

THE Tic Talk Times



April 2005
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Newsletter of Orange County Chapter 69 of the
National Association of Watch and Clock Collectors

Meeting minutes, Mar. 4, 2005

Mystery Collector

The March meeting was brought to order by President Charles Register. He introduced our guests, Bill Lay, Gary Burhanan and Alan Ngo. A special greeting went to Pat and Bud Saiben, Good to see you at the meeting! Jan and Dick Duwe brought the refreshments. Jan made them, O E She, as they say in Japan, for delicious!



We had an exceptionally busy mart in March!

The Beginners Corner was given by Ray Brown on using the "Online Bulletin Index." Thank you for putting this together. All members can use this and if you order by Wednesday before the Friday meeting, the Bulletin will be brought to you. We also have videos available in the library for rent.

The program for the evening was a mystery collection on video. We had no idea to whom this collection belonged, until Bob Selene stood up. Bob has been a member of NAWCC

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This month

Watches & Winders

We will spring into spring this month with a program dedicated to clock springs; winders that is. Five or six of our members will bring and demonstrate their favorite clock mainspring winders. There may even be a watch spring winder or two. As you all know, the way you handle clock springs can not only protect your hands and other parts of your body from harm, but can also effect how the clock ultimately performs, i.e. cupped springs in a barrel can increase the friction and reduce the running time or even cause a clock not to run at all. There will be a good variety of different winders, both home made and those that are commercially available.

Our President, Charles Register, has agreed to give a short talk on the most prominent watch manufacturers in business today for the beginner's corner this month. I know that there are a number of manufacturers but am not sure just which Charles considers the most prominent. It might be interesting to come and compare your preferences with his.

This should be a fun and educational evening and I'm looking forward to seeing you all there.

— Bob Linkenhoker



Message from the President

Coming Together

As you know, the success of our chapter is dependent upon the participation of our members, and so far, every year we've come together beautifully to make the Good Tyme Supermart a great event. This year, like others, things are shaping up nicely. Our thanks to everyone who is volunteering.

Let's not forget our other goal: to increase participation in Chapter 69 by building our membership. We have printed up invitations for new collectors to attend one of our meetings for free to help increase participation. See me at the meeting if you would like to distribute some of these.

I'm also negotiating with a restaurant manager to have clock and watch shows maybe every six months at his restaurant, accompanied by wine and cheese tastings. This is still in the planning stages, but I believe this can be a vehicle for not only increased awareness and memberships, but also sales for our participants.

Thanks again to everyone whose support and work makes Chapter 69 one of the best. Also, please remember that Bob Linkenhoker is our new Vice-president and can use your input for future programs and Beginner's Corners.

Charlie

Charles A. Register

Meeting Minutes *(from page 1)*



since the early 60's and has been collecting since that time. Everything he has is in running condition. He has also done some restoration to bring the clocks back to their former glory on some pieces. Some of his pieces include an 1850 World's Fair Grandfather's Clock, one of his oldest is an

English bracket clock from the 1600's. He has a 30 pound French clock with a rocking ship and a silk suspension. He has quite a collection of Junghans statue clocks, the Barmaid (made for the London market), the elephant (for the India market), a Gray Boy, Swiss Guard, Kangaroo and a Statue of Liberty. They are all original. He has a Plato, oscillator clock, a no wind, no battery clock from the Red Skeleton estate and many, many more. His joy is the restoration and he likes to have them as perfect and as right as possible. Thank you Bob!

Show & Tell began with the letters K and L. Bernie Peralta brought a LeCoultre table clock shaped like an Egyptian obelisk with a watch movement. It is a beauty (top left).

Dick Duwe suggested that people who might have a problem, or a question, bring it up to the group. To give an example of how this works, Dick brought a problem (right). A box says, "John Quincy Adams." Does it date to the 1800's? He can't get the back open. The dial says, "W Dann. Maidstone." Tony Baker told the group that Maidstone is south of Kent. Someone else said that since it has screws in it, it must have been made after 1860. Good idea Dick!



Dave Weisbart brought a Kroeber. This was a "Got to Have It" clock. He found it locally a few years back. It is a variation of the "Cabinet 61." (top right)

Bob Ciampa brought a 24 hour, chrome, Lux ships clock.



Roy Irick brought in a pair of LeRoy's (below). The carriage clock is signed on the side of the plate. The second clock he brought was a "Buy It Now" on ebay. It is a perpetual calendar, open escapement, 15 day clock, signed

LeRoy & Fils.

Door prizes were great this month! Thanks to Annette DiMino for finding the coveted door prizes!



Mark Your Calendar

Marts!

The eleventh annual Goodtyme Supermart will take place on Saturday, May 7. It will be held in our current meeting facility, the Garden Grove Masonic lodge. We'll be using both the main meeting room and the large foyer for selling. A lasagna lunch will be served, too! Assure your table and avoid the lines – fill out the enclosed registration form now.

Then, in June, the two-hour pre-meeting mart returns. We see more of everything at these marts: more clocks, more watches, more buyers, and more sellers. This will be at our June 3, 2005 meeting. The doors will open at 6:00 P.M. that night.

Tell your friends not to miss these great marts!

Tic Talk Times On Line

Would you prefer to receive the Tic Talk Times over the Internet?

Send an email request to webmaster@nawcc69.org. You can also view the current and past issues at www.nawcc69.org

A Very Useful Volume

One of the benefits of our chapter is free access to a library with books that are useful for history, technical design, and repair information. One book that does all of this is “The Best of J.E. Coleman: Clockmaker”, which is a compiling of his articles written for the “American Horologist and Jeweler” magazine. J. E. Coleman covers the traditional topics of time and strike clocks but fills many gaps by also covering the history, design and repair of early electric clocks and watches including many of the battery powered ones of the 50s through the early 70s.

He includes many repair techniques that are not obvious and could stump those of us currently working on an antique or vintage watch or clock. One example I found was to use the ball from an old ballpoint pen for a missing

thrust bearing in a Sangamo wall clock having an Illinois watch movement from the 1920's. I didn't even know the ball was supposed to be there without Coleman's information!

Other non-traditional topics covered are 400 day clocks, cuckoo clocks, tips for lubrication, and adjusting and setting up chimes.

Even if you do not make immediate use the techniques and tips found in this comprehensive book, the historical information makes a good read and the article format condenses specific information without reading through entire chapters. Finally, an excellent index makes it easy to find information presented in multiple articles on a topic and the inclusion of original illustrations is of help too.

This is just one of the useful and interesting books from our library. Please take a moment at the next meeting to look over these and our video library too.

— Ray Brown, Chapter 69 Librarian

Dave's Shop Talk

Slop

As I've mentioned before, there needs to be a certain amount of play – or slop – in clock movements. This is properly referred to as “shake,” and there are two types: end shake and side shake.

End shake is generally built into the manufacture of a clock. It's the front-to-back play of the gear shafts in between the plates. Except in the case of manufacturing errors, a repairperson rarely has to deal with insufficient or excess end shake.

Side shake refers to the tiny amount of play, side-to-side and top-to-bottom, of the gear pivots inside the bearing holes of the plates. It is side shake that gets out of whack when a bearing hole gets worn from extended use without proper lubrication.

At the NAWCC school, the teacher gave a rather simplistic (in my opinion) indication of the need for a bearing hole to be bushed. He related it to the wear as a percentage of the diameter of the pivot. At best, that's only part of the issue. At worst, it can be completely misleading.

The issue of bearing hole wear has a lot to do with how the gears mesh with each other. Gear teeth are designed to encounter and push against each other at specific places on the curves of the gear teeth. When the spacing (depthing) of the gears is changed due to bearing hole wear (right), the relationship of the gear teeth changes, which adversely affects power transmission. This also explains the necessity of accurate centering when installing bushings.

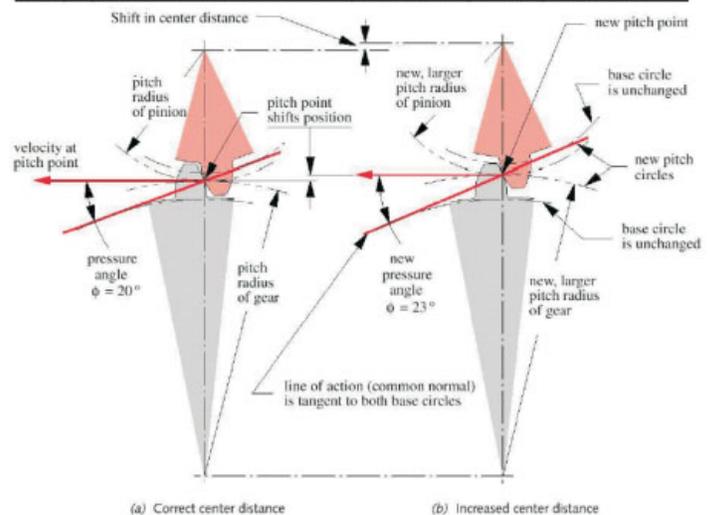
The other issue in bearing hole wear is that the worn area, created by the pivot grinding against the same place over extended periods, conforms too closely to the shape of the pivot – the worn area has too little side shake. This increases friction against the pivot.

So, when I examine a marginally worn bearing hole to determine whether a bushing is needed or not, I look at how the added side shake affects the meshing of the affected gear and pinion, and if the worn area is likely to be causing additional friction

The misleading aspect of using only the “percentage of pivot diameter” indicator comes into play especially on gears with non-standard pivots: the front pivot of a center shaft or gathering pallet shaft, for example. The wear may appear to be only a small percentage of the diameter of that pivot, but the effect on the related gears might be significant.

When installing bushings, side shake must be taken into account. Older American movements with lantern pinions are designed for quite a bit of side shake. To check this, put a gear pivot in just one of the plates, and wiggle the other end. You might expect a side-to-side movement of around 20 degrees in an American movement. German and French movements (with cut pinions) should have less side shake, maybe around 10 degrees of movement.

Changing center distance affects pressure angle and pitch diameter



**DATED MEETING NOTICE
PLEASE DO NOT DELAY**

*The National
ASSOCIATION OF
WATCH & CLOCK
Collectors, Inc.*
Orange County Chapter No. 69
c/o Dean Armentrout
332 Forest Avenue, Suite 6
Laguna Beach CA 92651



Our Next Meeting: April 1, 2005

Program:

LIVE PRESENTATION

"Spring Winders"

(See page 1 for details)

Time: 7:00 – Doors open
8:00 – General Meeting

Admission: \$4.00 – General
\$6.00 – Couples

Location: Acacia Grove Masonic Lodge
11270 Acacia Parkway
(in the Civic Center)
Garden Grove, CA

Beginner's Corner Mini-Seminar:

"Prominent Watch Manufacturers" by Charles Register

Show & Tell:

Horological items beginning with the letter "M"

Board Meeting:

SUNDAY, April 3, at 4:00 P.M. at the home of:
Jana Smith
20722 Hopetown Ln.
Huntington Beach, CA 92646
(714) 343-9445

