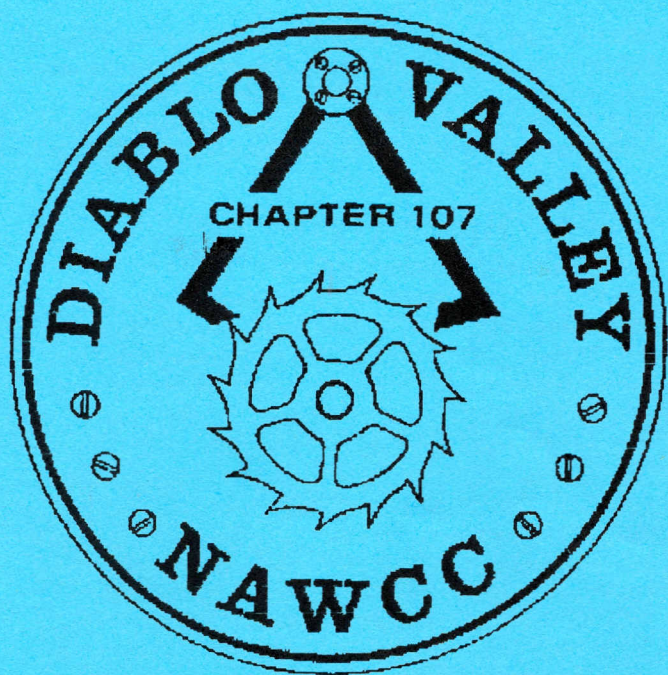


# BULLETIN



April 2014  
Volume 212



# DIABLO VALLEY

## Chapter 107

National Association of Watch and Clock Collectors

[www.community.nawcc.org/chapter107](http://www.community.nawcc.org/chapter107)

email account [chapter107nawcc@gmail.com](mailto:chapter107nawcc@gmail.com)

Chapter Established March 5, 1978

### "Accent on Education"

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### One important change

**Mart hours will be from 10:30  
with the formal meeting and program  
starting at noon.**

## Meeting Notice

April 13, 2014

### Note new Mart and Meeting times

**Grange Hall has a Sunday morning meeting scheduled every week. We need to adjust our meeting time.**

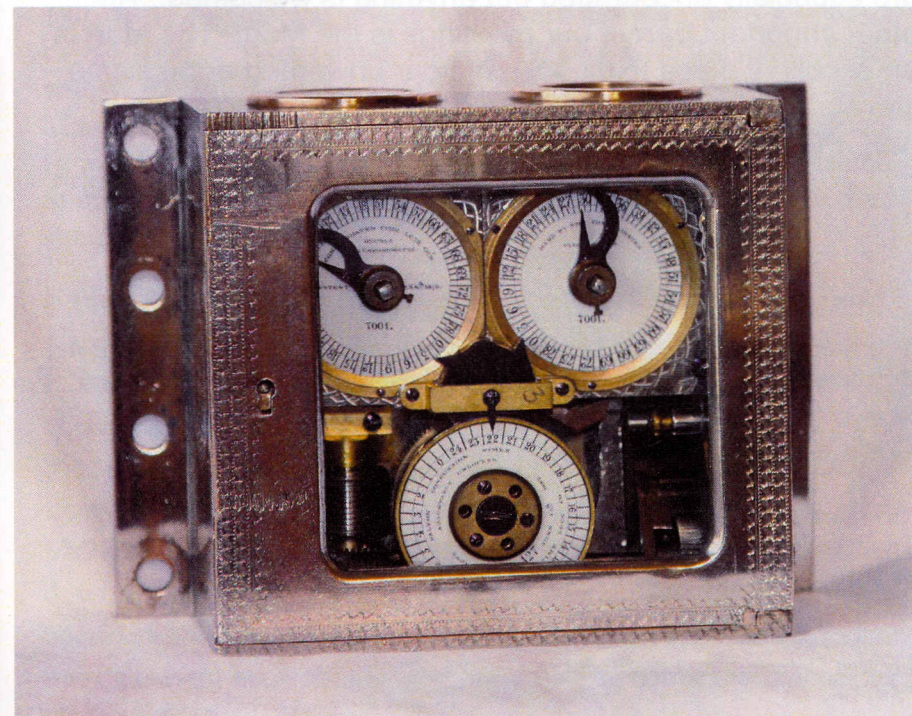
**Mart set up will open at 10:30 please do not come earlier the Meeting will start at 12:00.**

This should be the time for all future meetings. It's important that we do not interfere with the group that is meeting before us.

### Grange Hall 743 Diablo Road Danville

This months speaker is Bob Simon

Topic Bank Safe Time Locks





## *President's Message*

Thank you to all our members who have paid their annual chapter dues. If you have not yet renewed your membership please do. Members receive a number of benefits by belonging to the chapter:

The Bulletin

Ability to buy and sell at our Mart for NAWCC members or chapter members

Attendance for 2 at our annual picnic and white elephant auction

Reduced price for 2 at holiday luncheon and auction in December

Special home tours of Horological collections.

Please remember you must be a current member of the NAWCC to be a chapter member. We welcome guest to our meetings but you must be a member to take advantage of the above benefits.

I would like to encourage all members to bring items for display during our meetings. Items that relate to the program are especially encouraged but anything is welcomed. Another important part of our meetings is the Mart. The Mart is an excellent place to dispose of your unwanted or duplicate items. Your unwanted items are another member's treasure. Please bring them to our next meeting.

John

## *Editor's Note's*

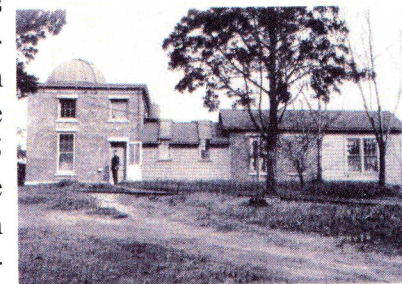
This is one Mart and meeting you do not want to miss. Our guest speaker Bob Simons will be talking about Bank Safe Time Clocks. With that in mind look on page 6 & 7 for information on **Eaton Two Movement Time Lock** that I found on the internet.

There has been some clocks donated to the Chapter that will be auctioned off. To find out more about a special auction that will be during the Mart check out page 10 and 11

Thanks again to Price for the two articles Mare Island Station and Another Look at Determining Longitude.

## **Mare Island Station**

The determination and distribution of time by the Naval Observatory in Washington and Western Union was limited to the East and South, particularly to the ports where chronometers could be checked. It was recognized that a similar service and the ability to rate navy chronometers was needed on the west coast. Accordingly Mare Island Station was opened in 1884. In 1889, the station was equipped with a 5 inch telescope (refractor) on the right, a 2.5 inch transit circle in the middle section, three Howard clocks, and on the right dedicated space to test chronometers. The clocks were described as similar and mounted on separate masonry piers. They had mercury compensated pendulums and gravity escapements. One was set up for sidereal time, one for mean-time, and the third as a transmitter. The man in the photo is T. J. J. See the director from 1903 to 1939. See was a very controversial figure, who was basically exiled to Mare Island. As was the case with the main observatory in Washington, Western Union distributed time from Mare Island to various cities. Radio broadcasts of time signals from the observatory began in 1913. In the 1920s, Mare Island Station had two Howard transmitting clocks and two Rieffler standard clocks.



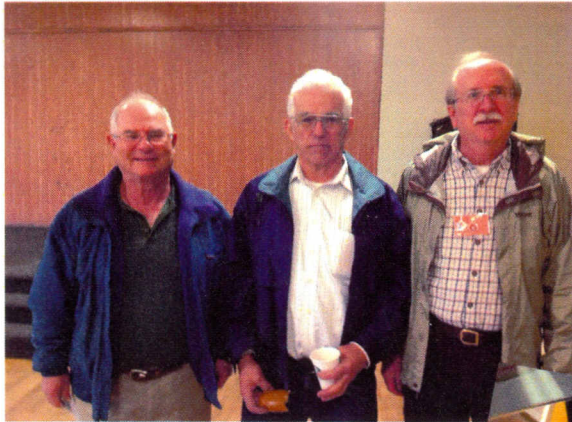
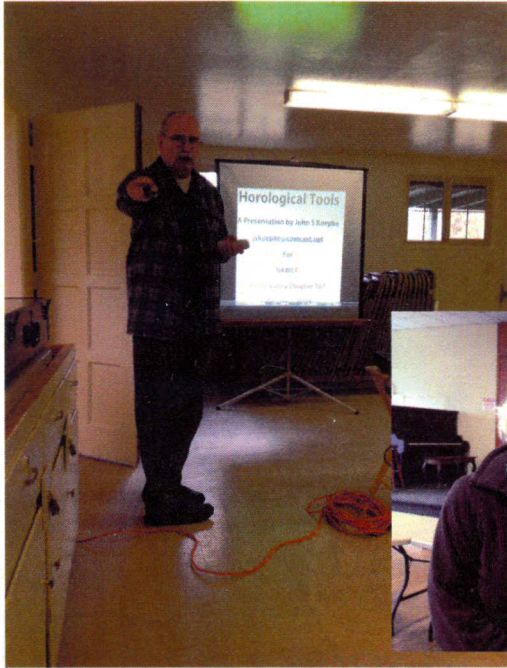
Having different time standards on opposite sides of the country was less than ideal. From 1930 to 1934, Washington signals were rebroadcast from Mare Island. This was adequate for navigational usage but not for scientific purposes. A crystal-controlled electric transmitting clock replaced the Howards in 1934. The Riefflers were initially retained for reference use. According to the Vallejo Naval and Historical Museum, the observatory was torn down in the 1930's. Based on See's retirement, this must have occurred around 1939. The original time ball is in the museum, but I have not been able to find out anything about the fate of the clocks.







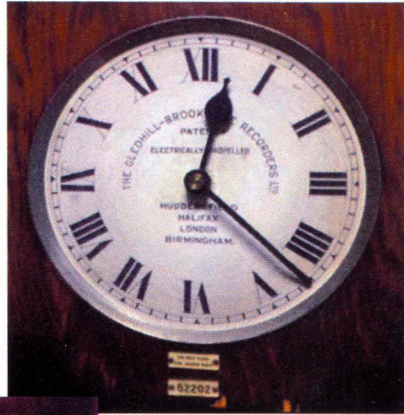
# FEBRUARY 2014 Meeting





# Gledhill Brook Electric Recorder To be auctioned At our April 13, 2014 meeting

Our chapter has received generous donation of a Gledhill Brook Electric Recorder Clock. This is slave unit designed to operate on a 3 volt pulse every 30 seconds. Proceeds of the sale all go to Diablo Valley



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Chapter 107. The bidding will start at \$100 and proceed in increments of \$10.

# More to be auctioned At our April 13, 2014 meeting









## CHAPTER #107 MEETINGS

### Second Sunday of the Even Numbered Months

Mart: 10:30AM  
 Chapter: 12:00PM  
 Board: after the Chapter Meeting

### Future Meeting Dates

August 10, 2014  
 December 14, 2014

June 08, 2014  
 October 12, 2014  
 February 08, 2015

We want to keep our members coming to the chapter meetings on a regular basis. If you have problems with transportation to and from meetings, let a director or officer know so we can help you find a carpool.

**Only NAWCC members can participate (buy or sell) in our Mart. Be prepared to show your current membership card.**

Other NAWCC Chapter Meetings in Northern California		
Chapter	Meeting Address	Meetings
De Anza #94	Odd Fellows Lodge 20589 Homestead Rd Cupertino, CA	2 <sup>nd</sup> Sunday even months (except April)
Monterey Bay #70	Live Oak Grange Hall 1900 17th Ave Santa Cruz, CA	3 <sup>rd</sup> Sunday odd months
Sacramento #71	Sacramento Garden Center 3330 McKinley Blvd. Sacramento, CA	4 <sup>th</sup> Sunday odd months
San Francisco #5	Boys and Girls Club 401 Marina Blvd. San Leandro, CA	2 <sup>nd</sup> Sunday odd months

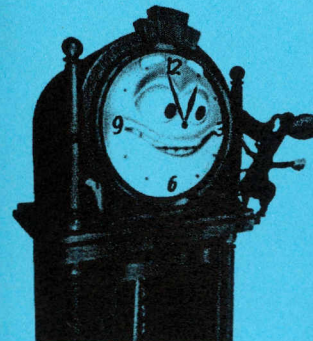
## DIRECTIONS TO CHAPTER MEETINGS

(except August and December)

### 743 Diablo Road, Danville

Take Interstate 680 to the Diablo Road exit in Danville. Go east on Diablo Road for 0.6 mile. The Grange Hall will be on your right. Parking is available in the front and rear. Enter from the front; *i.e.*, street side. Facing the building from the street, there is a ramp on the right side for handicap and cart access.

## CHAPTER LIBRARIES



**BOOK:** The Chapter book library is located at Classical Clocks and Antiques, 1082 E. Stanley Blvd., Livermore. Contact Nile Godfrey (925-449-2127) for more information.

**VIDEO:** Chapters 107 and 5 share a DVD video library. Contact Price Russ (925-937-9231) for information.

**TOOL:** Contact Walt Hubrig (925-685-0260) or Price Russ (925-937-9231) for information on the tools and parts available for use by Chapter members.

## NOTICES FOR MEMBERS

(The Bulletin accepts notices from Chapter members for all items/subjects horological - wanted, for sale, giveaway, services, and so forth. There is no charge. All you have to do is supply copy to the editor.)

**Wanted:** Articles for the *Bulletin*. Contact Tina Thomas (209) 481-3930.