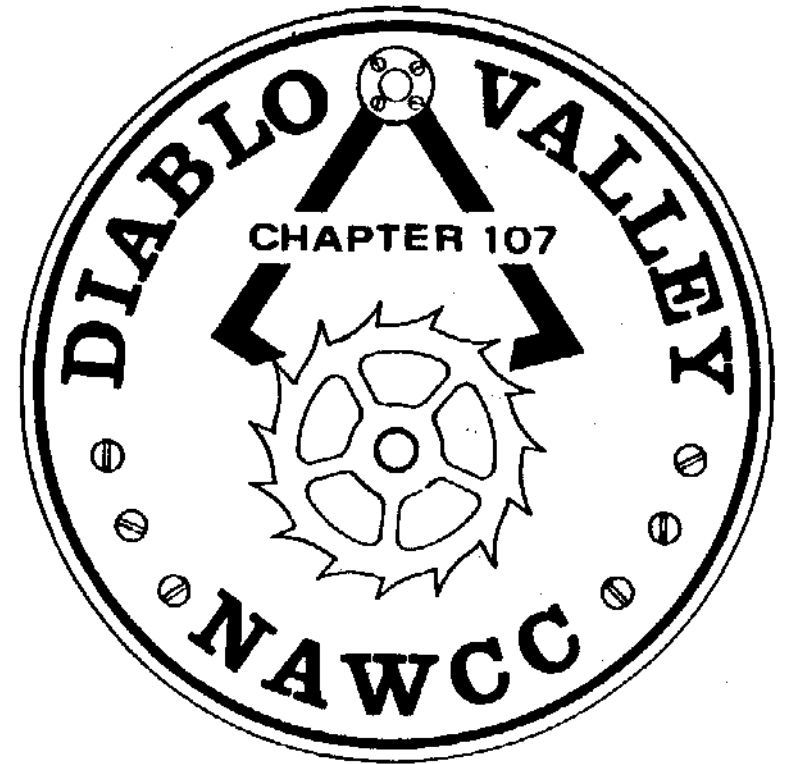


BULLETIN



February 2011
Volume 193

DIABLO VALLEY

Chapter 107

National Association of Watch and Clock Collectors

Chapter Established March 5, 1978

"Accent on Education"

OFFICERS

| | | | |
|------------|----------------|--------------|------------------------|
| President | Chip Kumparak | 408-499-4538 | chips@garlic.com |
| Vice Pres. | Mike Kookan | 925-933-1257 | mgkookan@yahoo.com |
| Vice Pres. | Clarence Kobel | 925-447-3383 | |
| Secretary | Ross Smith | 925-820-2180 | mainuse@msn.com |
| Treasurer | Walt Hubrig | 925-685-0260 | dottiewalt@astound.net |
| Past Pres. | Chip Kumparak | 408-499-4538 | chips@garlic.com |

DIRECTORS

| | | | |
|-----------|----------------|--------------|----------------------|
| 2011 | Jack Coulter | 925-284-1031 | |
| 2011 | Dean Thomas | 925-455-0929 | dno337@att.net |
| 2011 | Bob Wahrer | 925-462-4912 | bob_wahrer@yahoo.com |
| 2011-2012 | Roy Holman | 510-530-5428 | royholman@gmail.com |
| 2011-2012 | Celeste Graham | 925-676-7525 | cqgraham@yahoo.com |

COMMITTEE CHAIRS

| | | | |
|--------------|----------------|--------------|------------------------|
| Display | ****open**** | | |
| Editor | Price Russ | 925-937-9231 | gpruss@pacbell.net |
| Library | Nile Godfrey | 925-449-2127 | jng3@aol.com |
| Mart | ****open**** | | |
| Membership | Earl Watrous | 510-569-4175 | efwatrous@yahoo.com |
| Nominating | ****open**** | | |
| Photo | Sophia Gardner | 510-531-7565 | |
| Program | Mike Kookan | 925-933-1257 | mgkookan@yahoo.com |
| Program | Clarence Kobel | 925-447-3383 | |
| Refreshment | ****open**** | | |
| Tool Library | Walt Hubrig | 925-685-0260 | dottiewalt@astound.net |

Meeting Notice

February 13, 2011
Mart 11:30 Meeting 12:30

Grange Hall
743 Diablo Road
Danville

CSI*: Walnut Creek
by
Lois Naye and Price Russ

***Clock Story Investigation**



MEMBERSHIP RENEWAL REMINDER

Chapter dues are **\$25.00** (spouse included). If you have not renewed, mail your check payable to "Diablo Valley Chapter 107" to Earl Watrous, 4507 St. Andrews Rd., Oakland, CA 94605. If you include a self-addressed, stamped envelope, your badge will be mailed to you.



President's Message

Greetings fellow Chapter 107 members,

I hope that everyone enjoyed the Annual Meeting and Christmas Party. I also hope folks enjoyed the slight variation in the menu, it appears so, as we ate well (or at least I certainly did!), and we had another good venue for our productive election. I would like to thank with sincerity the officers who volunteered to be re-nominated, elected and serve another term. I'd also wish to thank Clarence Kobel for returning to the Board as a VP, and welcome with special thanks Celeste Graham who allowed us to slip her into one of the director positions. As for myself, I have learned a bit about my position, and have realized a few things that could have been done a bit better. I ask for your continued support while I strive to do a better job for the sake of the Chapter. I am always willing to listen to suggestions or constructive criticism, so drop me a line!

I believe our Christmas Auction had a fine result with most items selling; yet again the higher valued and priced items were hard to move this year, just as last. Overall, I believe the party was a success and thank all who attended. If anyone has suggestions for next year's festivities, please drop me an email or letter.

I would like to take a few lines and thank the speakers who gave demonstrations at the 2010 meetings. They provided a variety of insightful and informative horological tidbits from lessons and tricks of the trade to entertaining discussions about their time pieces and tools.

As Always....Here's to a year of good growth in Chapter membership, great lessons for our horological skills and knowledge base, and highly utilized and attended Marts and meetings.

Chip

Editor's Page

As we enter a new year, I would like to join Chip in thanking all our members for their efforts on behalf of the Chapter - speakers, *Bulletin* contributors, officers, board members, auction participants, cooks, and so forth. More specifically I thank Walt, Chip, Earl, and Bob for their contributions to this issue. The old Valentine cards that Chip found are charming. This is the type of contribution that makes for an interesting *Bulletin*.

I hope you will enjoy the presentation that Lois Naye and I are planning for the meeting. I have had a lot of fun putting together the history of the clock shown on the meeting announcement. Nile Godfrey, Dale Gardner, and Wayne English helped with the project.

In November I spent a week in Vienna. Whenever I visit there, I try to poke around the antique stores. They range from stereotypical stores with piled up junk to galleries displaying true horological art. I was surprised to find that *D&S*, a gallery whose catalog provided a number of pictures for this publication, was out of business. I mentioned their closing to a clockmaker who replied "thank goodness". Apparently they were not universally admired, but they certainly had nice clocks. Some of the *D&S* pieces are now being offered by a new gallery, *Lilly's*, which gave me their catalog. It will be the source of pictures in future issues. Another interesting spot was the shop of Stephan Andreewitch. He had several beautiful regulators, some with very interesting compensated-pendulums. Unfortunately I did not have my camera with me. His web site, andreewitch.com, has nice pictures and descriptions of timepieces such as the one shown here with a grid-iron pendulum. From the relative size of the bob and case, the motion of the pendulum must be miniscule. None of these shops are for the modest budget. Prices ranged up to over \$100,000.



Price

IMPORTANT BUSINESS

Due to a scheduling problem, we will not be able to hold the June meeting in the Grange Hall on the usual day. Some of the options are to meet the third week of June at the Grange Hall, meet at the normal time but in a different location, or cancel the meeting. If we choose to meet at a different location, we might want to consider having the picnic in June instead of August. We need to discuss this and make a decision at the February meeting. Think about it and bring your ideas to the meeting.



Horological valentines from days gone by. It is a bit hard to tell, but the hearts in the one on the left are clocks.

2011 BUDGET

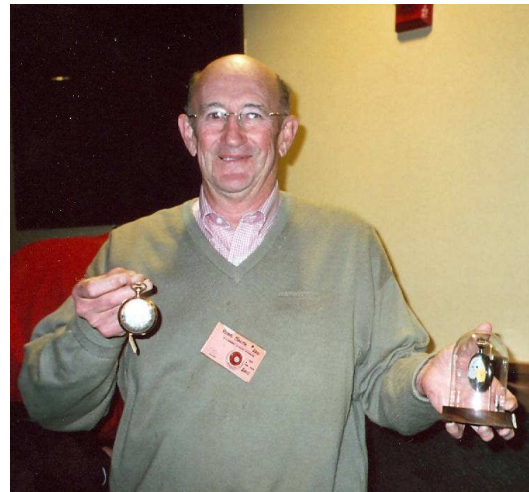
| CATEGORY DESCRIPTION | 2010 Actual | 2011 Budget |
|-------------------------------------|-------------------|-------------------|
| INCOME | | |
| CD INTEREST | \$304.26 | \$300.00 |
| MEMBERSHIPS | \$1,195.00 | \$1,100.00 |
| OTHER | | |
| Auction Sales | \$332.50 | \$250.00 |
| Chapter Pins | \$0.00 | \$0.00 |
| Library/Tools/Video Sales | \$0.00 | \$0.00 |
| Miscellaneous | \$20.00 | \$20.00 |
| Programs | \$0.00 | \$0.00 |
| Refunds | \$210.99 | \$0.00 |
| Regional | \$0.00 | \$0.00 |
| Christmas Lunch | \$925.00 | \$950.00 |
| TOTAL INCOME | \$2776.76 | \$2,620.00 |
| EXPENSES | | |
| BULLETIN & NOTICES | | |
| Postage | \$163.95 | \$200.00 |
| Printing | \$420.15 | \$400.00 |
| TOTAL BULLETIN & NOTICES | \$584.10 | \$600.00 |
| FOOD & DRINK | | |
| Christmas | \$1,097.10 | \$1,200.00 |
| Meetings | \$0.00 | \$0.00 |
| Picnic | \$230.00 | \$200.00 |
| TOTAL FOOD & DRINK | \$1,327.10 | \$1,400.00 |
| INSURANCE | \$502.92 | \$0.00 |
| LIBRARY: Books, Tools, Videos | \$0.00 | \$0.00 |
| MISCELLANEOUS | | |
| Bank Charges | \$0.00 | \$0.00 |
| Donations | \$0.00 | \$0.00 |
| Door Prizes | \$0.00 | \$0.00 |
| TOTAL MISCELLANEOUS | \$0.00 | \$0.00 |
| P. O. BOX | \$140.00 | \$140.00 |
| PHOTOS | \$0.00 | \$0.00 |
| PROGRAMS | \$0.00 | \$0.00 |
| REGIONAL | \$0.00 | \$0.00 |
| RENTALS (Grange Hall, Danville) | \$480.00 | \$480.00 |
| TOTAL EXPENSES | \$2,531.20 | \$2,620.00 |
| OVERALL TOTAL | \$245.56 | \$0.00 |



Clarence Kobel



Ronda Ballew



Ross Smith



Carol Slatten

December 2010 Meeting

Photos by Sophia Gardner



Lunch



Cinde Godfrey



Bob Wahrer & Price Russ

THE SERVIS RECORDER

The Servis Recorder was designed to record the time that a vehicle or other equipment was in motion or at rest. The basic mechanism was patented by E.S. Phelps. (Filed 1907, Issued 1909) It consists of a clock work which drives a paper disk, and a pendulum which swings in response to movement of the vehicle. A scribe on the pendulum makes a mark onto the wax-coated disk whenever it moves. Thousands of Servis Recorders have been in use from 1910 through to present day on earth moving equipment, logging equipment, and for documenting the use of rented equipment. Other uses were to record the operation of delivery trucks and salesman automobiles to optimize route efficiency and to monitor the drivers performance.



Several different models were manufactured by the Servis Recorder Company of Cleveland, Ohio. The model shown was made some time after 1924. It measures about 12 cm in diameter and weighs 1 kg. The paper disk turns once in 24 hours and the clock movement runs for three days. Other models have a one turn in 72 hours movement with a running time of 9 days. Some models have a clock face that is visible from the outside.

The trademark "Servis Recorder" was abandoned in 1947, however production continued in Cleveland for several years. Sometime in the 1980s, the product design was apparently sold to a British company. (I could not find a direct reference for this.) The product is still being manufactured by the Servis Recorder LTD in Gloucester, UK, primarily for replacement purposes. The newer Servis Recorder products are electrically operated.

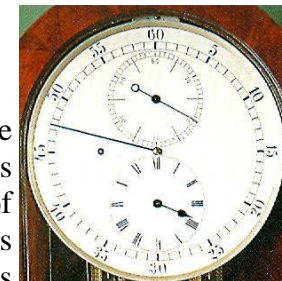
Bob Wahner

Wait. Don't Tell Me!

What clock is this?
Where is its twin located?



This pendulum has two sets of pivots, so that it can be hung either end up. The pivots are adjusted such that the period of the pendulum is the same in either orientation. How are such pendulums used? Why is it cylindrical?



Astronomical regulators are often set up with minutes shown at the outer edge of the main dial and hours shown on a separate circle. Is this high grade English clock an astronomical regulator? This clock has a zinc/steel compensated pendulum. What is the weakness of this scheme?



OK, Now Tell Me.

The corner clock is on the Marshall Field, now Macy's, Building in Chicago. It was installed in 1897. It is shown in this early 20th century postcard. The second clock is on the other end of the building. If you have information on the mechanism and manufacturer, please share.



If one knows the force of gravity, a pendulum can be used to measure time. If one knows time, the period of the pendulum can be used to determine gravity. Pendulums of the type shown were used to measure gravity at different points on the earth. Time was determined from a precision clock calibrated by the passage of stars. The period of swing of the pendulum then measured the force of gravity at that location. The cylindrical shape facilitated calculations of drag due to the atmosphere. This particular pendulum is one of several designed by Charles Peirce in the 1870s. Peirce's life has been described as brilliant but troubled. For a pendulum set up as described, the effective length of the pendulum is the distance between the pivots. With a lot of caveats, it can also be used as a standard for length.

No, the hour circles on astronomical regulators show 24 hours. The hour circle on this clock shows 12 hours. Also astronomical regulators measure sidereal time, but one could not know that from the picture. The clock shown would properly be referred to as a regulator, but not an astronomical one. (This fact was pointed out to your editor by a rather indignant Viennese clockmaker.) The problems with zinc/steel compensation are that it is less stable over the long term than say brass/steel and more subject to corrosion.



CHAPTER LIBRARIES

BOOK: The Chapter book library is located at Classical Clocks and Antiques, 1086 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.

There is no cost to borrow items from these collections. If you need the catalog of books, videos, or tools, contact Earl Watrous (510-569-4175) or Price Russ.

NOTICES FROM 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.)

CHAPTER #107 MEETINGS

Second Sunday of the Even Numbered Months

Mart: 11:30AM
 Chapter: 12:30PM
 Board: after the Chapter Meeting

Future Meeting Dates

April 10, 2011 June 12, 2011 (?)
 August 14, 2011 October 9, 2011
 December 11, 2011 February 12, 2012

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 nd Sunday even months (except April) |
| Monterey Bay #70 | Live Oak Grange Hall 1900 17th Ave Santa Cruz, CA | 3 rd Sunday odd months |
| Sacramento #71 | Sacramento Garden Center 3330 McKinley Blvd. Sacramento, CA | 4 th Sunday odd months |
| San Francisco #5 | Boys and Girls Club 401 Marina Blvd. San Leandro, CA | 2 nd 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.

INTERESTING GADGETS

The March 2010 *Popular Science* included this do-it-yourself (DIY) “atomic” clock, where atomic means it is synchronized to time signals broadcast from the National Institute of Standards and Technology. Instructions can be downloaded from the *Popular Science* web site. The estimated cost of the parts is \$80. The degree of difficulty is listed as “hard” which seems strange in that all one has to do is connect several prefabricated modules. It would seem that DIY is not what it was 30 years ago. Remember DIY TVs? Alternatively you can buy commercial units some of which include a thermometer for about \$20.



Closing Thought

**The surest way to be late
is to have plenty of time.**

Leo Kennedy (1884-1939)