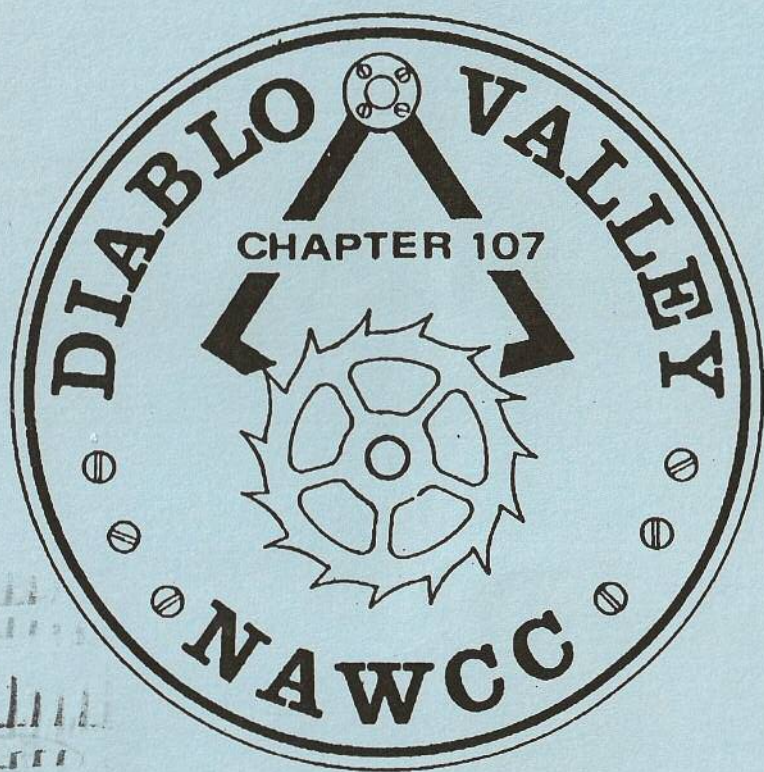


BULLETIN



April 1995
Volume 98

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 Monday	7:30PM	- Odd numbered months

1995 OFFICERS

President	Roy Clark	510-376-6356
Vice President	John Stohr	510-376-6476
Vice President	Lois Naye	510-934-4557
Secretary	Roy Holman	510-530-5428
Treasurer	Walt Hubrig	510-685-0260
Past President	Bill Koppel	510-934-9391

DIRECTORS

1995	Tom Beales	510-376-6212
1994	Russ Price	510-937-9231
1995/6	Rich Simpson	510-672-2051
1995/6	Jay Taylor	510-522-2409
1994/5	Dick Heep	510-939-4924

COMMITTEE CHAIRS

Display	****open****	
Raffle Drawing	Jack Coulter	510-284-1031 (new)
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	Lois Naye	510-934-4557
" "	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

Meeting Information

Sunday April 9th, 1995

ACALANES ADULT CENTER

(the old Del Valle High School - Room D-1)

** see directions at inside of the back cover **

MART Set-up	11:30AM
MART Starts	12:00Noon
Ends	1.00PM
Program Starts	1:00PM

***** APRIL PROGRAM *****

"Chelsea Clocks of Boston"

Bob Yeomans will discuss these very interesting and highly regarded clocks and movements.

*** DISPLAY ***

Bring in your Chelsea clock, movements, cases for us to appreciate and discuss

President's Message

Time does really fly by. At our last Sunday meeting, which was very well attended, we were able to see how time is measured very accurately and uniformly around the world. Don Couch did an excellent job in presenting information about the WWV Time Signals - thank you Don.

I mentioned that the Acalanes District would likely require us to raise the limit on our insurance policy to one million dollars. Well, they have and we have asked our agent to increase the limit as requested. Our costs will be about an additional thirty dollars per year.

We truly have an excellent club and the members make it that way. Keep up the friendly contacts and lets have more contributions to the Bulletin.

Sincerely, Roy Clark

EXECUTIVE COMMITTEE

Meeting Minutes

recorded by John Stohr, acting Chapter Secretary

March 6th, 1995 Board Meeting

Roy Clark presiding

- Present:** Roy Clark, Tom Beales, Lois Naye, Walt Hubrig, John Stohr, Rich Simpson, Dick Heep and Jay Taylor
- Budget:** The 1994 Treasurers Report was audited by John Stohr and found to be in excellent order. Checking Account balance was \$2182.83. Interest from our CDs is now being deposited directly to the checking account.
- Regional:** Reservations and deposit on the San Jose Montgomery Theater has been cancelled due to the City giving a year's lease to the Williamsburg Historical Society's Travelling Display. The Oakland Convention Center is being considered.
- Adult Education:** Much discussion on continuing the Wednesday evening adult education Clock Repair class run for several years by Royal English and recently taken over by his son Wayne English. The Spring class starting in March will be Wayne's last. A possible new instructor was unable to get the required teaching credentials due to a European administered vaccine producing uncertain test results in the US screening process. Jay Taylor noted that his father-in-law had a similar problem and was able to get his certification following a clear chest X-ray. Hopefully this will work this time and we will have a new instructor and a continuance of the Clock Repair class that is still enjoyed by many current Chapter members and has proven to be an excellent source of new members for the Chapter.
- Programs:** The April '95 meeting will feature Bob Yoemans speaking on the Chelsea Clocks of Boston.

Meeting

John Stohr reported that we now have a year's contract with the School District to use room D-1. It was necessary to increase the Chapter's liability insurance from \$500,000 to one million dollars. This increase was discussed and then approved by the Board when it was noticed that the cost per year was an additional \$30 per year.

Picnic: Discussion on having a Chapter Picnic in lieu of a Sunday meeting. Roy Clark will follow up with details of location, costs, etc.

100th Issue The August '95 Bulletin will be our one hundredth issue of the Chapter Bulletin. We are looking for ideas for something special - lists of Chapter Presidents, list of articles, Chapter history, comparison of prices, now and then, repair, purchases etc. The Board agreed to ask for ideas at the April meeting.

Membership: A number of members still have not renewed their membership for 1995. This will be the last Bulletin you will receive unless a check in the amount of \$15 is sent or passed along to

Roy Holman
4300 Everett Ave
Oakland CA
94602-1759

Please advise Roy if your spouse would like a badge, there is no additional cost for family members. Also pass along any change in address or phone number.

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*** * * FUTURE MEETING DATES * * ***

SUNDAY	FRIDAY EVE	BOARD
1995	1995	1995
Apr 9th	May 5th	May 8th
Jun 11th - Ugly	Jul 7th	Jul 10th
Aug 13th	Sep 8th	Sep 11th
Oct 8th	Nov 3rd	Nov 6th
Dec 10th - Auction		

"The Fusee"

by Phil and Sarah Russell

For many of our members the fusee device used for small clock movements and watches by the early clock makers may be strange and sound complicated and perhaps it is - somewhat....

When the new steel mainspring came on the market, it revolutionized the watch and clock industry. Clocks and their cases could now be made much smaller and could sit on tables and mantels. Early small clocks were called "table clocks". The major impact was that hanging weights for a "power source" were no longer needed. However, the heavy weights continued to be used in the tall cased clocks as was the custom.

.....But, the new steel springs had a problem. A major problem. As the spring unwound in running the clock or the watch movement, the new spring gradually lost power and the time-piece could not keep accurate time. The fusee was the answer to maintain the power from the spring.

The fusee is described as a grooved, cone shaped pulley. It is located close to the mainspring barrel. A small chain is hooked to the bottom of the fusee and to the outside of the spring barrel. The fusee is grooved so that the chain (or gut or steel wire) can wind evenly in the grooves on the fusee. The chain will also come off the fusee in an even manner as a result of these grooves on the fusee. As the mainspring barrel turns the fusee chain unwinds from the fusee grooved cone and begins to wind back onto the outside of the mainspring barrel. This coned shaped pulley winding the chain on the main barrel provides for an even, uniform source of power and makes possible an accurate time-piece.

Note: There is record of Thomas Harland, a clock maker from England bringing a fusee cutting machine with him when he sailed to America from England in 1773.

Also on p58 of the NAWCC February Bulletin there is a picture of a fusee.

"Telling Time bythe Cat!...."

by Anon

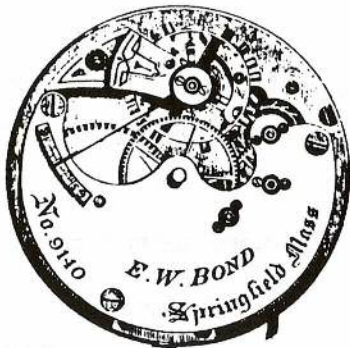
but you know that Phil and/or Sarah Russell
had something to do with this little gem.

"To tell the time by consulting the eye of a cat appears to be an absurdity, however it is practically possible. The pupil of the eye of a cat undergoes a progressive change during the day.

In the morning the pupil of the cat's eye is round but accordingly as the day advances it gradually contracts to a point at which, at noon it is only a narrow slit. From noon until evening the reverse occurs, it is oval at 3:00pm and round again at 6:00pm.

It is not a rare thing to see old men call the cat to examine its eyes and then tell approximately the time of day"

~ Horological Review, October 3rd 1917~



The Internet

by Steve Fabes

There are 40,000,000 folks on the Internet and it will soon be 500,000,000 - so what's all the fuss about.

With a cheap PC, a modem (a black box that permits your computer to "talk" on the phone lines) you can "get on" the Internet. Some access services are Prodigy, America Online, they are just like the cable companies, TCI, ViaCom etc. and they cost about the same - around \$20/month.

The Internet is still shaping up but working very well today are massive numbers of bulletin boards, Question and Answer groups discussing everything from the Northern Ireland situation, to Organic Farming, the Chicago Bulls and to my pleasant surprise Watches and Clocks.

The bulletin board that I log on to (phone into with my computer) has little MART activity and tends to be questions and answers on how to fix a clock or where to find/buy some parts or supplies.

In this Internet Bulletin Board we are having a great series of discussions (messages) arguing the merits of getting both NAWCC and AWI onto the Internet. I spoke with the AWI Office Staff at the Technical Seminar held at Jack London Square last month and they were very aware of the Internet and expected to be on-line to it this year. They even refused my offer of a modem saying they had one.

Loren Scanlon is "on-line" and I suspect so are several other members. Our Internet addresses are:-

Loren Scanlon
Steve Fabes

dlscanlon@aol.com
sfabes@ix.netcom.com

TOOL Library

The following tools are available for two week periodsat NO COST!
call Walt Hubrig @ (510) 685-0260

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

TIP OFF

by the Members, for the Members...

Leonardo da Vinci, the Master "jack-of-all-trades"
invented the fusee in 1490 - it used gut. (JF)

Cat gut is made from the intestine
walls - the gut - of sheep. (SF)

Editor's Note

by Steve Fabes

Consistency in all things. Well its not to be with this Bulletin issue and this editor. Last issue was a bumper and this issue is going to print late and without much work. I regret that my job now involves much more travel and with a new house and young children I cannot always put into the Bulletin the time or contribution that I intended.

Send me any article, news or information you want to share.
Home 510-831-8799 or mail to PO Box 23315
Work 510-675-4945 Pleasant Hill
FAX 510-675-4905 CA 94523

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