



Institutional Affiliate of American
Congress on Surveying and
Mapping

The California Surveyor

THE VOICE OF THE LAND SURVEYORS OF CALIFORNIA

No. 18

CONVENTION – SPECIAL EDITION

1971

FOR THE CONVENTIONIER

Eugene L. Foster, L.S.

On the road from Sacramento to Reno, Interstate 80 at Bell Street turnoff (right), near the Northeastern outskirts of Sacramento, is the Caravan Inn. Recently, the Caravan Inn has accommodated over 400 Republicans and at another time 350 Firemen. It is hoped that on May 21 and 22 it will cater to a large number of California's Land Surveyors. The convention committee wants you, the member who can attend, to learn from the Convention of much of the work and many of the accomplishments of the Association.

Ten Speakers, 13 Committee Chairmen, 4 Past Presidents and 13 Chapter Presidents from throughout California will be trying to tell you of the things the Association has been doing which you are not aware of and which, due to lack of space, you have not read of in the "California Surveyor."

Also, if you can attend, you will be afforded the opportunity to ask questions of not only the speakers but of the people active in the Society. You might even stick out your neck and volunteer to help in any one of dozens of efforts which have not even been touched yet. We are even going to furnish you with a form on which you may criticize the Convention, gripe at the Association, suggest worthwhile pursuits for the Association and yes – volunteer to work for those pursuits.

I am your Convention Chairman but I like to gripe, too. I guess I'm too impatient. Seems that the Association, instead of reviling the State and the Counties for their neglect and lack of interest in monumentation, should start right now where Public Agencies leave off. At this moment we could start planning for the Library of Land Boundary Information. Records of monuments. Record of Survey Maps. Subdivision Maps. Included in the plan should be a means of making the project self-supporting.

Continued on Back Page

FOR THE LADIES

Gene Lafferty, L.S.

While much attention has been directed towards the professional development of the surveyor hardly anyone ever considers the surveyors wife. Now surveyors wives are nearly as plentiful as surveyors themselves, but nowhere do I see in our seminars or conventions topics presented such as "Geodesy for Young Brides" or a "Matrons Guide to Construction Staking."

Here ladies I am going to rectify this oversight and bring you into the mainstream of the surveying profession.

First you must learn that there are many more people who *KNOW* all about surveying than there are who do all the surveying. For instance just the other day a client of mine who raises cattle was telling me all about how he had set his section line fence using a U.S. government bench mark. For the ladies not yet in the know a bench mark measures elevation above sea level and is not a boundary location . . . a fact not known by my cattleman friend.

Now to introduce you into surveying you should learn some of the special terms used by surveyors. I will first give you the surveying term and then what it means or how it is commonly used:

- | | |
|---------------|---|
| CHAIN | A long thin steel measuring tape marked off in feet used to pull rear chainmen down the road with. |
| REAR CHAINMAN | A usually shapless inert heavy weight attached to the end of a chain to keep it tight. |
| PLUMB BOB | A heavy weight attached to the rear chainman to keep him vertical. |
| HATCHET | A device for splitting stakes, driving splinters into your hand. Also for tenderizing your thumb. A very painful process on a cold morning. |

Continued on Back Page

C.L.S.A. CONVENTION

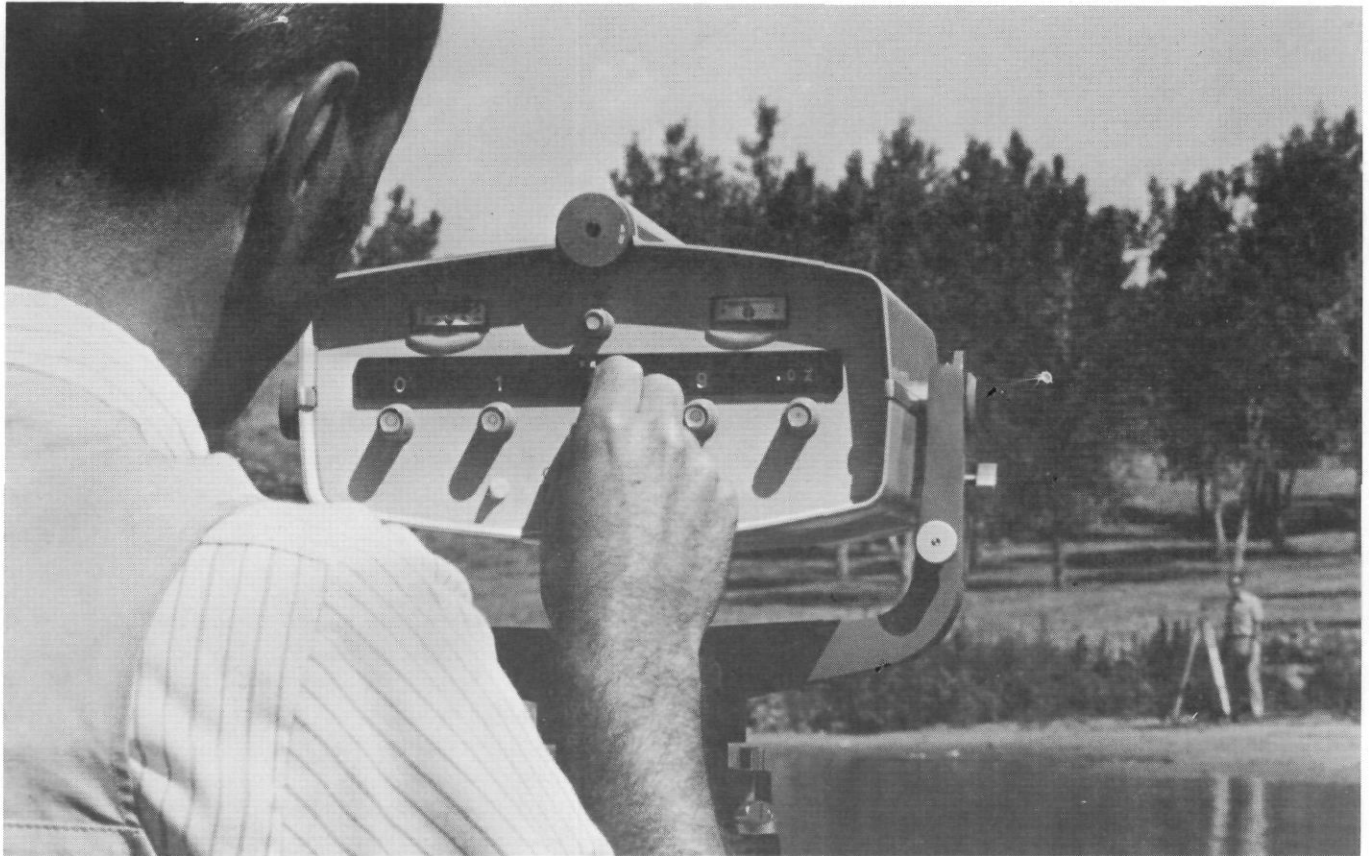
MAY 21 - 22, 1971



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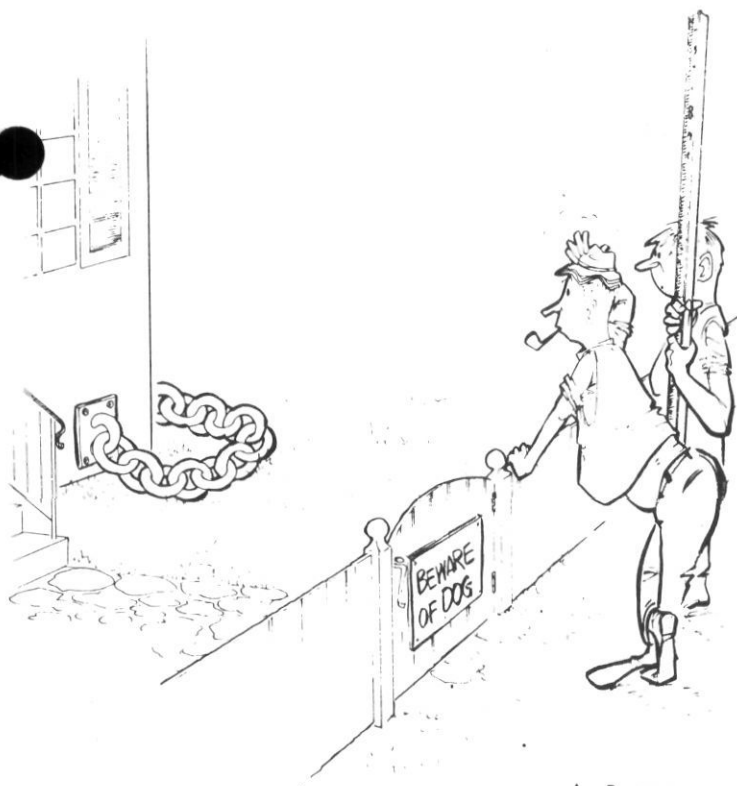
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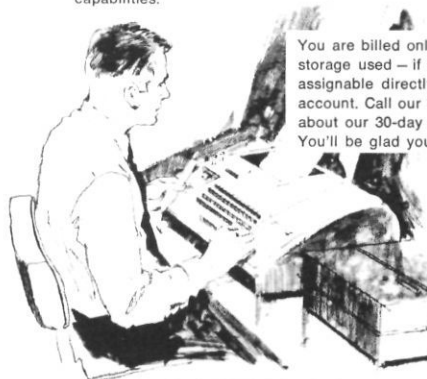


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7-11

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GENERAL CHAIRMAN

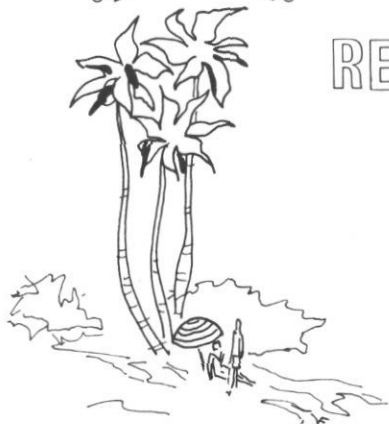
James E. Chamberlain
c/o USGS Topographic Division
345 Middlefield Road
Menlo Park, CA 94025
Phone - (415) 325-6761 Ext. 421

PROGRAM

William A. White
1107 - 9th Street
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Authors are invited to
submit titles and abstracts
of papers for consideration.

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2. Balance the traverse — without reentering data!
3. Calculate area without reentering data!
4. Inverse between balanced coordinates without reentering data!
5. Side shots from stored coordinates without reentering data!
6. Transform coordinate system without reentering data!

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• OF THE FOLLOWING:

1. Traverse
2. Inverse (point to point)
3. Law of sines
4. Law of cosines
5. Intersection of 2 lines knowing 1 bearing and other distance
6. Curve data
7. Inverse (holding initial coordinates)
8. Cross product (for area)
9. Area in sq. ft. and acres



*Greetings
and Best Wishes
for a
Successful
Convention*

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SACRAMENTO, CALIFORNIA

May 20 – 22, 1971

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LADIES ACTIVITIES

Friday – Tour of Sacramento.

THURSDAY, May 20, 1971

6:00 – 7:00 PM Registration and Complimentary Cocktails. (Governor's Suite)

FRIDAY MORNING AND AFTERNOON, MAY 21, 1971 (SOLARIUM)

9:00 AM Pledge of Allegiance to the Flag – Explorer Scouts
Welcoming Address
Special Membership Contest Award – Eugene L. Foster
President's Message and Special Award – Robert W. Curtis
"Activities of the National Council of Engineering Examiners" Robert Millard, Millard-Spink Associates, Reno
Past Pres. Richard S. Hogan – Life Membership Award
Bd. of Registration Liaison Committee – Richard J. Stephan
Interprofessional Relations Committee – Donald E. Ward
Fiscal and Administrative Committee – George P. Colson

10:45 AM 30 minute Coffee Break, Exhibits etc. Safari Room
Liaison With Government Committee – James N. Dowden
Speech by Richard J. Stephan
Constitution and By-Laws Committee – E. Robert Jacobson
Publications Committee – Richard J. Coughlan
30 minute Period – Answers to Questions from the Audience

12 NOON Luncheon – Chief's Special Swiss Steak – Scheherezade Room

2:00 PM *Past Pres. Fred M. Darby – Life Membership Award*
"Disciplinary Procedures of the Board and Other" Logan Muir, Executive Secretary of the Registration Board
Education Committee – Eugene L. Foster
Membership Committee – Lawrence J. Cloney
"Photogrammetry – Then – and Now" Charles E. Sheaffer, Sheaffer and Associates, Sacramento
Nominating Committee – William O. Gentry
Public Relations Committee – Eugene Lockton

CONVENTION

SURVEYORS ASSOCIATION

- 3:30 PM 30 minute Coffee Break, Exhibits etc. Safari Room
"Land Surveyor Education in the Junior Colleges" Dr. Herbert H. Blossom. Sacramento City College
Status Improvement Committee – Paul W. Lamoreaux, Jr.
Editor of "California Surveyor" – Edward A. Boris, Jr.
30 minute Period – Answers to Questions from the Audience
- 5:00 PM Close of Friday's Meeting
- 8:00 PM Dinner-Dance with Clyde Mitchell Orchestra

SATURDAY MORNING AND AFTERNOON, MAY 22, 1971 (SOLARIUM)

- 9:00 AM Speech by Roy H. Minnick, State Lands Division
Legislative Committee – C.A. Wooldridge, Jr.
"Retracement and Identification of Old Survey Lines" Larry Hyder, Camino, California
Past Pres. Eugene L. Foster – Life Membership Award
Bakersfield Chapter – Gene Hershberger
East Bay Chapter – Gilbert G. Barbee
Lake-Mendocino Chapter – Joseph J. Scherf
- 10:00 AM 30 minute Period, Coffee Break, Exhibits, Safari Room
"Application of Photogrammetry to Right of Way Engineering" George P. Katibah, Division of
Highways, Sacramento
Marin Chapter – Robert S. Berini
Monterey Bay Chapter – Virgil Williams
30 minute Period – Answers to Questions from the Audience
- 12 NOON Luncheon – Sugar Cured Baked Ham – Scheherezade Room
- 2:00 PM "Planning for the ASP-ACSM Fall Convention, San Francisco" James E. Chamberlin, U.S.G.S.,
Director
"Some Facts About the Program – ASP-ACSM – San Francisco" Charles E. Moore, Water Resources,
Program Committee
Mother Lode Chapter – David R. Sampson
Northern Counties Chapter – Donald G. Peterson
San Joaquin Chapter – William O. Gentry
Sacramento Chapter – R.W. "Sid" Stinchfield
Past Pres. Herbert J. Schumacher – Life Membership Award
Sonoma Chapter – Richard J. Coughlan
- 3:30 PM 30 minute Coffee Break, Exhibits, etc., Safari Room
Santa Clara-San Mateo Chapter – Lawrence J. Cloney
Southern Counties Chapter – Clyde C. Cabrinha
Tahoe Chapter – Jerry Tippin
"Next Year's Convention at Southshore, Lake Tahoe"
- 5:00 PM "Close of Saturday's Meeting and Close of Convention"



On a moonlit night it does get a little crowded.



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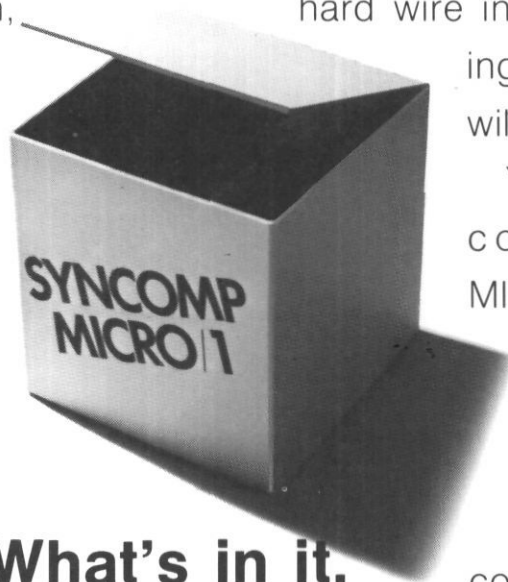
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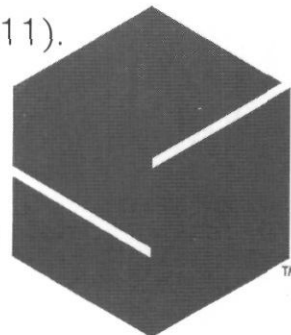
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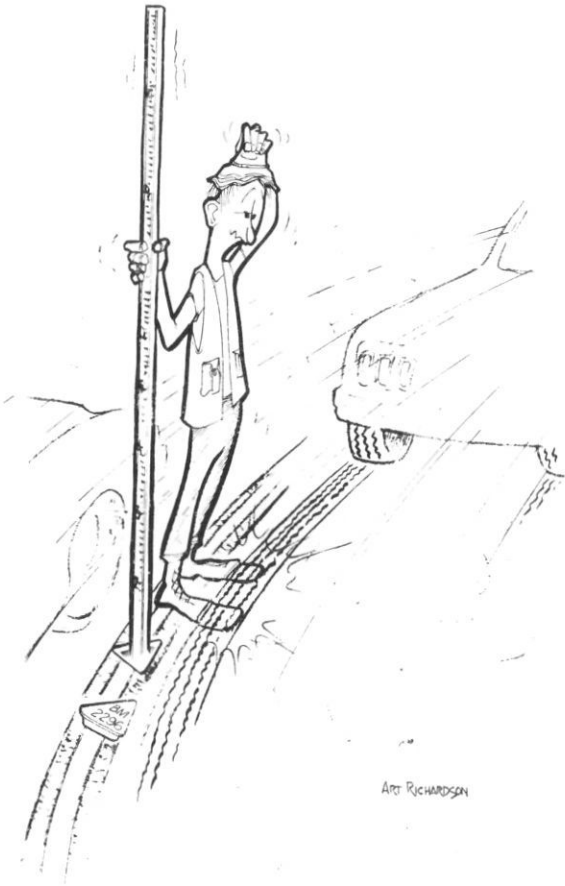
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Dues schedule: Entrance Fee 15.00 Member 25.00 Associate 10.00 Reinstatement Fee 10.00
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FIRST YEAR'S ANNUAL DUES ARE TO BE PRO-RATED FROM DATE OF APPLICATION.

FOR THE CONVENTIONIER Continued from Page 1

It would require a lot of work and cooperation from many people in our profession but I believe it would pay off in reduced costs of boundary surveys. Reduced survey costs, in turn, will make it possible for more property owners to have surveys made which were, before, economically impossible.

Another worthwhile effort would be a program designed to educate the general public of the fact that land surveying is a profession and not just something that a bunch of guys do in their spare time. Probably less than 5% of the 20 million people in California know what a land Surveyor is. The people should be told what land surveying is and what it is that these expert witnesses do. This effort has not been scratched. ▲

FOR THE LADIES Continued from Page 1

- A SIGHT How you see your husband after a night out.
- DOUBLE- What your husband sees after a night out.
- CENTERED
- A REDHEAD What made your husband see double-centered on his night out.
- TRANSIT An instrument used by the party chief to locate girls sunbathing in the nude.

Obviously I could go on forever, but I am sure with just this basic vocabulary you can quickly pick up a large part of your hubbys shop talk . . . and guess the rest.

Now that you have some idea of the terminology, you are better equipped to understand the various branches the surveyor practices in.

First there is cadastral surveying, derived from the French word "catasta" meaning scaffold or place of public burning of martyrs. This martyr process creates much burned wood and charcoal which the early surveyors disposed of by throwing it in a hole and calling it a charcoal corner.

In surveying, a triangle is not having a girl friend as well as a wife as you would suspect. Actually it is a geometric figure

which is used in triangulation which is a form of measurement in which the surveyor tries very hard to end up with only 3 sides and 180° of angle. If he ends up with too many extra sides or too many degrees of angle he usually renames it a traverse. You can plainly see that while most traverses start out to be straight lines circumstances beyond the party chief's control such as his survey crew, cause it to end up being sort of zig-zag. Sometimes this works out for the best especially if there is a tree or person standing in the way.

The professional surveyors life is not all glamorous and glitter no matter what it may seem like to you ladies. During the winter months the surveyor suffers from cold drafts when chainmen open and close the doors on his heated survey truck. In addition he will often develop concurrently a bad case of laryngitis from over-work of his vocal chords. Sometimes this will develop into pneumonia and the surveyor must stay home. This complication is especially prevalent during the World Series Playoffs.

The surveyors main irritation however is hoarded for his greatest irritant and affliction affectionately known as "summer help" or "student trainees" or sometimes by other names less delicate, but infinitely more eloquent.

Whenever the devoted irritation of the summer helpers flag, the office engineer can be counted on to spur the surveyor on to new and greater furies. This new antagonist of the surveyor is given to unreasonable criticisms of unclosed traverses and undescribed survey monuments.

The surveyors only weapon against this martinet's vicious slanders is the use of a 9H pencil for drawing up his field notes. This is comparable to writing a letter using a phonograph needle for a stylus and can be counted on to send the office engineer into apoplexy every time. This creates a soft feeling of warmth and goodwill within the surveyor throughout the day.

But these petty wars subside and summer soldiers return to school with the first crisp mornings of fall, and if only for a short time, it is eminently worthwhile once again to be a land surveyor. ▲

The California Surveyor

Published Quarterly by the

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Edward A. Boris, Jr., L.S., EDITOR

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