

Institutional Affiliate of American Congress on Surveying and Mapping.

The California Surveyor

No. 75

The Voice of the Land Surveyors of California

Summer, 1984



Odometer Survey of San Diego County—1894

San Diego County has the distinction of having on record one of the most unique surveys ever proposed by a County Surveyor and authorized by the Board of Supervisors. This survey is known as the Odometer or "Wheelbarrow" survey.

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The California Surveyor

is the quarterly publication of The California Land Surveyors Association and is published as a service to the Land Surveying profession of California. It is mailed to all Licensed Land Surveyors and Land Surveyors in Training in the state of California as well as to all members of California Land Surveyors Association. *The California Surveyor* is an open forum for all surveyors, with an editorial policy predicated on the preamble to the constitution of the California Land Surveyors Association and its stated aims and objectives, which read:

"Recognizing that the true merit of a profession is determined by the value of its services to society, the 'California Land Surveyors Association' does hereby dedicate itself to the promotion and protection of the profession of Land Surveying as a social and economic influence vital to the welfare of society, community and state."

"The purpose of this organization is to promote the common good and welfare of its members in their activities in the profession of Land Surveying, to promote and maintain the highest possible standards of professional ethics and practices, to promote professional uniformity, to promote public faith and dependence in the Land Surveyors and their work."

Personnel

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Sustaining Membership

Membership in the California Land Surveyors Association as a sustaining member is open to any individual, company or corporation who, by their interest in the Land Surveying profession, is desirous of supporting the purposes and objectives of this association. For information regarding sustaining membership, contact the Editor of *The California Surveyor*.

Editorial Material

All articles, reports, letters and contributions are accepted and will be considered for publication regardless of the author's affiliation with the California Land Surveyors Association. Material should be sent to *The California Surveyor*.

Unless indicated, all articles in this publication are prepared by the editor.

EDITOR: J.E. Terry, L.S.I.T.
6059 Harwood Ave.,
Oakland, CA 94618

Cover: Portor P. Wheaton conducting the 1894 "Wheelbarrow Survey" of San Diego County. Photograph courtesy of San Diego Historical Society, Ticor Collection.

DEADLINE DATES FOR THE CALIFORNIA SURVEYOR

Fall September 15, 1984

Articles, Reports, Letters, etc., received after the above mentioned date will be placed in the next edition.

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President's Message

PRESIDENT'S MESSAGE

The surveyors in California are only one star in a field of fifty. The light that we put forth is a light that must come from within. For each of us, the star and its luster, or lack thereof, represents something different. But then that is as it should be, for we are Americans first and Californians second. As such, we have the freedom to pursue our own goals and to perceive them as we wish to without dictation from other sources. We enjoy freedom more here than we could in any other country on earth.

California is this nation's most populous state... a pace and trend setter that most of the other states and countries either copy or are envious of.

We who enjoy these gifts sometimes fail to remember the price that previous generations have provided to each one of us. More often we look at the large and dramatic battles that shaped the things that were to follow without realizing that if the blacksmith who shod the horse that carried the rider, who carried the message that

gave Washington the time to regroup, things might be very different today.

Freedom is for each one of us. But if we don't use it, then do we really have it?

Our star has shone brightly in the past. When CLSA was first formed, we had a goal and purpose each person could recognize. The big battle could be seen by all. Today we are working hard to see that the horse has his shoes still nailed on tightly. No doubt something not too exciting to most people, yet disastrous if not maintained.

Today, I received a letter from a surveyor who was complaining about how much a particular county was charging for survey records. He asked... "if our Association can't do something..."—and he is not even a member. He knew where to call and what he wanted, but not enough to join and help buy nails for horseshoes. Don't misunderstand—CLSA is here to be of assistance to every surveyor.

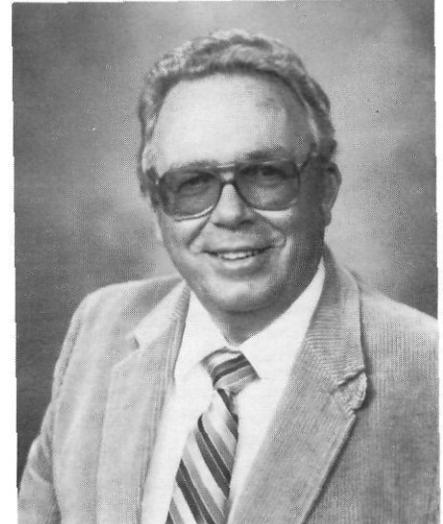
Our star shines brightly because of the hard work put forth by a few who are doing so much for the other. There are over 2,500 licensed land

surveyors in California. CLSA membership is 687... about one fourth are supporting the whole.

How bright can we shine? That depends on you remaining three fourths.

If our star could shine four times brighter, our horseshoes would never fall off.

James R. Dorsey
President



JAMES R. DORSEY, *President*
California Land Surveyors Association

by Robert W. Curtis

(Summer Edition, 1970, *The California Surveyor*)

It has recently come to my attention that we, in the Land Surveying profession, are still faced with a problem as old as the profession itself. I'm referring to "Week-ending" or, if you prefer, "Moonlighting." In either case, the practice is a black eye to our profession.

In my opinion, the Moonlighter is a cheat. He cheats the client, he cheats his employer and he cheats the profession. To begin with, the proper basis for any survey is research and on this point I believe the research must be performed by the surveyor doing the actual survey. Who else can properly judge when he has enough proper information with which to perform the survey? Pray tell, when will the Moonlighter do the research considering

all areas normally providing the needed information are only open 8:00 a.m. to 5:00 p.m. Monday through Friday. Lunch-hour searching is simply ridiculous. Therefore, the Moonlighter is cheating his employer. If he doesn't do a proper search, he is cheating the client. Under the circumstances, I suggest most moonlighters simply do not do a proper research.

So now to the field! I wonder whose equipment this paragon of our profession is using? Being in private practice, I can say with some authority that the days of needing only a beat-up transit and patched chain are long gone, except for the moonlighter that is. While the entire profession is working to develop higher standards of practice in all areas, our moonlighting friend has the whole operation in reverse!

Well now, let's get the job on the table. How often upon proper

analysis we find we need to return to the field to check a tie or look for additional information, or, for that matter, any reason at all. The moonlighter, of course, finds this out some evening after his (normal?) days work. At this point, he must wait until next week-end or forget and go ahead with the job. You guessed it, after all the Moonlighter was hired because he promised he could do a cheap job. *No doubt about it.* Next week-end it's back to the field to set the final stakes. If there's not enough time to finish the job on Saturday, there's always Sunday. That's what I call really putting the profession before the public. The people out for their Sunday drive can get a first-hand look.

At last we come to the map. The record of what was found and set, perhaps the most important single step of the survey, because right or

(Continued on page 4)

Articles (continued)

In 1850 the new State Legislature divided California into 27 counties. San Diego County alone had an area of 37,400 square miles, or approximately $\frac{1}{4}$ the area of the entire state.

The first maps of the County were roughly drawn showing only a few of the main traveled roads with here and there a community or town shown in their approximate location.

During the Boom of 1886 to 1888 the population of the County of San Diego had increased at such a rapid rate that in 1893 County Assessor C.H. Shepard asked the Board of Supervisors for assistance to locate all taxable inhabitants and property. He said he felt that many of the homesteaders in some of the more remote portions of the County were escaping taxation as they could not be found due to the lack of an accurate road map from which they

could be located.

In the spring of 1894, County Surveyor R.M. Vail asked permission of the Board of Supervisors to make a reasonably accurate new map showing all roads not previously surveyed; the location of all schools, churches and individual holdings en route.

Time was of the essence, and he proposed to sacrifice accuracy using a wheelbarrow upon which he proposed to mount a drawing board with a land surveyor's compass affixed while an odometer was calibrated to the wheel of the wheelbarrow, and with the aid of a clinometer he was ready to start his unusual one-man survey.

On April 26, 1894 the following news item appeared in the San Diego Sun—"County Surveyor Vail will this week put his wheelbarrow road measuring machine in operation on the roads of this county; the

survey being for the purpose of making a new map of the county."

Portor P. Wheaton, a mining engineer of some renown in the county, was assigned to the work and on the morning of May 8, 1894, he started from in front of the San Diego Post Office, pushing his wheelbarrow down the road toward National City recording all of the angular alignments with the surveyor's compass, and the distances between angle points from the Odometer readings on the wheel of the wheelbarrow.

The first leg of his survey took him past Jamul, Campo, and as far east as Jacumba. He continued this method on all the county roads and trails noting all points of interest en route, which he plotted on his work sheet which was affixed to the drawing board.

He carried only such supplies as necessary, such as bedroll, canteen and a small amount of provisions

(Continued on page 7)

President's Message (continued)

wrong it's done and the future surveyor *must* have this information. Does he file of Record of Survey? Most likely not, after all this will cost more money, and it will place his name before the profession as a Moonlighter. I suggest the map, like the entire survey, will be sub-professional.

Besides performing in a sub-professional manner, the Moonlighter often competes with the private practitioner on the basis of price, contending he can do the job cheaper and we all know what a "cheap survey" is worth. Moreover, it costs the private practitioner a great deal just to open his doors each morning, costs the moonlighter laughs at, such as office space, equipment, salaries, taxes, insurance, etc., Speaking of insurance, I wonder if the Moonlighter carries Workmen's Compensation and Errors and Omissions Insurance?

What about the poor client, what recourse does he have against Mr. Moonlighter who hasn't the proper insurance or business equity to back him up. Sure Mr. Moonlight can

lose his license if he makes a big enough mess, but that still doesn't help the poor client. If our friend works for a surveying or engineering firm, I wonder if some smart lawyer wouldn't name the firm in a suit. After all, he is after money, which most Moonlighters appear to be short of. The firm may not have any responsibility, but they have to pay to prove it.

In conclusion, I consider Moonlighting subprofessional and in some cases even dishonest. Any public agency, firm or corporation that knowingly permits their employees to conduct such a practice, are doing a disservice to the public, themselves and the profession.

The preceding was published in the 1970 summer edition of the California Surveyor as the President's Message by Robert W. Curtis.

The subject is still quite relevant and the liability question well established. I would now like to add the following comments:

The "Moonlighter" appears in today's society in several forms. A type of business that Mr. Curtis did

not describe is operated by the "Absent Practitioner".

This type of operation is run by a person that holds a full-time position, public or private, and may have all the trappings of a normal business; office, staff, advertising, etc. The "Absent Practitioner" is not present or active on a daily basis and his non-professional staff or partners invariably begin to make business and professional decisions. The person making these decisions is seldom qualified. If he were, he would be licensed wouldn't he? (Please note Board Rule 404.2, Responsible Charge).

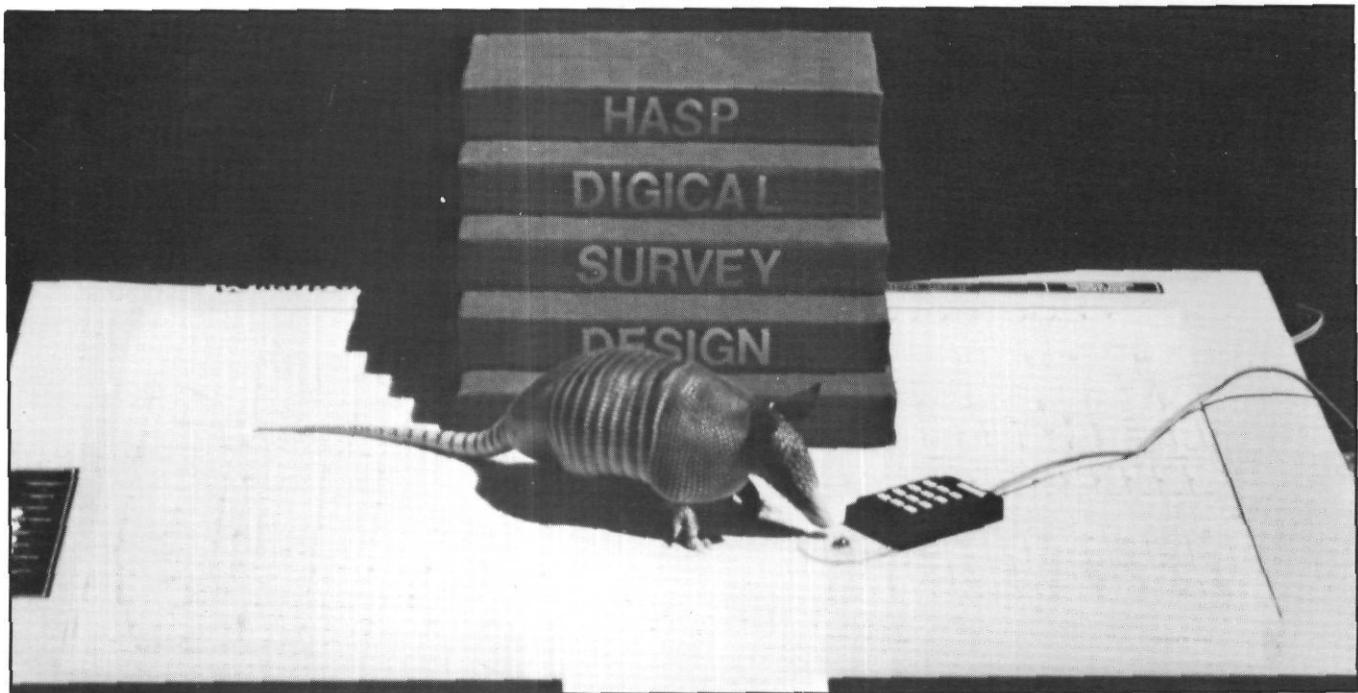
Yes, we as Land Surveyors are exceptional people...yet we are all human. With consideration of our families and our normal working week, none of us are capable of operating in such a manner without quickly degenerating into a "rubber stamp" situation. Why set yourself up?

Think about it; are a few extra dollars worth your integrity?

Peter H. Ehlert
President, Sonoma Chapter

□

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| Accuracy, vertical angle as standard | — | — | — | — | 1 min within ± 20 deg | 20 sec within ± 20 deg |
| Beam width, Mrad | 2.5 | 2.5 | 2.0 | 2.0 | 2.5 | 2.5 |
| Range at Standard Clear | | | | | | |
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Articles (continued)

which he stocked in the wheelbarrow under the drawing board.

By this method Surveyor Wheaton, without assistance, followed practically every road and trail within a radius of 80 miles from San Diego. It was remarkable the progress he made when you consider the roughness of the trails and the inconveniences encountered.

As each book of field notes as completed it was returned to the surveyor's office by stage, where Deputy County Surveyor Irving A. Hubon reduced the odometer distances to two horizontal measurements, and after making other mathematical calculations he delineated the new county map.

The survey was finished on December 29, 1894. During this time Surveyor Wheaton covered over 2328 miles in a little over seven months; having accomplished one of the most unusual surveys ever made of such magnitude.

Although this survey could not be considered by any stretch of the imagination as being accurate in comparison with methods and equipment used today, it did accomplish its purpose. It located all roads being traveled at that time. It located all towns, communities, schools, churches, ranches, rivers and other important topographic features, and in turn gave County Assessor Shepard information which assisted him in adding many parcels to the tax roll which heretofore could not be found; and last but not least it gave San Diego County its first coordinated map which actually located all of these points with relation to each other.

CHARLES J. WHITING— First Surveyor General (Served 1850-1852)

The first Legislature convened at San Jose, the original State Capitol, on December 15, 1849. The election of State officers by the Legislature took place one week later, December 22, and Charles J. Whiting won the office of Surveyor General in the second ballot. His leading contender was William M. Eddy, later the second State Surveyor General.

The hard facts about Whiting's life are few. The *Alta California*, on December 22, 1849, reported that

Capt. Whiting and two other individuals had been nominated for the Surveyor General's post, and later that Charles Whiting was finally elected. Whiting assumed office on the day of his election and maintained his office at San Jose. He lived on a farm some three miles distant from town, according to the James Carr California letters, and on one occasion earned about \$300 for three days of surveying. There is, in addition, a Charles Whiting listed in the Special State Census of 1852, as a surveyor, age 37, originally from Massachusetts and later a resident of Washington D.C. before settling in Santa Clara County. Beyond these meager details, the personal life of Charles J. Whiting is steeped in mystery.

The State Legislature was a strong critic of Whiting's work. His pay was reduced and his efforts were denounced, perhaps unjustly. The lack of staff and budget, the lack of cooperation from County surveyors, the absence of a land policy, and confusing land titles, were all serious impediments to the successful performance of the job. One duty of the Surveyor General was to inspect and recommend a site for the State Capitol; Whiting indicated that Vallejo would be a suitable place because of its deep water harbor and proximity to areas of high population. The Legislature met there briefly in January 1852, and again briefly in January 1853. Whiting also completed a survey of the town of Vallejo, and this appears to be the only official survey that he produced.

Whiting left office following the election of William M. Eddy. Whatever subsequently happened to Whiting has yet to be discovered. There is the possibility that Whiting is one in the same as Lt. Col. Charles Jarvis Whiting of Massachusetts who served in the Union Forces during the Civil War; however, this is only speculation and will remain so until proofs of identity are found. When (or if) that happens you can be sure that it will be reported.

—Herb Maricle

This series originally appeared in various editions of "California Landword" a monthly newsletter for the employees of the California State Lands Commission.

Herb Maricle is an associate land agent for the commission with a flair and interest for geneological research.

This is the first paper of the ongoing series.

SURVEYORS GENERAL FOR CALIFORNIA 1849 to 1929

| NAME | ASSUMED OFFICE |
|---------------------|-----------------|
| Whiting, Charles J. | Dec. 22, 1849 |
| Eddy, William M. | Jan. 5, 1852 |
| Marlette, Seneca H. | Jan. 2, 1854 |
| Brewster, John A. | Jan. 7, 1856 |
| Higley, Horace A. | Jan. 4, 1858 |
| Houghton, James F. | Jan. 6, 1862 |
| Bost, John W. | Dec. 2, 1867 |
| Gardner, Robert | Dec. 4, 1871 |
| Minis, William | Dec. 6, 1875 |
| Shanklin, James W. | Jan. 5, 1880 |
| Willey, Henry I. | Jan. 8, 1883 |
| Reichert, Theodore | Jan. 3, 1887 |
| Wright, Martin J. | Jan. 7, 1895 |
| Woods, Victory H. | Jan. 5, 1903 |
| Kingsbury, W.S. | Jan. 7, 1907 |
| Office Abolished— | August 14, 1929 |

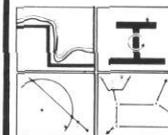
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Plotters which are currently supported included those by Hewlett Packard, Houston Instruments, Sweet-P, Amdec and Alpha-merics. Manuals are available separately.

For more information on COGO-PC or any other CIVILSOFT products write or call

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News Briefs

INTEGRATED DRAFTING INTRODUCED FOR SURVEYING SOFTWARE PACKAGE

KIRKLAND, WA—PacDraft-200, a complete drafting package for surveyors, has been announced by PacSoft to complement its widely-used COGO-200 surveying software series. When combined with a plotter, the new PacDraft-200 is capable of producing fully-annotated drawings from data in the COGO system. It eliminates the traditionally time-consuming process of hand-labeling lines on presentation drawings and facilitates computer-aided design in engineering field-work.

Developed for the Hewlett-Packard Series 200 computers, the COGO system itself reduces angle and distance measurements to three-dimensional coordinates. While working, each step in the design process is plotted and displayed automatically. Changes may be generated over an entire plan by altering only the first af-

ected point. The design sequence is subsequently stored in memory, allowing editing and re-execution at any time.

COGO-200 and PacDraft-200 are the first two volumes of ESP-200, PacSoft's integrated surveying software series. For topographic mapping applications, they are both compatible with the company's Digital Terrain Modeling package, introduced in 1982.

PacSoft, authors of COGO-200 and PacDraft-200, incorporated in 1981 to develop engineering software for Hewlett-Packard computers. The company participates in HP's "HP Plus" user-rating program and has its programs listed in the HP software catalog.

For more information contact: Katherine James (206) 822-5400.

PROFESSIONAL LAND SURVEYORS OF OREGON 1984 ANNUAL CONFERENCE

The following information is pertinent to our upcoming conference:

1. Subject—1984 PLSO Annual Conference (PLSO's 25th Anniversary)
2. Location—Red Lion Convention Center, 200 N. Riverside, Medford, OR 97504
3. Date—November 29, 30, and December 1, 1984
4. Theme—"The Surveyor and the Profession"
5. Host Chapter—Rogue River Chapter, PLSO
6. Direct inquiries to the Co-Chairmen—
Harold L. Center, PLS,
2604 David Lane
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Kurt C. Weaver, PLS
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Jacksonville, OR 97530,
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Topics of interest include:

1. The Future of the Surveyor and the Profession—Walter Robillard, past president, ACSM
2. The Benson Syndicate, Then and Now—Jim Fields, PLS and Steve Johnson, PLS
3. Panel Discussion—To Check or Not to Check Surveys
4. Personal Images—Ms. Bettie Henry
5. The Practical Application of Photogrammetry to Cadastral Surveys—Richard B. Davis, PLS

□

COURT INVALIDATES USE OF GIFT DEED FOR DIVIDING PROPERTY

A recent decision of the California Court of Appeals has apparently invalidated the use of a Gift Deed for dividing property. (*Pesolipo vs. Smith*: 142 Cal. Ap. 3d 964)

This decision states, in part, "The right to convey distinct saleable parcels to one's children is not fundamental and does not rest until the governmental agency responsible approves creation of the parcels conveyed."

This appears to mean that if someone proposes the use of a gift deed rather than parcel of final maps, such is not allowed.

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| ND-21 EDM with slope reduction (one mile range) | 25.00 | 15.00 | 10.00 |
| ND-31 EDM with slope reduction (two mile range) | 32.00 | 19.20 | 12.80 |
| Kern DM-503 distance meter (5 kilo. range) | 50.00 | 30.00 | 20.00 |
| AGA Geodimeter 120 EDM with vert. sensor (2 mile) | 45.00 | 27.00 | 18.00 |
| model 122 EDM with vert. sensor (3 mile) | 60.00 | 36.00 | 24.00 |
| Hewlett-Packard 3808A EDM (6 mile range to 9 prisms) | 50.00 | 30.00 | 20.00 |
| Cubic DM-20 electro tapes, 2 units (30 mile range) | 40.00 | 24.00 | 16.00 |

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|---|-------|-------|-------|
| Kern DKM-2AT one second theodolite | 35.00 | 21.00 | 14.00 |
| K1-MT six second theodolite | 25.00 | 15.00 | 10.00 |
| K1-ST thirty second theodolite | 25.00 | 15.00 | 10.00 |
| Lietz TM-1A one second theodolite | 30.00 | 18.00 | 12.00 |
| TM-6 six second theodolite | 25.00 | 15.00 | 10.00 |
| TM-10E ten second theodolite | 22.00 | 13.20 | 8.80 |
| TM-20H or TM-20C twenty second theodolite | 20.00 | 12.00 | 8.00 |
| TS-6 or T-60D one minute theodolite | 20.00 | 12.00 | 8.00 |
| Nikon NT-4D six second theodolite | 25.00 | 15.00 | 10.00 |
| NT-2D twenty second theodolite | 20.00 | 12.00 | 8.00 |
| NT-2S one minute theodolite | 20.00 | 12.00 | 8.00 |

TRANSITS

| | | | |
|---|-------|------|------|
| Lietz BT-20 or Nikon TT-800 twenty second transit | 10.00 | 6.00 | 4.00 |
| Nikon TT-400 one minute utility transit | 7.00 | 4.20 | 2.80 |
| BD-7F five minute utility transit | 6.00 | 3.60 | 2.40 |
| David White 8300 construction level-transit | 5.00 | 3.00 | 2.00 |

LEVELS

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|---|-------|------|------|
| Zeiss Ni-2 engineers 32X, 2nd order automatic level | 12.00 | 7.20 | 4.80 |
| Nikon AS or Lietz B-1 32X, 2nd order automatic level | 10.00 | 6.00 | 4.00 |
| Nikon AE-5 or Lietz B-2A 30X, engineers automatic level | 7.00 | 4.20 | 2.80 |
| Nikon AP-5 or C-3A 26X automatic level | 6.00 | 3.60 | 2.40 |
| Nikon AZ-1 or AZ-1S 22X construction automatic level | 5.00 | 3.00 | 2.00 |
| David White 8114 construction 12" dumpy level | 3.00 | 1.80 | 1.20 |

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| | | | |
|---------------------------------------|-------|-------|-------|
| Raytheon DE-719B recording fathometer | 25.00 | 15.00 | 10.00 |
|---------------------------------------|-------|-------|-------|

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| | | | |
|---------------------------------------|-------|-------|-------|
| Spectra-Physics EL-1 electronic level | 30.00 | 18.00 | 12.00 |
| 942 laser level, vertical/horizontal | 40.00 | 24.00 | 16.00 |
| 611 align. laser w/20 sec. transit | 15.00 | 9.00 | 6.00 |
| LT-3 alignment laser | 20.00 | 12.00 | 8.00 |

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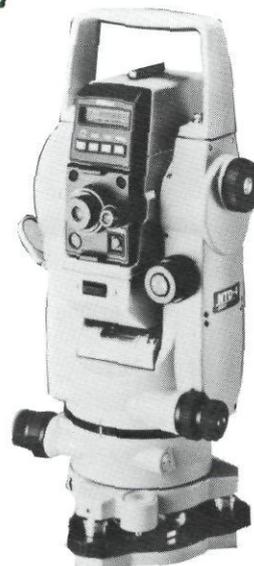
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Of Interest

OHIO TITLE COMPANY SOLICITATION FOUND IN VIOLATION OF VIRGINIA REGULATION

FALLS CHURCH, VA—A solicitation by an Ohio title company, sent to thousands of surveyors across the nation, is in violation of the professional conduct rules of the Commonwealth of Virginia, the American Congress on Surveying and Mapping has learned.

In a memorandum mailed to surveyors in February, Record Data, Inc. and its subsidiary Record Title Agency of Cleveland, Ohio sought to list surveying firms in localities for referrals. The title company claimed to be "gathering data on qualified local land surveyors," but their questionnaire sought only price quotes and failed to ask if the surveyor is licensed nor seek any other statement of qualifications.

The Record Data questionnaire also stated that a participating surveyor "would be obligated to Record Title Agency for 10% of the . . . fee." The Office of the Attorney General of the Commonwealth of Virginia has determined "that for a licensed Virginia land surveyor to enter into an agreement with Record Data, Inc. to reimburse that firm 10% of the land surveyor's fee for surveying work referred by Record Data would be in violation of Regulation 2.4 of the regulations of the Board."

Regulation 2.4 of the Virginia State Board for Land Surveyors states "the professional shall not offer, either directly or indirectly, to pay any commission . . . in order to secure work . . ."

ACSM Assistant Executive Director John M. Palatiello said, "Legal opinions have also been issued by boards of registration in Michigan, Ohio and Washington finding surveyors doing such business would be in violation of state law or regulations. We are not questioning Record Data's effort, but we believe a prudent, professional surveyor should thoroughly research the laws, rules and regulation, and code of conduct in his or her state before entering into such an agreement."

□

The ACSM Constitution provided for two senior grades of membership: Honorary Members and Fellows. These two grades of membership are described below. Please note that, although the new requirements for Fellow specify ten years of ACSM membership, candidates for Honorary Member need not be prior members.

Since ACSM and your society share goals and objectives, and have many members in common, it is fitting that you and your society have every opportunity to recommend the best of our profession for the senior grades of ACSM.

HONORARY MEMBERS

One of the objectives of ACSM is to honor the leaders in surveying and mapping science. The Constitution defines an Honorary Member: "Any person who has attained national or international recognition by contributions to the surveying and mapping profession, the criteria for which shall be determined by each Member Organization, may be elected as an Honorary Member by the Board of Direction." The Constitution also prescribes: "Honorary Members shall be proposed in a written petition, signed by at least 10 members of ACSM, and submitted to the Admissions Committee for review and recommendation. a 75% favorable vote of the Board of Direction is required to confer Honorary membership." The Board of Direction in March 1982 adopted the policy that the following procedures for anyone proposing election of an Honorary Member should include with the petition the following data:

- I. Service to our Country in war time (if it applies)
- II. Service to our Country in peace time
- III. Service to ACSM
- IV. Service to the International Community
- V. Service to the Profession
 - a. Speeches
 - b. Papers

ACSM FELLOW

A new program for selection of ACSM Fellows became effective on March 16, 1984 with a change to

membership requirements in the Constitution. This program, introduced by John D. Bossler and M. Neil Franklin, elevates the grade of Fellow to a high degree of professionalism with stringent requirements for selection. Details on the change to the Constitution and the new Fellow program were published in the October/November 1983 issue of *ACSM News*.

Candidates for ACSM Fellow must have achieved distinction through service to ACSM, contribution to an associated profession, or a notable career. Prospective candidates will be invited to apply by the Executive Director, acting for the Board of Direction. Additional prospects may be brought to the attention of the Board of Direction by any ACSM member in good standing, or by any organizational group within ACSM. Invited prospects will be requested to furnish information pertinent to their qualifications on a standard application form. The Admissions Committee will review all applications and forward them to the Board of Direction with recommendations for approval.

For details on eligibility and application for the grade of ACSM Fellow, write to ACSM, 210 Little Falls St., Falls Church, VA 22046.

□

OCCIDENTAL STUDENT WINS SURVEYING SCHOLARSHIP

SRJC, March 22, 1984. A second-year Santa Rosa Junior College student from Occidental received the E. Robert Jacobson Memorial Scholarship Award from the California Land Surveyors Association this week in a special ceremony honoring National Surveyor's Week, March 11-17.

Brian White, who is in his last year of studies toward an A.S. degree in construction technology with a certificate as a civil engineering technician, was given the \$300 scholarship award at the Surveyor's Week Banquet held at Sonoma Joe's earlier this month.

The scholarship was named after E. Robert Jacobson, a surveyor who worked for the firm of Hogan,

(Continued on page 14)

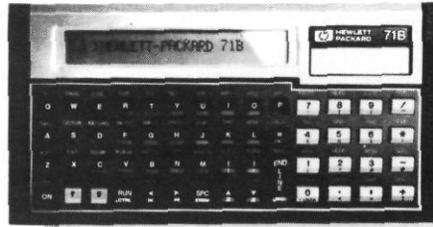


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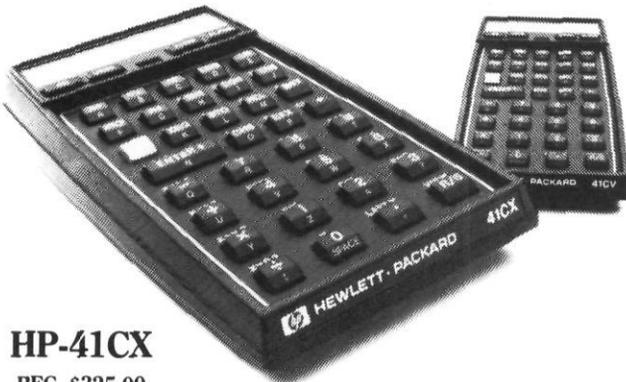
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| HP-12C Adv. Program-Financial | 120.00 | 100.00 |
| HP-15C Adv. Program-Scientific | 120.00 | 100.00 |
| HP-16C Computer Scientist | 120.00 | 100.00 |

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Of Interest (continued)

Schoch and Associates and was very active in forming the local chapter of the Surveyor's Association. He was killed in a plane crash in 1981.

Howard Brunner, vice-president of the land surveying firm of Ray Carlson & Associates, Inc. said that land surveying is one of the oldest professions.

White, who became interested in a career in surveying when he worked in the construction industry, hopes to work for a year as a civil engineering technician before completing his studies at Fresno State.

The 22-year-old student said he first became interested in surveying because a neighbor was in the field.

"I had skills in both math and drafting, and I found the field was perfect for me," White said.

White and his fiancée, Carol Morales, who is also a student in the civil engineering technical program at SRJC, hope to return to Sonoma County after they have received their B.S. degrees and open their own surveying business.

□

VIRGINIA CONGRESSMEN SUPPORT JEFFERSON- SURVEY STAMP

FALLS CHURCH, VA—All twelve members of Virginia's Congressional delegation have signed a letter endorsing the issuance of a stamp in May, 1985 to commemorate the 200th anniversary of America's public land survey system (PLSS).

The letter, circulated by Rep. Herbert H. Bateman, a Republican from the state's Tidewater area, would observe the bicentennial of the enactment of the Land Ordinance of May 20, 1785, an act drafted by a committee of the Continental Congress chaired by Thomas Jefferson.

"It is because of this unique, imaginative and clairvoyant Jeffersonian plan that middle America has the distinctive Checkerboard look that is so apparent to anyone who flies over that part of our Nation," according to Bateman and his colleagues' letter to Postmaster General William Bolger.

The stamp has been promoted by the American Congress on Surveying and Mapping (ACSM), a Falls Church, VA based national professional society, and the Division of

Cadastral Survey of the Bureau of Land Management (BLM), an agency of the Department of the Interior with responsibility for maintaining and resurveying the PLSS. Also endorsing the stamp is Francis I. Buck, Mayor of Jefferson's home of Charlottesville, VA; Frank L. Hereford, Jr., President, University of Virginia; U.S. Rep. Morris K. Udall (D-AZ), Chairman of the House Interior and Insular Affairs Committee; U.S. Rep. John F. Seiberling (D-OH), Chairman of the House Interior Subcommittee on Public Lands and National Parks; U.S. Rep. Doug Applegate (D-OH), whose district includes the Public Land Survey System's "point of beginning," East Liverpool, OH; then Secretary of the Interior James G. Watt; U.S. Geological Survey; National Geodetic Survey, NOAA; U.S. Forest Service; National Academy of Sciences; Public Works Historical Society; Surveyors Historical Society; American Association for State and Local History; American Historical Association; American Society of Civil Engineers and American Society of Photogrammetry.

Signing Bateman's letter are Senators John Warner and Paul Trible, and Representative Thomas J. Bliley, Jr., Frederick C. Boucher, Dan Daniel, James R. Olin, Stan Parris, J. Kenneth Robinson, Norman Sisisky, G. William Whitehurst, and Frank R. Wolf.

LIBRARIES ANNOUNCE AVAILABILITY OF FEDERAL REGISTER AND CODE OF FEDERAL REGULATIONS

In order to better serve the public, the Office of the Federal Register is publishing a list of libraries where the *Federal Register* and *Code of Federal Regulations* are available for examination free of charge. This list contains only those Government depository libraries and other libraries that specifically have chosen to be included. A complete listing of *Government Depository Libraries* is available without charge from The Library, U.S. Government Printing Office, 5236 Eisenhower Ave., Alexandria, VA 22304.

The Office of the Federal Register's list will be updated annually unless public interest requires more frequent publication. Any library

(Continued on page 17)



Scholarship Winner, Brian White, a Santa Rosa Junior College student from Occidental, goes over some plans with SRJC instructor Hal Walker and members of the local chapter of the California Land Surveyors Association. White received the \$300 E. Robert Jacobson Scholarship at an awards dinner celebrating National Surveyor's Week earlier this month. From left to right are: White, Walker, Arthur Gambini and Howard Brunner from Ray Carlson & Associates, Inc. and Richard Coughlan from Geographics.

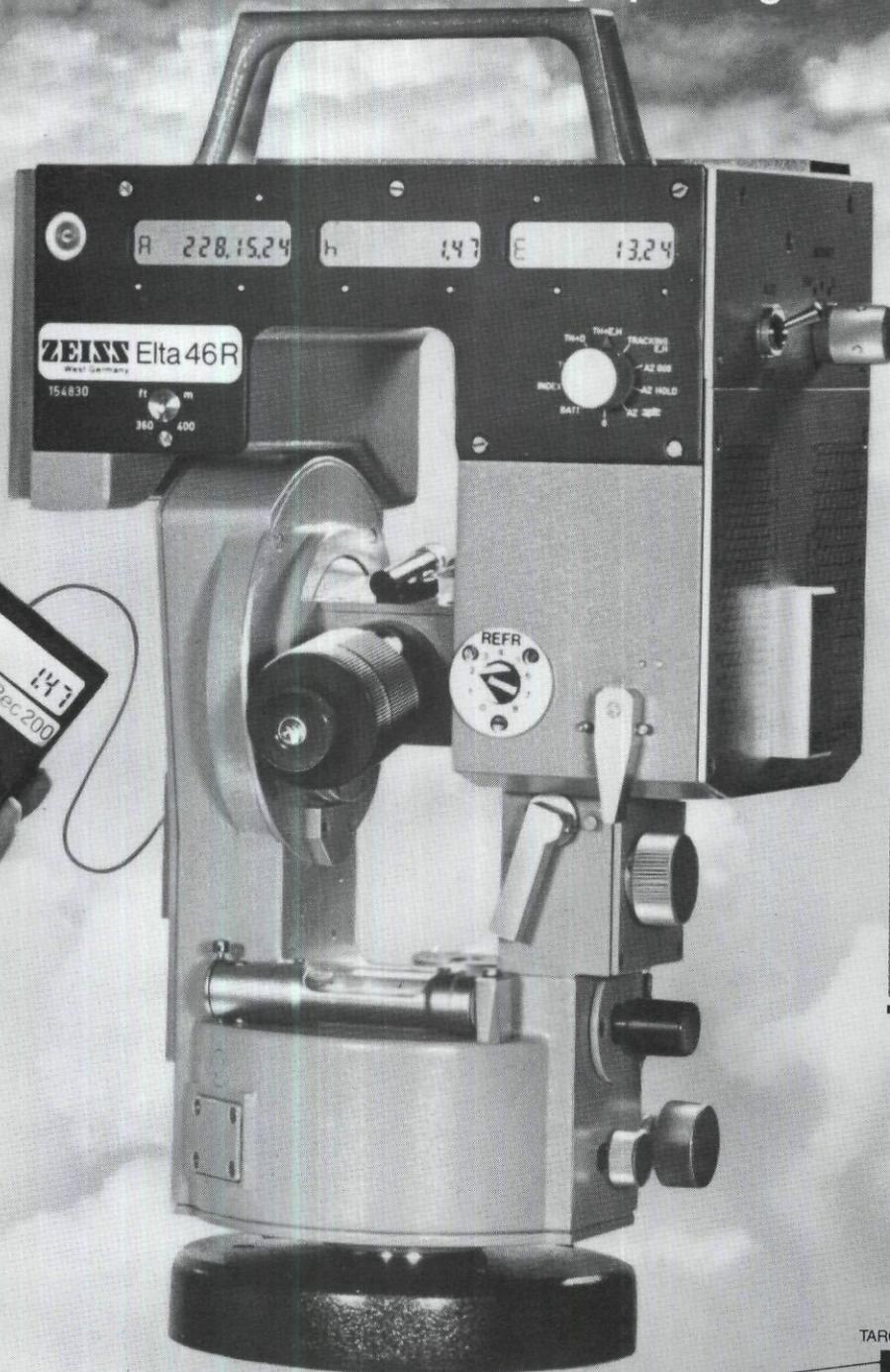
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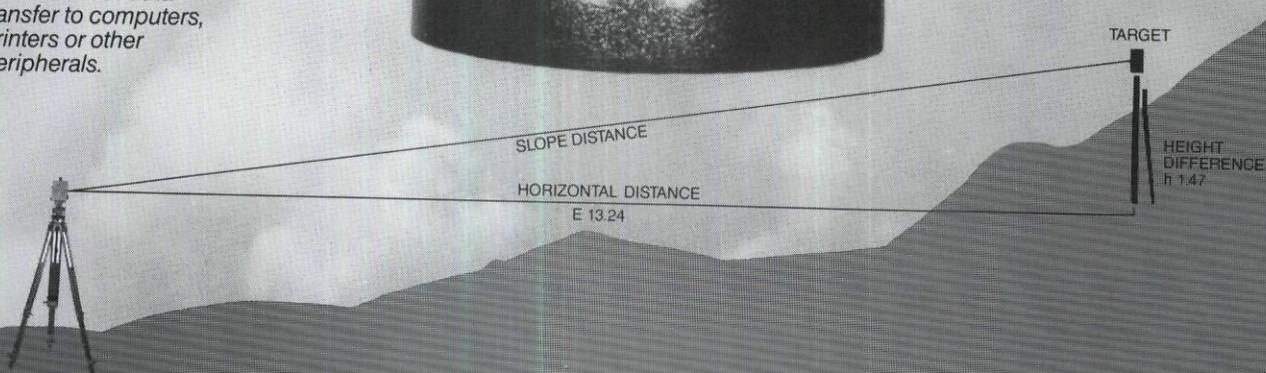
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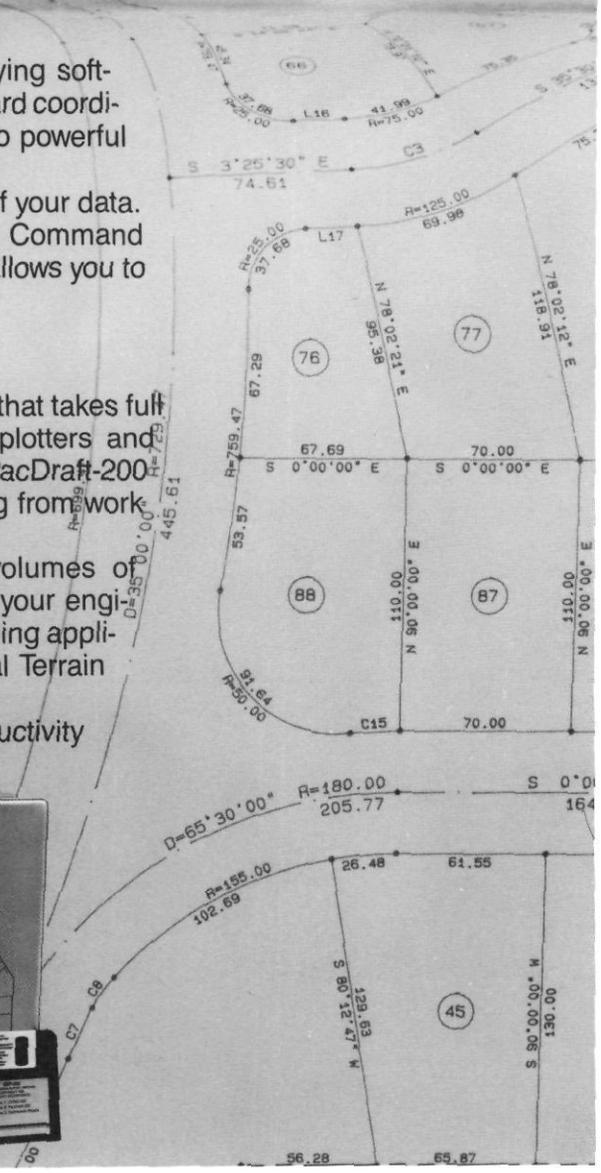
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OF INTEREST (Cont. from page 14)

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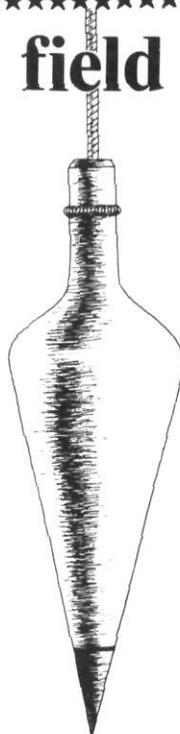
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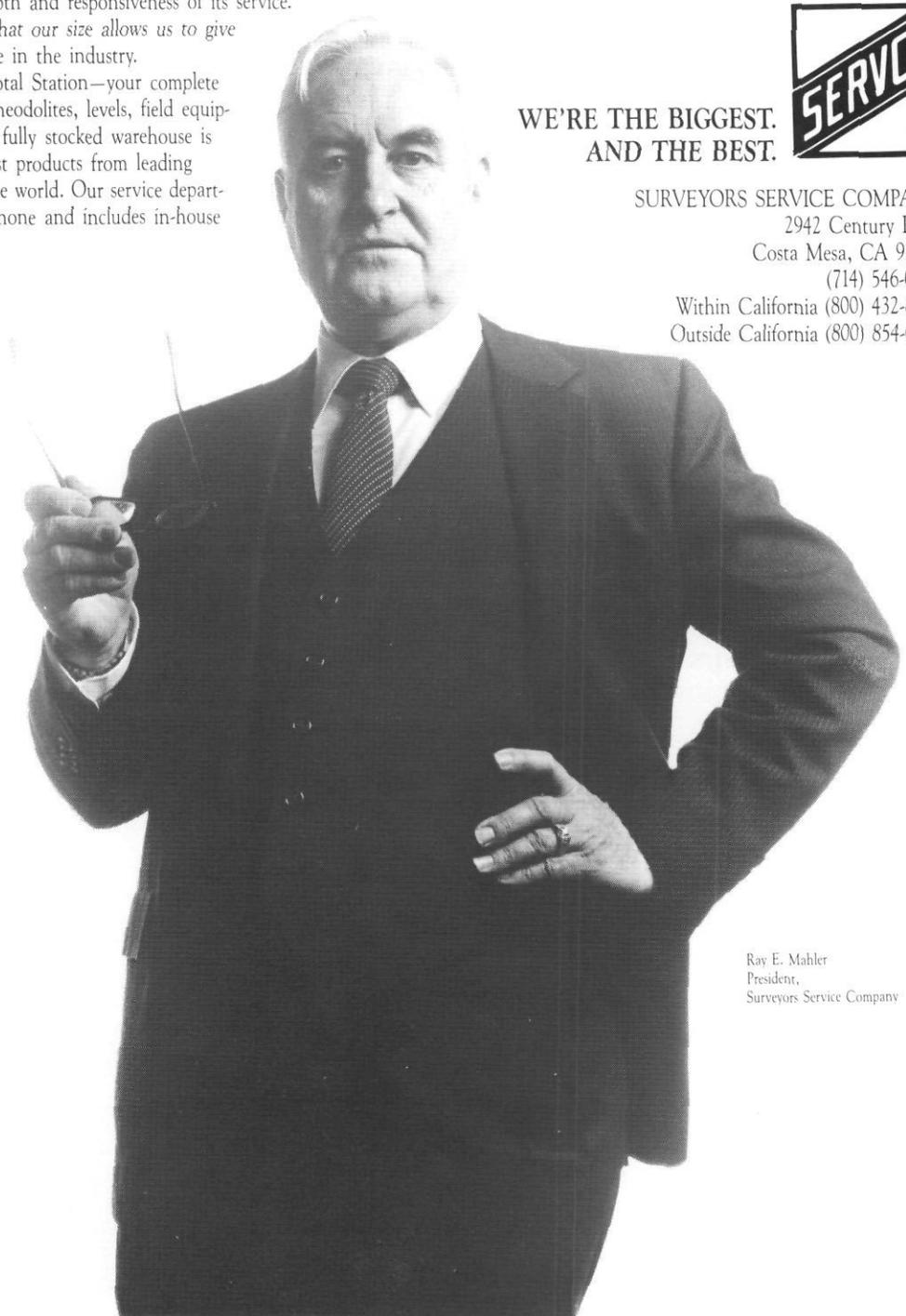
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NOTICE OF AWARDS

The National Society of Professional Surveyors (NSPS) is sponsoring four awards to be given for excellence in the surveying profession this year. The awards are:

1. Surveying Excellence Award

Chairman: M. Louis Shafer
520 Loretto Drive
Roseville, CA 95678

This award is presented to a person who has performed outstanding service to the surveying profession. It is not necessary that the person be a surveyor or member of NSPS or ACSM, but candidates must be nominated for the award by an ACSM affiliate section or two NSPS members at large. This award includes an engraved plaque and a \$500 honorarium contributed by Technical Advisors, Inc., of Wayne, Michigan.

2. Surveyor Project of the Year Award

Chairman: Ms. Kelly Olin
925 Mission Way
Sacramento, CA 95819

This award is presented to the best paper describing a surveying

project in which the candidate directed or participated. The project need not have occurred within the preceding 12 months to be eligible. This award which is sponsored by the Pentax Corp. includes an engraved plaque and a \$200 honorarium.

3. Student Project of the Year Award

Chairman: David R. Knowles
2448 Elaine
Fayetteville, AR 72701

This award is presented to the student who writes the best paper describing a survey related project in which the student was a participant. The writing of the paper must be an individual effort. Any undergraduate student enrolled in a surveying or surveying related program is eligible for this award. The award includes an engraved plaque, a \$100 honorarium contributed by Landmark Enterprises, and travel expenses to the ACSM/ASP spring meeting.

4. Excellence in Professional Journalism

Chairman: R.B. Buckner
1958 Neil Avenue
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This award is presented annually to the affiliate society whose newsletter is judged to have the highest quality during the previous year. The award is an engraved plaque and is presented to the editor of the newsletter at the awards ceremonies during the annual convention.

Questions pertaining to or requests for the guidelines of any of the four NSPS awards should be addressed to the Chairman of the award.

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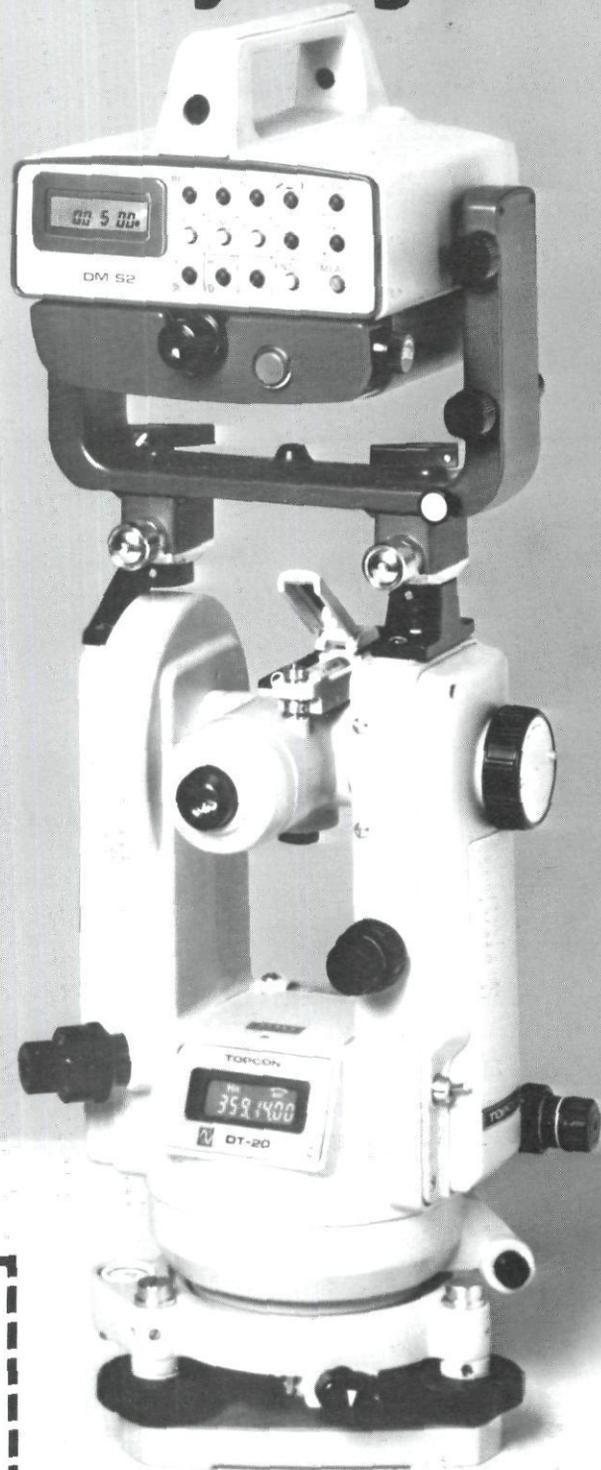
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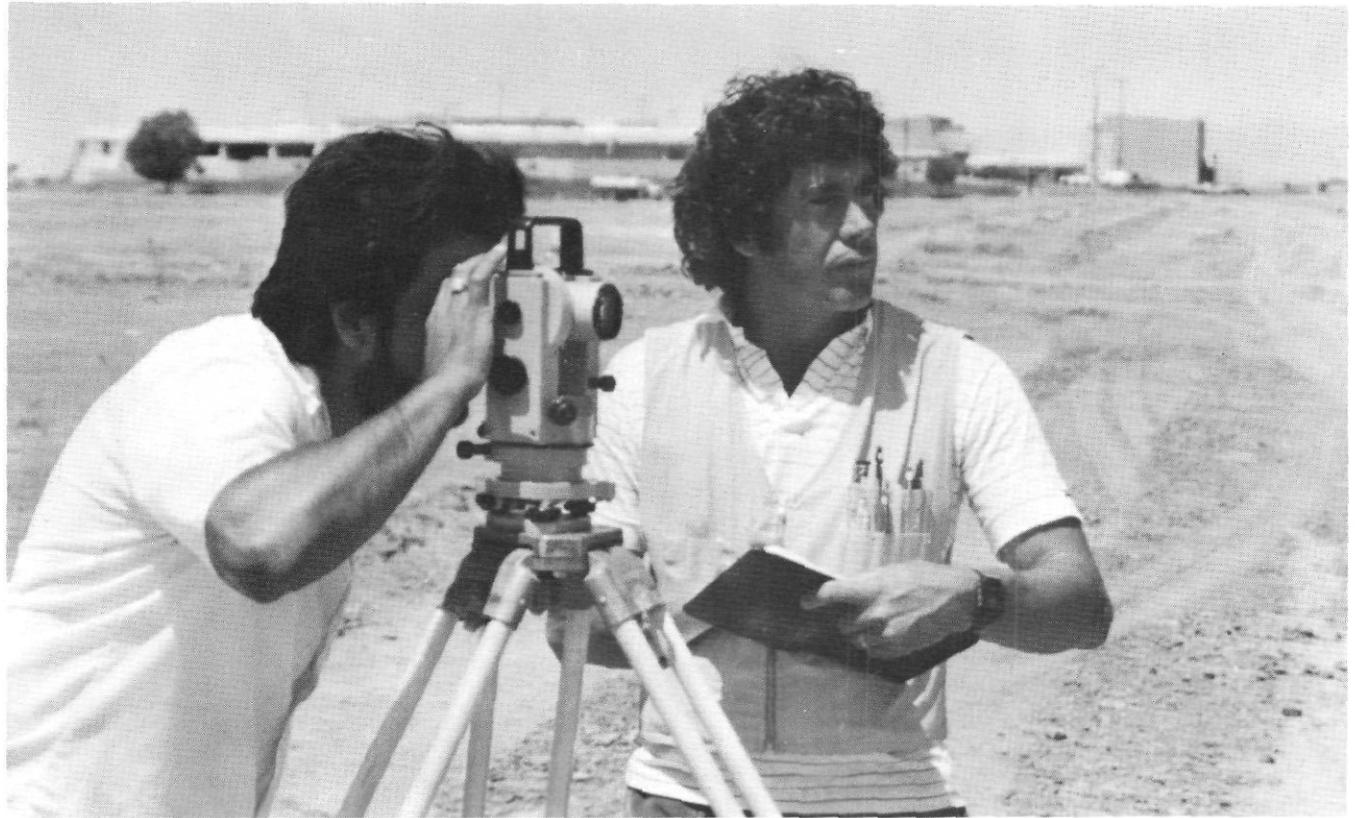
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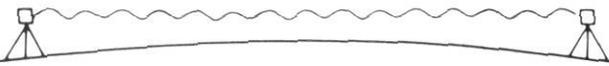

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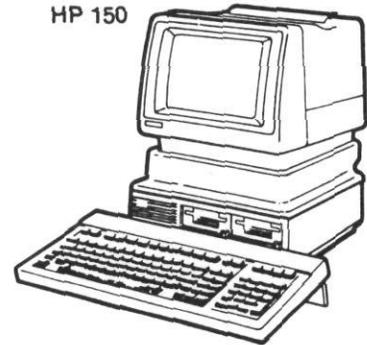
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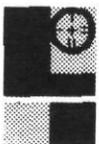
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