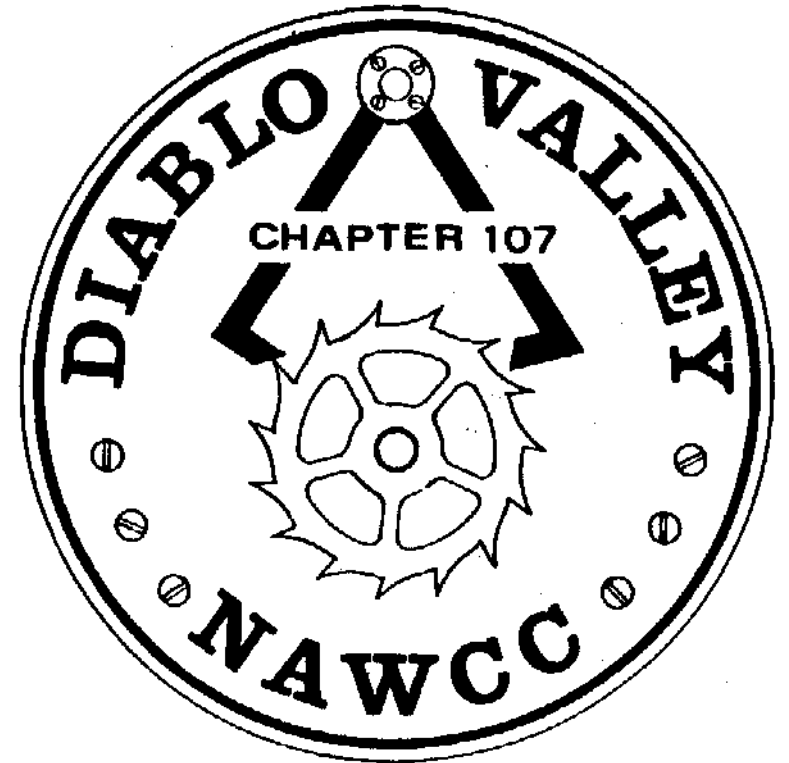


BULLETIN



August 2002
Volume 142

DIABLO VALLEY

Chapter 107

National Association of Watch and Clock Collectors

Chapter Established March 5, 1978

"Accent on Education"

OFFICERS

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Vice Pres.	Jay Taylor	510-522-2409	nutnut@pacbell.net
Secretary	Bob Wahrer	925-462-4912	jbwahrer@pacbell.net
Treasurer	Walt Hubrig	925-685-0260	
Past Pres.	Price Russ	925-937-9231	gpruss@pacbell.net

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Refreshment	Lois Naye	925-934-4557	lnaye@aol.com
Tool Library	Walt Hubrig	925-685-0260	

Meeting Notice

Annual Picnic and White Elephant Auction August 11, 2002

Lois Naye's House
(See page 15 for directions.)

**Show up about noon. Barbeque will be
ready about 1:00. Auction after lunch.**

Picnic

1. The chapter will provide the meat, buns, soft-drinks, plates, cups, utensils, and so forth.
2. Please bring one of the following based on the first letter of your surname:

A-D Chips/dips/cut fruit

E-M Dessert

N-Z Salad or veggies

3. Bring a folding chair if you can.

White Elephant Auction

Once a year opportunity to clean out your excess.
Once a year chance to find treasure.
All funds go to support the chapter.
Bring out the goodies you used to think you could
not live without.

President's Message



Our June 9th meeting was at least different. I forgot to notify the school and remind them that we would be there on the 9th. Consequently our room was locked. However, one of the high school Grad Night decoration groups working there, allowed us to borrow a couple of tables, and we had a great outdoor meeting. Our October meeting will be at the school, a room is reserved, I just have to remember to remind them that we will be there.

Our August 11th meeting is the annual picnic at Lois Naye's house in Walnut Creek. If you haven't been there before, her backyard is wonderful, it even has misters if the weather is hot. Come join us, you'll like it.

Bob Yeomans from Campbell (near San Jose) has agreed to do a presentation at the October meeting on a subject to be agreed upon. Bob is a retired "model machinist", has taught clock repair classes in the Santa Clara area. and is presently a NAWCC traveling suitcase instructor. Give some thought to what you might like and tell me at the picnic. In the past Bob has taken a Grandfather movement apart and reassembled it as a presentation, talked about Chelsea clocks, and did a lathe demo for Chapter 107. Give some thought to a program and tell me at the picnic.

The first Friday in September is congested with Labor Day, back to school, etc. so let's plan for the first Friday in November at my house. Again give some thought to the type of video you would like to see. I have not yet found a replacement location.

There will not be a Golden Gate Regional in the Fall of 2002. Reno/Sacramento Chapters are planning a June 2003 Regional in Reno, while Chapters 5 and 94 are talking about a Golden Gate

regional in November 2003. As of yet, no committee has been formed.

Chapter election time is coming up in December at our annual Christmas party We need a slate of Officers to keep the Chapter alive. Step forward and volunteer.

See you at Lois's in August.

John Stahr



Editor's Section

I want to start by seconding John's plea to volunteer for chapter office. Participation is vital to the chapter's survival.

It was suggested that I include the names of the people pictured in the Bulletin. This is a great suggestion. I am happy to do it. Please don't be bashful about telling me what you want to see in your bulletin. By the way, I try to vary who is pictured on the centerfold. If you have been overlooked, I apologize. It is not on purpose.

I want to thank Dale Gardner for contributing an article for this issue. We need contributions from the members to make this an interesting and informative publication. It really isn't hard to do and from my articles you know it does not take much expertise. Many of you know much more than I. Let's put that knowledge to work.

Generally I try to select graphics and "Wait don't tell me" questions that build on the theme of the upcoming meeting. When we don't have a speaker, I have to go somewhat afield.

Price Russ

VISITORS FROM DOWN UNDER

On June 30, 2002, 24 Australian clock collectors were welcomed by Fred and Penny Bausch at their clock shop, *Clocksmith*, in San Carlos. This was one of the many stops on their tour of the West Coast, which ended at the National Convention in Anaheim.

The visitors had never seen a working American clock shop and were interested in every phase of clock repairing. Fred and Penny explained how they set up a separate station for each repair function. Each work station is completely equipped with every tool needed for that function. This is truly a clock repair person's dream. The products used to restore and/or re-finish clock cases were of special interest. The visitor's took many notes and photos of the various strippers, paints, and stains. They do not have these products in Australia and hope they can be ordered.

One visitor commented that there is nothing in Australia comparable to the Bausches' shop, and that he hoped to be able to set up a similar shop when he returned home.

Penny served a great brunch. In all, everyone had a great time.



Sophia Gardner

Doug Minty, former NAWCC Director, presenting Fred and Penny a "Thank You" gift.

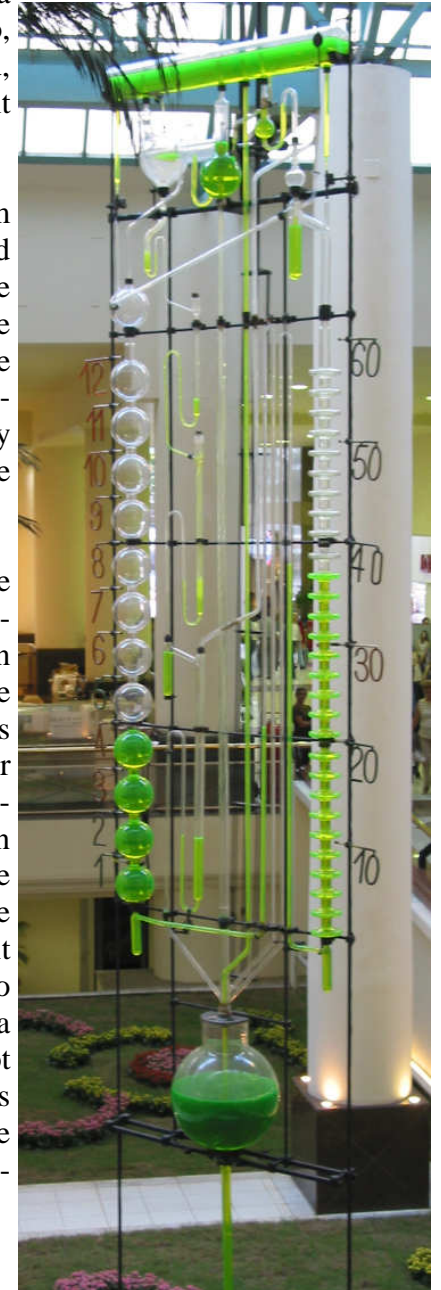
NOT YOUR FATHER'S CLEPSYDRA

The clock at the right is in a shopping center in Sao Paulo, Brazil. While water powered, it is pendulum regulated, so it is not a clepsydra.

The water, dyed green, from the reservoir at the top is used to impulse the pendulum. The pendulum which can not be seen in this picture, is a simple metal rod. It appears the impulse is much like a gravity escapement except that the falling weight is water.

The display is "jump" minute and hour. The minutes are displayed by filled reservoirs on the right and the hours on the left. Each minute water is transferred into another disk or ball. Hourly the right side syphons and fills an hour ball on the left. The plumbing is quite complicated. I did not have enough time to watch it through a complete cycle, so this explanation is partially a guess. One thing I have not figured out is how water gets to the top from the flask at the bottom. It must have some additional power source. Ideas?

Price Russ



June 2002 Meeting

Photos by Sophia Gardner.



Walt Hubrig

Jay Taylor

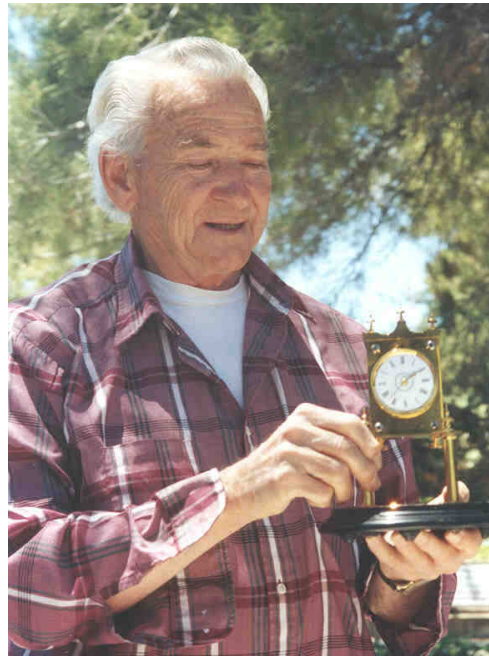


Jack Colter

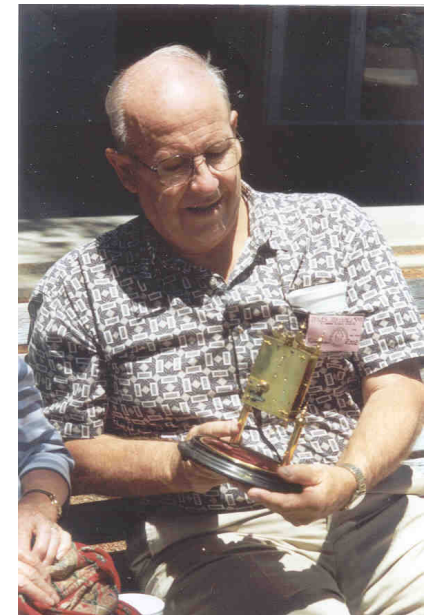
Bill Koppel



Bert Bradley



Bert Hayenga - Speaker



Miles Maynard

Wait. Don't

Answers to last issue's questions

Last month's questions mostly related to torsion clocks. The photograph was of Johann Anton Harder, inventor of the 400-day clock as we know it today. Harder was born in 1811 in St. Petersburg, Russia and died in 1888 in Germany. Harder's US patent was issued in 1882 (#269052). The first patent for a torsion clock was issued to A. D. Crane in 1841 (#1973). The drawings were from Crane's patent application. The clock shown was one based on Crane's original patent. I do not know if it was built by Crane or whether it is an 8, 30, or 400 day model. The pictures and information on torsion clocks came from Terwilliger's well-know book "400-Day Clock Repair Guide". (The US Patent Office database is located at <http://www.uspto.gov/patft/index.html>. It can be used to view all US patents.)

Finally, the house is the home of the American Clock and Watch Museum in Bristol, CT (www.clockmuseum.org). More specifically, it is the 1801 Miles Lewis House. I believe Lewis was the original owner of this colonial house. As far as I know he had no links to horology.

Why are these fellows smiling?



They are a cook and a buyer at the last picnic and auction. (From his smile, Ron must have thought he got a good deal on something in the box.)

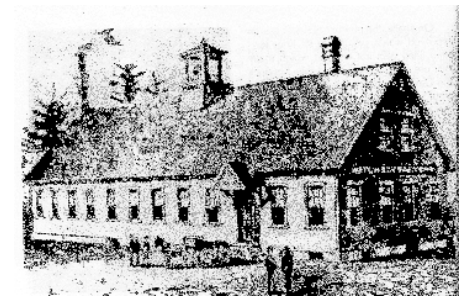


Tell Me!

New Questions



Who is this and what did he invent?



What is the significance of this building? The sign on the end says "Watch Key Factory".



What is the significance of this Hamilton 2974B? How does it relate to an article in this issue?

WATCH RECOVERED AFTER 136 YEARS IN OCEAN

Readers of the National Geographic (July 2002) will be familiar with the story of the submarine Hunley. In 1864 she became the first submarine to sink another vessel. For unknown reasons she also sank on the way back to port in Charleston, SC. All hands were lost.

The wreck was located in 1995 and raised in 2000. The remains of the crew and their possessions were still inside. Those possessions included the watch that belonged to the submarine's commander, Lt. George Dixon. It and other artifacts were found by x-rays taken through the mud in the submarine. Those artifacts included a \$20 gold piece that deflected a bullet thereby saving Dixon at the battle of Shiloh, but that is another story.

On June 8th of this year, the watch was removed from the mud. In the photo, it is being handled under water. It is assumed to have been used by Dixon to track the tides and for dead reckoning. The most recent information I have is that the watch has not been opened or even



Photo from USA Today June 10, 2002

turned over. There is some hope that it may contain a picture inside the cover or provide an indication of when the Hunley sank. It may even contain a trapped air sample that would be of interest to climatologists. I for one will be interested in following the story.

Price Russ

NEXT FRIDAY-MEETING PROGRAM

No meeting in September.

NOTICES

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: Copy for future Bulletins

Mart Items - Bring something. Buy something.

Free: Rust Remover - contact Price Russ.



TOOL LIBRARY

The following tools are available for loan.....at NO COST!

Contact **Walt Hubrig** (925-685-0260) for:

L&R Ultrasonic Cleaner w/basket 11 3/4" x 9 3/4" x 6"
TIMETRAX #160AC Timing machine with beat amplifier
Webster Depthing Tool
Webster Escape Wheel Tooth Straightener
Power Punch (for end holes in mainsprings etc.)

Contact **Price Russ** (925-937-9231) for:

Unimat Lathe
Electronic watch testers
WW Lathe drawbar tap and die
Seitz Tool
Demagnetizer
Watch Cleaning Machine
Miscellaneous watch tools and parts



Time is the only thing that manages to stay on schedule.

CHAPTER #107 MEETINGS*

*Days and Times***

Mart	Second Sunday	11:30AM	Even numbered months
Chapter	Second Sunday	12:30PM	Even numbered months
Board	Second Sunday	after the Chapter Meeting	
Evening	First Friday	7:30PM	Odd numbered months

This Year's Meeting Dates

FRIDAY

July - None
 September 6th - None
 November 1st

SUNDAY & Board

August 11th
 October 13th
 December 8th

*If you are having problems or issues with transportation to and from meetings, let a director or officer know so we can help find a carpool. We want to keep our members coming to the chapter meetings on a regular basis.
 **Dates may vary due to conflicts.

Due to our tax exempt status, only NAWCC members can participate (buy or sell) in our Mart - be prepared to show a current NAWCC membership card.

Other NAWCC Chapter Meetings in Northern California		
Chapter	Meeting Address	Meetings
De Anza #94	Odd Fellows Lodge 20589 Homestead Rd Cupertino, CA	1st Sunday even months (except April)
Monterey Bay #70	Live Oak Grange Hall 1900 17th Ave Santa Cruz, CA	3rd Sunday odd months
Sacramento #71	Sacramento Garden Center 3330 McKinley Blvd. Sacramento, CA	4th Sunday odd months
San Francisco #5	401 Marina Blvd. San Leandro, CA	2nd Sunday odd months (except May)

DIRECTIONS TO THE PICNIC AT LOIS'S HOUSE
20 Arlene Lane, Walnut Creek

You need to get to South Main near the Kaiser Hospital in Walnut Creek. From either direction on 680 take the Walnut Creek/South Main exit. When using the south 680 off ramp turn left onto South Main at the stoplight (for the north off ramp continue straight ahead). Then turn left onto Lilac at the second stoplight (Hickory Pit Restaurant). If you are coming south on So. Main turn right at the Lilac Drive stoplight (Hickory Pit Restaurant). It is one block past the So. Main/Newell intersection (landmark Kaiser Hospital). Continue on Lilac going under the 680 freeway. Turn left at the second Arlene Drive (Arlene Drive is a loop). Turn right on Arlene Lane. Lois's is the third house on the right - **20 Arlene Lane (934-4557)**. (The 680/24 interchange has been altered, but this old map will still get you there.)

