advance these values by (I) supporting and participating in the continuing development of the surveying and mapping professions; (II) Serving with honesty, with forthrightness, and within their areas of skill; (III) using their expertise for the enhancement of human welfare and for the stewardship of resources.

CREED:

As a professional surveyor, I dedicate my professional knowledge and skills to the advancement and betterment of human welfare. I pledge to give the utmost performance, to participate in none but honest enterprise, to live and work according to the laws of humankind and to the highest standards of professional conduct; to place service before profit, honor and standing of the professional before personal advantage, and the public welfare above all other considerations.

CANONS:

In humility and with the need for divine guidance, I make this pledge: A professional surveyor should (1) refrain from conduct that is detrimental to the public; (2) abide by the rules and regulations pertaining to the practice of surveying within the licensing jurisdiction; (3) accept assignments only in one's area of professional competence; (4) develop and communicate a professional analysis and opinion without bias or personal interest; (5) maintain the confidential nature of the surveyor-client relationship; (6) use care to avoid advertising or solicitation that is misleading or otherwise contrary to the public interest; (7) maintain professional integrity when dealing with members of other professions.

A) Wyoming Surveyors and Engineers Practice Act, Section 33-29-119, Wyoming Statutes 1987: *Powers and duties of board.*

(g) The board may adopt a nationally recognized code of ethics for the practice of engineering and land surveying for registrants.

B) Board of Registration for Professional Engineers and Professional Land Surveyors, Rules and Regulations, revised March 11, 1996, Chapter V, Regulatory Provisions
Section 1. *Rules of Professional Conduct*

(b) All registrants shall comply with the following standards. In the event the attached code of ethics and the following standards conflict with one another, the standards

-WESTFED REPORT

(Continued from Page 4)

of NCEES, that way the Survey community was always represented. (Note: now always a minority.) Anyone who objected was never invited back. Next, NCEES removes most boundary and GLO elements from the National Exam. They stress that boundary and legal elements are best left to the individual states. Next, came a move that a degree in Land Surveying, or a related field, is required for professional registration. Now comes the joint report from ACSM, ASPRS, MAPPS and NSPS, as requested by NCEES to make recommendations for future registration as a land surveyor. The joint committee (note that NSPS has a minority vote) makes recommendation to NCEES that surveying practice be divided into three parts, with engineers being able to practice two out of the three. Mr. Dorsey continued to state that from this platform, we could now ask several questions. Who has represented the land surveyor in this process? Was the land surveyor ever in a position of majority while these decisions were being made? Was the NSPS membership appraised of the process and to have opportunity to express opinion, or was it a done deal before the general membership was aware of the results? Why should others be allowed to decide who we are? Who in private practice can survive if the only function left protected by our license is boundary? Most important of all, if the land surveying community does not protest these happenings, who will? Mr. Dorsey goes on to urge every delegate to discuss these matters with their respective State Organizations and let NCEES and NSPS know that this is not acceptable!

Secretary Dave DiFulvio reported that minutes were now being printed on double-sided sheets. Dave also expressed the importance of delegates getting in their State Reports so as to include them along with the agenda for each Board of Directors meeting. It was also requested that the meeting minutes should be sent out as soon as possible to help delegates get their reports back to their respective membership.

Jerry Tippin submitted a written financial report ending September 30, 1998. Total assets are \$89,490.21, of which \$21,896.26 was earmarked for scholarship funds.

Conference 1999 committee chairman Chuck Pearson reported on the memorandum of understanding with ACSM on the 1999 convention to be held in Portland, Oregon March 13-18, 1999. Chuck also reported on an invitation from the California Land Surveyors Association and Nevada Association of Land Surveyors to co-host their conference in the year 2000. After much discussion it was agreed to keep the WFPS conferences at a biennial sequence and to send a letter of thanks but no thanks to CLSA and NALS for our participation in their year 2000 annual conference.

The scholarship committee is preparing for the 1999 submittals.

John Abenroth gave a lengthy report updating the history of NAFTA /NSPS and the establishment at a mutual recognition document. This appears to be a long process with NSPS being recognized as the representative organization for surveyors in the United States.

Bud Campbell was nominated and unanimously approved as the next Chairman-Elect for WFPS.

The following are highlights from verbal and written State Reports:

Alaska - Alaska Society of Professional Land Surveyor's current membership is 165, which is below last year's count.

Arizona - Arizona society president verbally reported that Arizona has standardized its drawing sizes and has instituted voluntary soon to be mandatory continuing education requirements.

California is presently evaluating its 1.9% passing rate (9 out of 471) for the 1998 California Land Surveyors examination.

Colorado continues its primary efforts in directing its four-year degree program at the Metropolitan State College in Denver along with ABET accreditation. Colorado's Fall Technical Program and annual meeting are scheduled for December 3, 4, & 5 at the Colorado School of Mines in Golden.

Hawaii - After several years of not having a delegate from Hawaii at the WFPS Board of Directors meetings, it was great to have Hawaii delegate Mary M. Cummins in attendance for this meeting. From her submitted written report: The next annual Hawaii Association of Land Surveyors/ACSM/APRS conference will be held on January 20-22, 1999 at the Outrigger Prince Kuhio Hotel in Honolulu, Hawaii. The HALS Board members testified at hearings at the State Legislature against a proposed Senate and House bill to change the format of the licensing exam to a strictly multiple choice exam. Several hearings were held, but the Department of Commerce and Consumer Affairs Examination Branch won out with the final format of the special problems and Hawaiian Land Matters portions of the exam being changed to a multiple choice format.

Idaho - The Idaho Board of Registration conducted public hearings throughout the state for rules of continuing professional development. As a result of those hearings, the Board has decided to propose that those persons licensed to practice professional land surveying be required to comply with the requirement of completing 15 hours of continuing professional development as a condition of license renewal. If adopted by the Board and approved by the Legislature, the rules would go into effect on July 1, 1999.

Oregon - The Professional Land Surveyors of Oregon is continuing to be healthy as there are currently 606 paid members including corporate, associate life, special and student members. Continuing education credits will be effective January 1, 1999 with requirements beginning with the license renewals in July, 1999.

Utah - The state convention will be January 28 & 29, 1999 at the Little America Hotel in Salt Lake City. The keynote speaker

(Continued on Page 8)



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DRAFT
Professional Land Surveyors of Wyoming
Board of Directors Meeting Minutes

13 November 1998

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

- a. Location: Casper, Wyoming, at the Parkway Plaza Motel.
- b. Date & Time: Thursday, 13 November 1997 at 12:34 p.m., M.S. T.
- c. Presiding Officer: Mr. Rick L. Hudson, P. L. S.,

-WESTFED REPORT

(Continued from Page 7)

will be Donald Wilson.

Washington - The Land Surveyors' Association of Washington and it's GIS Committee is working on identifying thresholds between cartography and land surveying, also, a course of action to certify GIS technicians or have data collected and processed under the supervision of a PLS.

Wyoming - PLSW Board of Directors met September 12 in Rawlins with the meeting being hosted by the Upper Platte River Chapter. The Fall Technical Session is to be held in Casper, the 12th and 13th of November. The Board of Directors motioned and approved that a letter be sent to the Wyoming State Board of Registration from PLSW requesting them to 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 professional land surveyor or professional engineer authorized to practice land surveying.

The next meeting for WFPS is scheduled for January 9th 1999 in either Phoenix or Las Vegas depending upon accessibility and economics.

Meeting was adjourned at 3: 10 p.m.

John W. Miller
Technical Consultant

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President.

2. Agenda: The proposed agenda was modified. The formal agenda is appended. [Appendix A]

3. B.O.D. Minutes: Motion was made by Jones, seconded by Lee, to approve the corrected minutes of the Board of Directors' meeting of 12 September 1998 at Rawlins. Approved.

4. Secretary's Report: The census was circulated with the annual PLSW Manual updates. Only about fifty percent of the forms have been returned. It was requested that the Directors contact their members and request that the census forms be returned. It was announced that the FAX numbers and possibly e-mail addresses will be incorporated in the 1999 Directory. Therefore, the census forms must be completed and returned. The Secretary indicated that the 1998 annual reports and financial statements from the Chapters were due by 5 January 1999.

5. Treasurer's Report: A report of financial activities was presented. As of 1 November the checking account balance was \$13,642.45 [Appendix B]. The Income statement was distributed with the pre-meeting documents. There were no questions or discussions.

a. A preliminary oral report of the financial accounting for the 1998 PLSW Fall Technical Session was submitted. \$12,022.54 has been deposited since 1 November (some of the monies include dues and earning). There was no action required.

b. The Treasurer was directed to investigate other forms of investment of scholarship funds. Motion was made by Jones, seconded by Lee to table the investment policy statement discussion. Approved.

6. President's Report: President Hudson reported that there were no additional matters since he wrote his column in the last issue of Lines & Points.

7. Committee Reports:

a. Audit-Finance Committee - This committee has only a year-end report which is presented at the Annual Membership Meeting..

b. Bylaws Committee - Chairman Dolinar reported that the committee reviewed the submissions for Corresponding Member and change of titles of the organization's officers. The Committee reported that it found no need for the Corresponding Member and will submit nothing to the Board of Directors for approval. Since there would be considerable Bylaw revision if the office of Vice President to President-Elect and the division of the office of Secretary/Treasurer to two separate officers were created, Chairman Dolinar recommended that these matters be discussed at the 1999 Annual Membership Meeting. The Secretary/Treasurer was directed to place the matter on the agenda.

c. Convention Committee - Mr. Fields reported that the WES Annual Meeting will be at the Holiday Inn in Gillette, with the Towers West being the backup hotel. Friday's lunch and dinner will be at the CAMPLEX, and Saturday's lunch and dinner will be at the Holiday Inn.

d. Education Committee - The 1998 Fall Technical Session

(Continued on Page 9)

Announcement
**Metropolitan State College of
Denver Offers A Second Degree
In Surveying**

It has been announced that the Metropolitan State College of Denver can offer the Bachelor of Science in Surveying and Mapping as a *second* undergraduate degree. This means that students having earned another baccalaureate degree W, MSCD, or *any other accredited institution*, do not have to complete 129 semester credits of academic work. With a *minimum of 39* semester credits, a B.S. degree in surveying and mapping can be awarded

The procedure is outlined in the current MSCD college catalog. According to Dr. Herbert W. Stoughton, Professor of Surveying at MSCD, when a graduate from a four-year program either at MSCD or another recognized institution submits official academic records, the student can receive credit for 90 semester credits of academic work. The student must then complete a *minimum* of 39 credits to be awarded the second degree. The selection of courses is done by the Department and the surveying progrwn's academic advisor. Dr Stoughton added that if the student was deficient in other related academic subjects, then additional courses would be required, thus possibly increasing the number of credits in excess of the 39 previously stated.

This program is extremely attractive to civil engineers seeking dual registration/licensure as professional engineers and professional land surveyors. In all likelihood a civil engineering graduate and a civil engineering technology graduate would have sufficient credits in mathematics and physics to satisfy curriculum requirements. Individuals with baccalaureate degrees in mathematics and physical sciences (with a mathematics minor) would require only surveying courses and one or two courses in cognate subject areas. Graduates of programs not emphasizing mathematics, physical and geophysical sciences, and/or engineering disciplines would require additional course work above the minimum '39 credits.

Dr. Stoughton stated that the assessment of each perspective student would be on an individual basis. He also emphasized that the minimum course work required would conform with the current academic requirements for professional registration/licensure in the United States and the ABET (Accreditation Board for Engineering and Technology).

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. 26 N., R. 71 W.	Dep. Res.	6 P.M.	6/10/1998
T. 23 N., R. 116 W.	Dep. Res.	6 P.M.	6/10/1998
T. 24 N., R. 116 W.	Dep. Res.	6 P.M.	6/10/1998
T. 49 N., R. 66 W.	Dep. Res.	6 P.M.	9/09/1998
T. 49 N., R. 67 W.	Dep. Res.	6 P.M.	9/09/1998
T. 49 N., R. 68 W.	Dep. Res.	6 P.M.	9/09/1998
T. 44 N., R. 75 W.	Dep. Res.	6 P.M.	9/28/1998
T. 45 N., R. 76 W.	Dep. Res.	6 P.M.	9/28/1998
T. 50 N., R. 66 W.	Dep. Res.	6 P.M.	9/28/1998
T. 50 N., R. 67 W.	Dep. Res.	6 P.M.	9/28/1998
T. 45 N., R. 74 W.	Dep. Res.	6 P.M.	9/28/1998
T. 46 N., R. 74 W.	Dep. Res.	6 P.M.	9/28/1998
T. 47 N., R. 74 W.	Dep. Res.	6 P.M.	9/28/1998
T. 48 N., R. 74 W.	Dep. Res.	6 P.M.	9/28/1998
T. 46 N., R. 75 W.	Dep. Res.	6 P.M.	9/28/1998
T. 40 N., R. 81 W.	Dep. Res.	6 P.M.	9/28/1998
T. 52 N., R. 71 W.	Informative Traverse	6 P.M.	9/28/1998
T. 53 N., R. 71 W.	Informative Traverse	6 P.M.	9/28/1998
T. 52 N., R. 72 W.	Informative Traverse	6 P.M.	9/28/1998
T. 54 N., R. 73 W.	Dep. Res.	6 P.M.	12/03/1998
T. 20 N., R. 79 W.	Dep. Res.	6 P.M.	12/03/1998
T. 21 N., R. 79 W.	Dep. Res.	6 P.M.	12/03/1998
T. 20 N., R. 80 W.	Dep. Res.	6 P.M.	12/03/1998
T. 21 N., R. 80 W.	Dep. Res.	6 P.M.	12/03/1998

As other surveys are completed, I will advise you of their acceptance. Please publish this letter in the next issue of *Lines and Points*.

Sincerely, John P. lee, Chief, Cadastral Survey Group

Letter to the Editor

11/10/98

To: PLSW Board of Directors

From: Joel Ebner

Re: Trig-Star Report

As I previously reported, the 1998 PLSW Trig-Star competition has been completed. The winners were Edmond Priddis of Big Piney and his teacher Rick Costello. I was hoping to obtain a picture of Edmond and Rick being presented with their awards to publish in *Lines & Points* but I haven't been successful. Still no word on the winner of the national contest.

I've had several discussions with PLSW members active in the Trig-star program about ways to improve the participation. I hope to implement some of their suggestions in the coming year.

As for the 1999 budget, I believe the expenses for Trig-star will remain the same as the last several years. \$600 for cash prizes and whatever the cost of the plaque has been. I don't know offhand what was budgeted last year but I'm sure it will be adequate for 1999.

Thank you for your continued support of the program.

-BOARD MINUTES

(Continued from Page 11)

meeting will be in Portland, Oregon, jointly with ACSM and ASPRS.

9. Old Business:

a. Big Sky 2000 Conference: The conference will be held at Big Sky, Montana, in April 2000. There has been no activity by the planning committee since September, therefore there were no action items.

b. New Jersey Soc. P. L. S. video project: The chapters were polled for their donations.

Northwest: \$36.00, Southeast: \$25.00, Central: \$50.00. The other chapters will inform the Secretary/Treasurer by mid December. Motion by Vliem, seconded by Lee, that the Treasurer send a check for \$500.00 to support the New Jersey program.

c. National Code of Ethics: Motion by Lee, second by Stoughton, that the editors of Lines & Points publish the ACSM/NSPS Code of Ethics, and that the subject be placed on the agenda of the 1999 Annual Membership Meeting. Approved.

d. Colorado Section of ACSM: Mr. Thomas Cave, Chairman of the ACSM Colorado Section, requested PLSW support for nominations for the Walter Dix and Earle Fennell Awards of the American Congress on Surveying and Mapping. Motion by Davis, seconded by Vliem, that President Hudson write a letter supporting these nominations.

10. New Business:

a. 1998 schedule and location for the PLSW B.O.D. meetings - tentative schedule:

1. Gillette, 4 February 1999, at the site of WES Annual Meeting.

2. Riverton, 22 May 1999 (location to be determined).

3. Cheyenne, 28 August 1999 (location to be determined).

4. Casper, mid November 1998, at the site of PLSW Fall Technical Session.

11. 1999 Budget: The Secretary/Treasurer circulated a proposed budget for calendar year 1999. After review of the document and modifications, motion by Jones, seconded by Reid to accept the proposed 1999 budget for presentation to the membership at the 1999 Annual Membership Meeting. Approved. [Appendix C]

12. Announcements:

a. Annual Meeting of PLSW will be held at the 1999 WES Annual Meeting in Gillette.

b. Becky Braman is a candidate for the ACSM/NSPS Area 7 Director.

13. Next Board of Directors Meeting: The next meeting will be Thursday, 5 February 1999 immediately after the 1999 General Membership Meeting.

14. Adjournment: The meeting was adjourned at 4:30 p.m.

Respectively submitted,
Herbert W. Stoughton
Secretary/Treasurer



SOUTH CENTRAL CHAPTER

DECEMBER 1, 1998 MEETING MINUTES

On December 1, 1998, The South Central Chapter of the PLSW held a general meeting at the offices of Civil Engineering Professionals Incorporated, at 355 N. Lincoln, Casper Wyoming. Those in attendance were Dan McClenahan; President, Mike Blum; Secretary/Treasurer, Steve Strang, John Hibsman, Bill Auyer and Bill Fehringer.

Dan McClenahan called the meeting to order at 7:08 P.M.

Mike read the minutes from the last meeting held September 8, 1998. They were approved as read. He reported that \$28.30 was spent on a prize gift for the Fall Technical Session and a balance of \$498.17.

OLD Business:

• Natrona County Monumentation Project - Many decisions were made: August 7, 1999 has been set for a field trip to the southeast corner, we are making it one of our regular meetings and social gathering. Bill Auyer will contact John Lambert to see if he has any information, Dan is assembling information on a permanent monument, we would like to GPS for state plan coordinates. Our next regular meeting in 1999 (February 16) will firm up the date and assignments.

NEW Business:

• 1999 Dues - We voted to have dues again for next year - they will be \$10.00 Bill Fehringer and Mike Blum have paid at this meeting.

• 1999 Meetings - next years meeting dates will be: February 16, May 4, August 7 (Field Trip) and December 7.

• 1999 Officers - Voting was held and our chapter officers for 1999 and are as follows:

President: Dan McClenahan

Vice President: Kent Wolz

Secretary-Treasurer: Jim Jones

Director: Don Davis

• General Discussion - Mike showed some examples of topo maps that can be downloaded from the web and printed with Autocad 14.

The meeting was adjourned at 8:32 PM. We hope to see all of you at our next meeting February 16, 1999. As you can see we will have important things to discuss. Please mark your calendars!!!! P.S. Remember to bring a guest who might be interested in our great organization.

BUMPER STICKERS

- Cover me. I'm changing lanes.
- I brake for no apparent reason.
- I'm not as drunk as you think I am.
- Forget about World Peace; Visualize using your turn signal.
- Horn broken. Watch for finger.
- He who laughs last thinks slowest.
- Lottery: A tax on people who are bad at math.
- Change is inevitable, except from a vending machine.
- Time is what keeps everything from happening at once.
- Born free; Taxed to death.
- The more people I meet. the more I like my dog.
- Laugh alone and the world thinks you're an idiot.
- I get enough exercise just pushing my luck.

-BOARD MINUTES

(Continued from Page 8)

of Directors agreed that the session was a good program and that there were excellent logistics. Three recommendations for improvement were to:

(1) place on the preregistration form an indication if a receipt was required so that these could be prepared prior to the session; (2) have a financial incentive for preregistration, rather than on-site registration [this year 35 attendees registered on site]; and (3) the possibility of a portable microphone - speaker public address (PA) employing a "clip-on" microphone.

The Laramie County Community College surveying program was discussed. Because of low enrollments (less than the minimum required by the College to conduct a course) no classes have been offered in recent years. Dr. Stoughton indicated that he is planning a meeting with the Dr. Mohamed Salih, LCCC Vice President of the Business and Technology Division, to discuss this matter and seek alternative education formats. Dr. Stoughton asked Mr. Fields to schedule a session at the 1999 WES meeting to discuss surveying education opportunities available for Wyoming residents.

e. History Committee - It was requested that each of the Chapters submit histories or reports of their activities gleaned from the Chapters' minutes for inclusion in the Society history.

f. Legislative Committee - It was reported that the 1999 legislative session was for enacting statutes. The SBRPEPLS is working on resubmitting proposed legislation for modifying the current statute. This will be similar to the 1997 HBO194. It was reported that a right-of-entry bill is being introduced by non-

surveyors. The matter of requiring a Record of Survey plat filing was discussed. The matter is to be discussed at the 1999 Annual Membership Meeting.

g. Lines & Points - Co-editor Davis stated that the submissions for the winter issue must be submitted by 30 November.

h. Manual of Professional Practice - Chairman Oakley reported that copies of "Manuals" from Nevada, Pennsylvania, and Oklahoma were being reviewed by the committee. It is proposed that a draft copy of the manual will be submitted to the general membership at the 1999 Annual Membership Meeting.

i. Membership Committee - motion was made by Stoughton, seconded by Jones, to accept the following

(Continued on Page 11)

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–BOARD MINUTES

(Continued from Page 9)

applications for various membership categories: Member: James R. Bassett; Richard D. Inberg; Robert L. Kay; Kenneth Magradi; Jerome M. Mark; Clifford A. Robinson; Thone Stewart; and Thomas D. Tucker; Associate Member: William R. Auyer, Jr.; Casi Craig; Bruce W. Frederick; Josh Johnson; Edwin Lavino; Mark Loveland; C.D. McCurry; and David F. Pedersen; and Reinstatement: Harry S. Pierce (member). Approved.

j. Nominations & Elections Committee - three items.
1. Election of officers: No nominations have been received by the committee since the last meeting. The slate of officers is:
a. Rick L. Hudson, president.
b. Richard W. Greenwood and Jeffrey B. Jones, vice-president.

c. Herbert W. Stoughton, secretary/treasurer.
2. Motion by Lee, seconded by Vliem, that the Secretary/Treasurer prepare and mail the ballot to the voting members by mid December. Approved.

k. P.L.S.W. Handbook Committee - The Secretary/Treasurer reported that in the future he would handle the circulation, because the accepted printer is in Cheyenne, and the logistics of submitting materials to new members would be centralized.

l. Professional Awards Committee - President Hudson and Vice President Jones report on this matter at the Annual Membership Meeting.

m. Public Relations Committee - Chairman Perry submitted a report. It was suggested that the 1983 brochure be updated and printed. Monies would be provided in the 1999 budget.

n. S. O. S. Committee - Chairman Jones reported that there had been nine submission. It was stated that because the ACSM deadline for the Map Competition is in December, that the PLSW map competition would be conducted at the Fall Technical Session. There was a general discussion concerning the corner record competition. There were no action items.

o. Scholarship Committee - no report.
p. Standards, Ethics & Professional Practice Committee - Chairman Campbell reported that the committee had received no complaints to date, therefore there were no committee activities to report.

q. Trig-Star Committee - Chairman Ebner reported that he was attempting to obtain photographs of the 1998 winner and teacher. Also, he has had discussion with PLSW members on how to improve the participation in the program. There was no announcement by ACSM as to the national winner. A budget request for 1999 was submitted.

8. Delegate Reports:
a. ACSM-NSPS Board of Governors - Becky J. Braman was attending the Fall meeting during the week. She will submit her report to Lines & Points.

b. West Fed - Paul A. Reid submitted a written report which will be published in Lines & Points. He reported that the 1999

(Continued on Page 12)

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