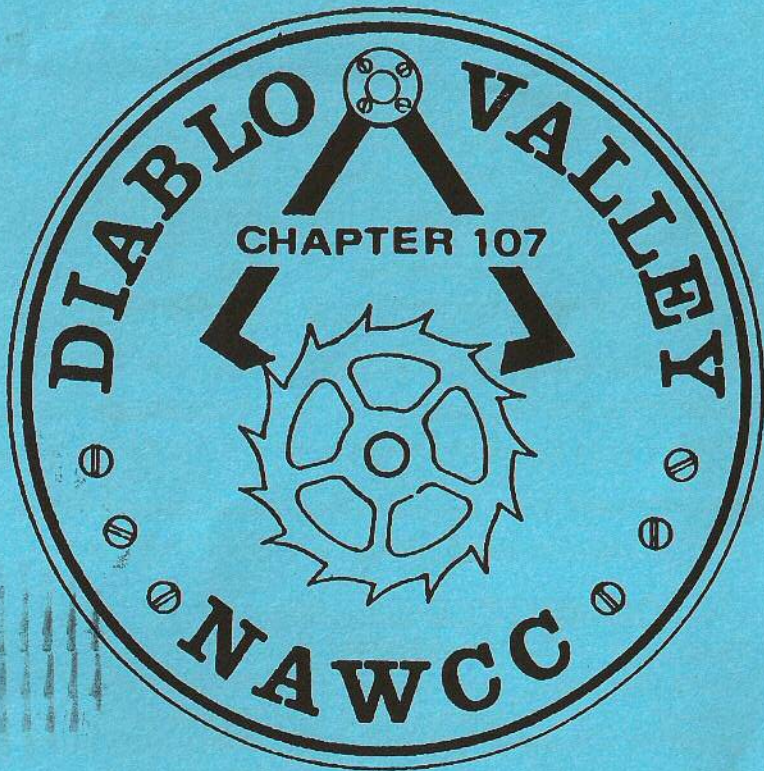


BULLETIN



April 1997
Volume 110

DIABLO VALLEY CHAPTER 107

National Association of Watch and Clock Collectors

Chapter Motto "Accent on Education"

Meetings

Chapter	Second Sunday 11:30AM	- Even numbered months
Evening	First Friday 7:00PM	- Odd numbered months
Board	Second Sunday - following the Chapter Meeting	

1997 OFFICERS

President	Jay Taylor	510-522-2409
Vice President	Dale Gardner	510-531-7565
Vice President	John Stohr	510-376-6476
Secretary	Roy Holman	510-530-5428
Treasurer	Walt Hubrig	510-685-0260
Past President	Roy Clark	510-376-6356

DIRECTORS

1997	Lois Naye	510-934-4557
1997	Tom Beales	510-376-6212
1997	Joe Kanter	510-235-4532
1997	Volney Cameron	510-222-3370
1997	Jack Coulter	510-284-1031

COMMITTEE CHAIRS

Display	****open****	
Raffle Drawing	Jack Coulter	510-284-1031
Library	Sandy Cuthill	510-686-3144
MART	****open****	
Membership	Roy Holman	510-530-5428
Nominating	John Stohr	510-376-6476
Photo	Richard Simpson	510-339-9529
Program	Dale Gardner	510-531-7565
" "	John Stohr	510-376-6476
Refreshments	Lois Naye	510-934-4557
Tool Library	Walt Hubrig	510-685-0260
Bulletin/Editor	Steve Fabes	510-831-8799

Acalanes Adult Center
(The old Del Valle High School)

***** **Note New TIMES** *****

MART Set-up 10:30AM
MART Ends Noon
Program Starts at 12:00PM
Board Meeting follows the Program

***** April 13th Program *****

Tourbillon & Karrousel Escapements

Patrick "Patch" Kessler a young member of Chapter#5 will present a self-made escapement on a modified clock and tell us of the advantages of this old style of escapement. Patch presented this program at the 1996 Golden Gate Regional and its well worth a second run for those who missed it.

*** Display ***

Any watch or clock that has an unusual escapement.



12 size, No. 170



12 size, No. 1512

President's Message

Fellow Members,

I hope this message finds everyone doing well. We should be hearing soon from the National on the recent election results. I hope everyone took advantage of their opportunity to vote for the new officers. Plans are under way for the August regional in Oakland. We are receiving early sign ups already from as far away as Texas. Informal polling at this month's Chapter 5 meeting turned up some interesting information. Many of the watch dealers had very successful shows at Oakland last year and are definitely planning on making Oakland their first choice this year given the unforeseen conflicting date with the Chicago regional.

In the recent Mart the NAWCC announced their plans to initiate more Suitcase Training classes with instructors from Columbia, PA. I would like to hear from anyone interested in a class, what subject and time frame you would like to see a class offered. If we can stimulate enough interest between the local chapters we might be able to get a class set up.

This month's Friday meeting attendance was down slightly. We have continued showing NAWCC Video programs. The month's selection featured a program by Doug Cowan (1997 Candidate for NAWCC Second VP) on Carriage Clocks and how to date them. The second program dealt with calendar clocks. If you have a specific subject you are interested in please let me or one of the directors know so we can organize the material required.

Remember we have to decide when to hold the annual picnic given the regional is in August this year. Also anyone with suggestions on the Christmas luncheon and a potential location please let me or one of the officers know.

August is not that far off and we will be needing volunteers for the regional again. Chapter 107 volunteers were a KEY FACTOR in the SUCCESS of the 1996 Regional and I would like that tradition to continue. Anyone that can volunteer any time please let me know as soon as possible.

Sincerely, Jay

*Home) 510-52-2409 Work) 415-432-3802 Fax) 415-432-2957
email) nutnut@pacbell.net or taylor@visa.com*

The February meeting of the Chapter Directors followed the General Meeting and the following topics were discussed.

1. The April Bulletin will be the last issue mailed to 1996 members who have failed to renew their Chapter membership dues of \$15.
2. Because of a schedule conflict with the August Golden Gate Regional the Chapter meeting scheduled for August 10th will be canceled.
3. In place of our December Pot Luck/Holiday meeting we may meet at a convenient restaurant with the cost of each meal partially subsidized by the Chapter.
4. We may try starting the Sunday meeting earlier to allow members to pursue other Sunday afternoon activities.
5. The Directors are looking for suggestions on the constructive use of our sizable funds on deposit.

Kindly and accurately recorded by the Chapter Secretary, Roy Holman.

The Story of John Harrison's Clocks
by Steve Fabes

I was traveling through another airport and picked up a copy of Dava Sobel's book titled *"Longitude - The true story of a lone genius who solved the greatest scientific problem of his time"*

This is a book about John Harrison who was the first to produce an accurate chronometer for naval navigation purposes. It is not a novel nor is it a book about the mechanics of his five marvelous chronometers. It is a tale of the challenges of navigation at that time, Latitude was relatively easy to determine, what dogged the sailors up until Harrison's accurate chronometers was determining the longitude. (For those who forgot, the lines of latitude go around the earth and are easily established by the height of the sun. Longitude are the lines that run down the earth from pole to pole.)

Longitude required knowing the sun's position at a point in time and at the same time knowing the time at a fixed point - today Greenwich - hence Greenwich Mean Time. It was not always so - in times past Ptolemy in 150A.D. fixed it to run through the Fortunate Islands (now called the Canary and Madeira Islands), later cartographers (map-makers) moved the Prime Meridian to the Azores, Cape Verde Islands, Rome, Copenhagen, Jerusalem, St Petersburg, Pisa, Paris and Philadelphia before settling down on Greenwich, just down the River Thames from London.

Harrison's tale is one of perseverance in the face of ugly dogma and an ability to build an initial clock and then over the next thirty-three years to build four more and to finally claim the prize of 20,000 pounds (equivalent to \$1,000,000 today).

It's a story of eighteenth century politics and of people with very different approaches. Harrison attacking the accurate time and others developing the star charts. The members of the Board of Longitude, the Royal Society and the powerful Astronomer Royal all played a wonderfully intriguing role in this saga to claim the 20,000 pound prize.

Harrison's clocks were amazingly different, the book provides tantalizingly small pictures of them and the author (who is not a clockie) does not spend much time describing the movements. The clocks referred to as "... the Harrisons.." are still at the Royal Observatory at Greenwich and are fully restored and three are kept running.

I am not a good book reviewer but I do know a good book when I read one - this is it. I enjoyed the book so very much that on my next trip through the airport I bought a second copy and I am giving it to Sandy to put in the Chapter Library. I hope one or more of you will read it and derive the pleasure that I found in following the journey of this great clockmaker as he sought to overcome the problems of accurate time keeping under extremely harsh conditions.

* * * * *

Joe Kanter on Bert Hayenga's Torsion Clock Invention

I was delighted to receive the following letter from Joe Kanter and felt it appropriate to share with the membership. Ed..

Joe writes....

How many members heard Bert Hayenga's speech re the 400 day Torsion Clock, that intriguing and mystifying but contrary and aggravating which may or may not run 'til after the gift presentation to ones very special family member or friend.

After Bert's explanation of a modified fork to put the clock in beat which allowed for easy and accurate adjustments, he distributed samples of his invention to all members present.

I applied his invention to my clock, a Kundo and the effect was electrifying.

Getting the beat was fast, easy and sure and "Eureka..." its still running.

I am now hooked on the Anniversary Clock and sincerely appreciate Bert having shared his knowledge, thanks Bert.

Signed,

....Joe...

*** Chapter #107 1997 MEETING DATES ***

SUNDAY& Board

1997
April 13th
June 8th
August 10th - Canceled
October 12th
December 14th

FRIDAY EVE

1997
May 2nd
***July 11th**
***September 12th**
November 7th

**where the first Friday conflicted with a Holiday we scheduled the second Friday*

We continue to stay at the same locations for all of our 1997 meetings. The even numbered month second Sunday meetings at Acalanes Adult Center and the odd numbered month first Friday evening meetings at the Civic Bank of Commerce just across the street next to the Safeways supermarket - so come along and join us!

1997 Western States Regionals

February 6-8 Greater LA - Pasadena
May 8-10 Pacific Northwest - Tacoma
August 7-9 Golden Gate - Oakland
November 6-8 Silver Dollar - Reno

**** Dr. Stephens and De Anza Chapter Meetings ****

Chapter #5 meets at the San Leandro Boys Club, San Leandro Blvd. at Marina Way on the second Sunday of the ODD months with the exception of May when it is the first Sunday. The MART opens at 11am.

Chapter #94 meets the first Sunday of the EVEN months, (a week before our #107 meeting) at the Cupertino Odd Fellows Hall at 20598 Homestead Road, Cupertino. Take Highway 85 exit off Highway 280, DeAnza Blvd. - Old Sunnyvale - Saratoga Road towards Sunnyvale to Homestead. MART opens at 12.30pm.

TOOL Library

The following tools are available for two week periods...
at NO COST! call Walt Hubrig @ 510-685-0260

- **** TIMETRAX #160AC Timing m/c with beat amplifier
- **** Webster Depthing Tool
- **** Webster Escape Wheel Tooth Straightener
- **** Power Punch (for end holes in mainsprings etc.)

Wanted - Roman Striker - Steve Fabes

I would like to learn more about a form of strike that was referred to me as "...a Roman strike" - It sounded very simple, uses two bells of different tone. One denoted the one or the "I" in Roman numbering, the second bell the 5 or the "V". The ten or "X" is indicated by two strikes on the "V" bell.

Hour	Roman	"I" Bell sequence	"V" Bell Sequence
1	I	1	-
2	II	1,2	-
3	III	1,2,3	-
4	IV	1	2
5	V	-	1
6	VI	2	1
7	VII	2,3	1
8	VIII	2,3,4	1
9	IX	1	2,3
10	X	-	1,2
11	XI	3	1,2
12	XII	3,4	1,2

Call, write, see me if you can tell or show me more...

Editor's Note

by Steve Fabes

To those who did and you know who you are "Thank you" for sending me in the material, if its not in this Bulletin, it sure has made the next a darn sight easier.



(ph)510-831-8799 (fax)415-278-7474 (e-mail) stevefabes@aol.com



From Oakland - Highway 24 going East

Take Pleasant Hill Road South exit
At light, turn right onto Pleasant Hill Rd
At end, turn left on Olympic
At light, turn right onto Tice Valley
Go up until first light
Go another 150 yards and just before Pedestrian X-ing - turn right into
Acalanes Adult Center, Del Valle Theater - room D-1
(address 1963 Tice Valley Boulevard)

From San Ramon - Highway 680 going North

Take South Main exit
Left on Newell
Left on Olympic
Left on Tice Valley
Go up until first light
Go another 150 yards and just before Pedestrian X-ing - turn right into
Acalanes Adult Center, Del Valle Theater - room D-1
(address 1963 Tice Valley Boulevard)

From Benicia - Highway 680 going South

At 680/24 take Highway 24 to Oakland/Lafayette
Take first exit - Pleasant Hill Road South
Go under freeway onto Pleasant Hill Rd
At end, turn left on Olympic
At light, turn right onto Tice Valley
Go up until first light
Go another 150 yards and just before Pedestrian X-ing - turn right into
Acalanes Adult Center, Del Valle Theater - room D-1
(address 1963 Tice Valley Boulevard)

Note: *Due to our tax exempt status only NAWCC members can participate (buy or sell) in our MART - be prepared to show your current NAWCC membership card*