

Central Valley Chapter - California Land Surveyors Association  
[www.californiacentralvalleysurveyors.org/printing-press/](http://www.californiacentralvalleysurveyors.org/printing-press/)



# Central Valley Chapter THE PRISM



All Chapter meetings are  
 "To be Determined at this time."  
 Below is a list of scheduled dates:

June 23, 2021

July 28, 2021

August 25, 2021

Please see the Chapter website at  
<https://californiacentralvalleysurveyors.org/printing-press>  
 for more information.

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## Announcements

### CHAPTER NEWSLETTER GOES QUARTERLY

The Central Valley Chapter's newsletter, The Prism, will be released quarterly, instead of bi-monthly. Go to <https://californiacentralvalleysurveyors.org/printing-press/newsletter/> to subscribe or view Current and past editions.

### SURVEY EXAM SCHEDULE

FS (LSIT) - Computer based, offered year round  
 PS (NCEES LS) - Computer based, offered year round  
 CA LS - OCTOBER 26, 2021

### CLSA BOARD OF DIRECTOR'S 2021 MEETING SCHEDULE

JULY 31, 2021 (hopefully in person)  
 NOVEMBER 6, 2021 (location TBD)

If you have news or an event that you would like to announce, send it to: [editor@californiacentralvalleysurveyors.org](mailto:editor@californiacentralvalleysurveyors.org)

#### 2021 Chapter Officers

President: Will Paul  
 Vice President: Landon Blake  
 Secretary: Dani Cano  
 Treasurer: Rich James  
 Chapter Director: Tristan Higgins  
 Chapter Director: Landon Blake  
 Alt. Chapter Dir: Will Paul  
 Alt. Chapter Dir: Rich James

#### 2021 Chapter Committees

By-Laws Committee: Open (Chairman)  
 Education Committee: Open (Chairman)  
 Membership Committee: Rich Brown (Chairman)  
 Monument Pres Committee: Mike Quartaroli (Chairman)  
 Newsletter: Rich Brown (Editor)  
 Professional Practices Committee: Mike Quartaroli (Chairman)  
 Website: Landon Blake (Web Master)

#### 2021 Chapter Programs

Public Outreach Committee: Zachary Wong (Coordinator)  
 Workshops: Open (Coordinator)

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## Classes, Training, and Continuing Education

Mark Your Calendars

### CAD Masters - AutoCAD Level I (3-Day Course)

June 1-3, 2021 Walnut Creek  
 June 14-16, 2021 Sacramento  
 June 28-30, 2021 Walnut Creek  
 July 12-14, 2021 Sacramento  
 July 26-28, 2021 Walnut Creek  
 Aug 9-11, 2021 Sacramento

[Register here](#)

### CAD Masters - AutoCAD Level II (2-Day Course)

June 7-8, 2021 Walnut Creek  
 June 28-29, 2021 Sacramento  
 July 19-20, 2021 Walnut Creek  
 Aug 12-13, 2021 Sacramento

[Register here](#)

### CAD Masters - AutoCAD Level III (1-Day Course)

June 6, 2021 Walnut Creek  
 June 21, 2021 Walnut Creek  
 July 22, 2021 Sacramento  
 Aug 5, 2021 Sacramento

[Register here](#)

### CAD Masters - Civil 3D for Surveyors (2-Day Course)

Aug 9-10, 2021 Walnut Creek  
 Sept 22-23, 2021 Sacramento

[Register here](#)

### CAD Masters - Civil 3D Introduction (3-Day Course)

June 1-3, 2021, Walnut Creek  
 June 7-9, 2021, Sacramento  
 July 6-8, 2021, Sacramento  
 July 19-21, 2021, Walnut Creek  
 Aug 2-4, 2021, Sacramento  
 Aug 16-18, 2021, Walnut Creek

[Register here](#)

### CAD Masters - Civil 3D Advanced (2-Day Course)

June 1, 2021 Sacramento  
 July 12, 2021 Walnut Creek  
 Aug 23, 2021 Sacramento

[Register here](#)

### Lorman Training - Subdivision Map Act in California

On Demand, Webinar

[Register here](#)

If you have information about a training or class, please submit to: [editor@californiacentralvalleysurveyors.org](mailto:editor@californiacentralvalleysurveyors.org)

## Message from the Editor



As we celebrate the un-official beginning of summer, temperatures are rising and the roadways are becoming busier. I ask that you be prepared for your workday by discussing safety protocols before you leave the office. What are the signs and symptoms of heat illness? How can you prevent it and what do you do in the event of? Will you be working on a busy road? These are just a couple of questions you need to be asking every time you go to a job site.

Businesses are starting to open back up from the year long shutdown. People are anxious to go, go, go. This makes it very dangerous to be working along side or in the roadway. Be aware of your surrounding and traffic conditions.

Carry plenty of drinking water and have proper shade to rest in if needed. Take a rest in the shade if needed. Look after your fellow workers. Have proper traffic control if you will be working in the public roadway. Discuss what to do in case of an emergency.

Please be careful, and remember it is important to get the job done, but it is even more important to come home safe every night. Have a great summer.

Rich Brown, Editor

If you would like to comment on this topic or suggest another, please submit it to: [editor@californiacentralvalleysurveyors.org](mailto:editor@californiacentralvalleysurveyors.org)

# Monument Obituaries

By Mike Quartaroli, PLS



## CLSA CENTRAL VALLEY CHAPTER



## WHAT HAVE YOU DONE TODAY TO SAVE A MONUMENT?

Ask about the "Adopt A Monument" program. Make a lasting contribution to the Land Surveying Profession.

Paid for by the Survey Monument Conservation Committee

## State News

### GLO Record Plat: Muir Woods National Monument Bureau of Land Management/General Land Office

#### A Proclamation

*Now, Therefore, I, Theodore Roosevelt, President of United States of America, by virtue of the power and authority in me vested ... do hereby declare and proclaim that said grove and all of the land hereinbefore described... set apart as a National Monument, to be known and recognized as the Muir Woods National Monument..."*

On January 9, 1908, with just the stroke of a pen, President Theodore Roosevelt used the powers of the Antiquities Act to create Muir Woods National Monument in Marin County, California.

This proclamation and others can be found under a set of records called Control Document Index cards on the General Land Office Branch website.

The documents in Control Document Index affect or have affected the status of public lands, including those documents that control, limit, or restrict the availability of right or title to, or use of public lands. Some of these documents include:

- Executive Orders
- Presidential Proclamations
- Public Land Orders

Other documents, such as deeds that convey title to public lands to the United States, including quit claim deeds, acquired easements, condemnation judgments, and warranty deeds.

#### The Preservation of Giants

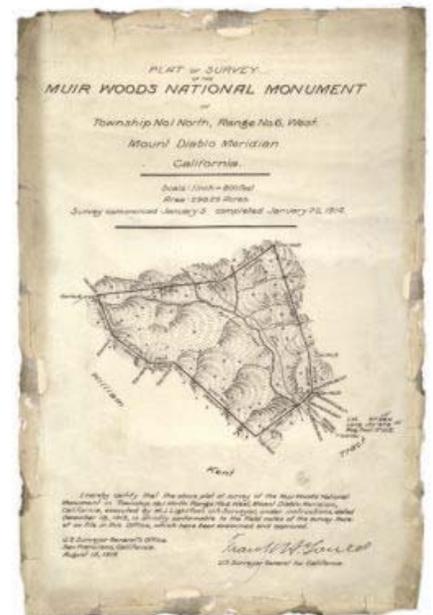
Muir Woods National Monument is located only eight miles north of San Francisco, California in Marin County and is known for its old-growth coastal redwoods, *Sequoia sempervirens*.

Coastal redwoods are the tallest trees in the world. They can reach over 300 feet high and 25 feet round. These trees can also live for over 2,000 years!

The Muir Woods preserve these magnificent giants on land that was gifted from a philanthropist and conservationist named William Kent.

In 1905, William Kent and his wife, Elizabeth Thacher Kent, bought 295 acres along Redwood Creek in Marin County for \$45,000. To protect the beautiful stands of redwoods there, the Kents donated the land to the United States Federal Government. The land was gifted through a quit claim deed.

Based on these letters, you can see that Theodore Roosevelt wanted to name the monument after William Kent, but Mr. Kent insisted the monument be named after John Muir.



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# National News

## Recovering the Past to Improve the Future By Jim Strothers, PE, PLS

The National Geodetic Survey defines the official geodetic datums for all federal mapping activities in the U.S. and its territories as part of the National Spatial Reference System (NSRS). NGS, in an effort to maintain updated records on more than 800,000 marks around the country, encourages the public to submit current recovery information on the geodetic marks.

The most likely source of these recoveries would be from the public sector who uses the information, such as the surveying profession. Over the past few years an unlikely ally has emerged to provide recovery information to NGS. This ally is America's Boating Club®. One may ask why this is an unlikely ally to NGS. America's Boating Club is just that. An organization promoting safe boating by providing educational courses to the public. The only link to using the geodetic markers would be for tidal markers used in providing tide information to boaters. However, one aspect of America's Boating Club is to provide community services. As a National organization the membership covers the entire country including Puerto Rico.

The Geodetic Mark Recovery program is part of the organization's Cooperative Charting program. This program encourages members to search for and recover geodetic markers to be filed with NGS to update the



Members of America's Boating Club recover marker STOCKAID (PID PX 0413, left) on an unnamed peak located in Beartooth Wilderness, Wyoming. The mark is at elevation 11029 feet and was last reported on in 1947 when it was monumented.

[Continued on Page 8](#)



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## Puzzle Page

### Sudoku: Solution to last editions puzzle

5	7	7	6	4	9	1	8	2
2	9	4	1	8	7	6	3	5
1	8	6	5	2	3	4	9	7
5	7	1	9	3	2	8	4	6
6	4	3	8	7	1	5	2	9
8	2	9	4	5	6	3	7	1
9	3	5	7	6	8	2	1	4
4	1	2	3	9	5	7	6	8
7	6	8	2	1	4	9	5	3



## Classifieds

### TRANSPORTATION SURVEYOR - (CALTRANS) DEPARTMENT OF TRANSPORTATION

Department of Transportation (District 10, San Joaquin County), is currently recruiting for multiple Transportation Surveyor positions (**\$5,406.00-\$10,377.00 per month**).

Some of the duties include, but are not limited to: Analyzes field survey data, prepares Survey Requests and compiles supporting information for field surveys. Produces maps and documents, including legal descriptions, acquisition deeds, appraisal maps

The incumbent works in an air-conditioned office setting with artificial lighting and/or natural lighting. Above duties require the use of a computer for extended periods of time. Duties may also require the incumbent to sit for extended periods of time to perform the duties of the position. Duties may also require the incumbent to work overtime. The incumbent may occasionally be required to work outdoors, on uneven terrain and in various weather conditions. The incumbent may also be required to travel overnight on short-term assignments throughout the Central Region or State for meetings, training or field/office job assignments.

San Joaquin County - Final filing Date: Until Filled

For further information, refer to the duty statement in the CalCareer link below.

<https://jobs.ca.gov/CalHrPublic/Jobs/JobPosting.aspx?JobControlId=248376>

### JUNIOR ENGINEERING TECHNICIAN - (CALTRANS) DEPARTMENT OF TRANSPORTATION

The Junior Engineering Technician (JET) is an entry level position to get started in the Surveying profession (**\$2,661.00-\$4,026.00 per month**). This position is planned on being available in District 10 (San Joaquin County) in the near future. Go to <https://dot.ca.gov/programs/human-resources/exams/surveyvacancies> for more information and open positions.

Know of an available job. Please submit the position information to:

[editor@californiacentralvalleysurveyors.org](mailto:editor@californiacentralvalleysurveyors.org)

## Recovering the Past to Improve the Future... *continued from page 6*



database. The National Cooperative Charting committee has established Standard Operating Procedures (SOP) for the program. These procedures provide the guidance and instructions for the members on how to participate in the program. Members are instructed on how to search the database for markers in their areas, recover the datasheets, organize the search, and record the information for processing. To control the quality of the information submitted to NGS the National Committee has also established various procedures for the members to follow.

Members are instructed to use one of various methods to find marker datasheets in their area of search. The most used method is to search on the National Geodetic Survey Data Explorer. The committee also has found other useful websites and apps for cell phones that will provide the marker history. Once this data is obtained the member organizes his field search using a form to keep notes of the recovery. An important part of the search procedure is the requirement the member obtain a photograph of the recovered mark or of the reported location if the mark is not recovered. Per the established SOP this photograph

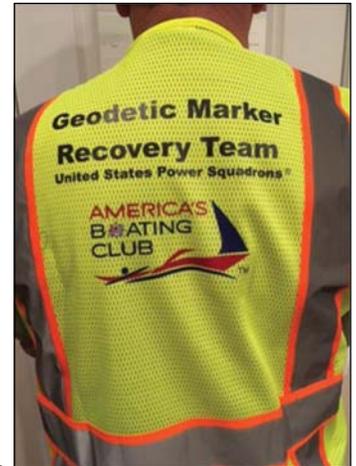
must include a time and date stamp on the date the observation was made. In addition, the photo must contain the latitude and longitude of the mark. This information may either be displayed on the photo or embedded in the photo properties. This information is used by the reviewing committee member as a check the member was at the correct location and on the date the recovery was made. Although most of the methods used to obtain this photo (photo of mark next to handheld GPS or cell phone photos) does not provide sufficient accuracy for surveyors it may provide more accurate location than that scaled from the quad sheets. It is important to note America's Boating Club does not recommend location information be revised based upon our recovery information. This information is provided to allow NGS to determine if the data sheet needs appropriate updating.



When the member has completed his recovery, the information is entered into a website form designed by the National Committee specifically for Geodetic Recovery. This site and information are for internal use by the committee to review the information on the recovery prior to submittal to

NGS. If the data is incomplete or there are questions on the recovery the form is returned to the observer for corrections. Once the data has been determined to be acceptable by the reviewing committee member the information is uploaded by the committee member to NGS. The committee member also has the option to upload the photos if deemed to be of value to NGS. After uploading the recovery information, the committee member will issue credits for the recovery base upon procedures developed for the program. These credits are based upon date of last recovery and if the mark was previously not recovered. Participating members achieve Honor Roll status based upon specific established criteria. The top individuals are also recognized for their achievements.

Since the program started in 2016 to the end of the 2019 calendar year America's Boating Club members have submitted recovery information on over 8800 Geodetic Marks. The organization takes great pride in providing this public service to assist in the maintaining and updating the National Geodetic Survey database for the future.



*Member-designed safety vest*



*APEX RM (PID EZ 6068 below) located in wall of old Apex Railroad Station now Apex Chamber of Commerce in Apex, NC. Marker was originally set in 1918.*

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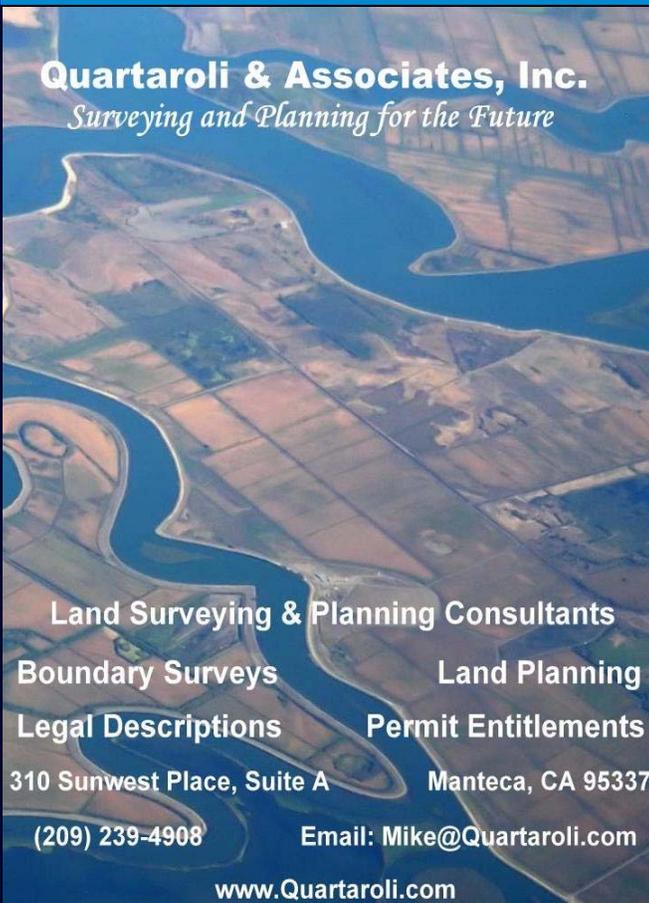
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