

# Tic Talk Times



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FEBRUARY 2016  
VOL. 35, NO. 7

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

Meeting Minutes, December 4, 2015

## HO HO HOLIDAY PARTY

The meeting was called to order by President Paul Martyn. We had one guest., Mrs. Morehouse.

Paul informed us that our long-time member and friend, Bernie Peralta, had passed away and services were to be held the next day. Flowers were sent to his wife, Ann, with the club's condolences.

There were many food items donated by members. Our guest brought clocks for sale from the husband's collection. They are both past members of Chapter 69. Doug Lynn had a variety of Christmas and horological items for sale and he also donated a table of items to the club.

We had our traditional video presentation by Dave Weisbart who again, kept us entertained with Charlie Chaplain, "the Donkey", and many other favorites. We sang Dave's "Horological

Editor's Note: Apologies to those who received the January Tic Talk Times. The newsletter incorrectly reflected a January meeting date. There was in fact no January meeting this year. The next meeting will be on February 5 at the Masonic Lodge.

If you have one of the truly rare copies, hang on to it. It might be worth something someday.

Twelve Days of Christmas" and "Grandfather's Clock".

We had one guest, Mrs. Morehouse, who brought clocks she hopes to sell. She and her husband were members some years ago.

The raffle table had a variety of items, including the kitchen sink! Raffle items were won by Ken Lynn, Dave Weisbart, and Phyllis Adams.

It was agreed to hold January's meeting on January 8th.



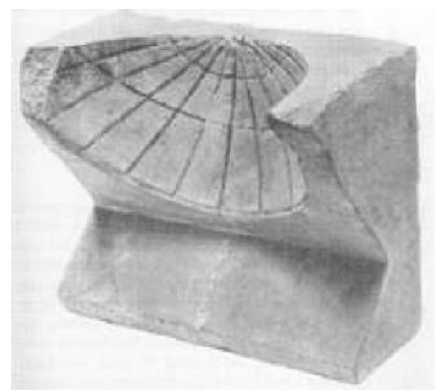
This Month

## INSIDE THE PATEK PHILIPPE WATCH CO

This month, we will kick off the meeting with a live Beginner's Corner in which Bob Linkenhoker will discuss how to make and use of burnishing tools for clock pivots.

The main program will feature a video on Patek Philippe, The Master Watchmakers of Geneva: Tradition is our Future. This video was actually donated to NAWCC by Patek Philippe. This video briefly reviews the history of Patek Philippe, including a tour of the firm with detailed views of watch production, much of which is done by hand. Traditional repair techniques are still used and these are viewed as well.

See you at the meeting!



Hemicycle

## TIME TRIVIA

The hemicycle, said to have been invented about 300 BCE, removed the useless half of the hemisphere bowl of the "new-fangled" sun dials to give an appearance of a halfbowl cut into the edge of a squared block. By 30 BCE, Vitruvius could describe 13 different sundial styles in use in Greece, Asia Minor, and Italy.

## Everything You Need to Know About Tourbillon

“Tourbillon” is the French word for “whirlwind,” but in the world of horology it refers to a certain complex mechanical feature present in many high-end watches. There is some debate about whether tourbillons are technically complications at all, since it doesn’t actually add any new functionality to a watch. Instead, this 18th century invention was meant to make pocket watches of the day more accurate. See, pocket watches spent most of the time sitting upright in a gentleman’s pocket. In this position, gravity can either accelerate or slow down the balance and escapement mechanisms of a watch, thus degrading the watch’s accuracy. In 1795, Abraham-Louis Bréguet, a master horologist born in Neuchâtel, came up with a solution: the form of the tourbillon-styled escapement assembly. In this configuration, the escapement and balance wheel of a watch are placed in a “cage,” which spins around on its own axis, usually once every 60 seconds, thus negating the effect of gravity. If we want to get a bit more technical about it, gravity has a significant effect on a watch’s timekeeping rate whenever its position changes—especially vertically. By making the escapement turn on its own axis, a tourbillon causes the balance wheel to turn through all possible vertical positions, thus eliminating any timekeeping errors caused by gravity and changing watch positions.

Two centuries worth of advances in metallurgy, design and manufacturing technology means that the high-end mechanical watches of today are precision machines on par (to a certain degree) with whatever state-of-the-art timekeeping devices the electronic industry can come up with. New alloys such as Elinvar and super-accurate laser cutting equipment have eliminated a host of problems, from lost elasticity from changes in temperature to the shock of daily wear, which might interfere with the delicate operations of a fine mechanical timepiece. At the same time, the need for a mechanism like the tourbillon has also been more or less eliminated. In fact, there is still some debate as to whether tourbillons were ever necessary in the first place, with some horologists arguing that the inaccuracy of mechanical timepieces in the past is simply the inevitable consequence of how far technology has progressed at the time. Yet, in the latter part of the 20th century, the tourbillon made a grand comeback. Some have even credited it as one of the factors that helped the mechanical watch industry survive the Quartz Crisis of the 1980s, when the Swiss watch industry fought back by reinventing itself as crafters of luxury items. The tourbillon would have been the perfect poster child for this movement, as it still is one of the most complicated watch mechanisms ever devised.

The mechanical description of a tourbillon might not be the best way to convey just how intricate the inner workings of this “whirlwind” really is, so picture it this way: In the movement of any mechanical watch, power from the mainspring is transmitted through the balance wheel to the gears of the movement. The balance wheel essentially regulates the flow of power supplied by the mainspring for the rest of the movement—this is why it’s often referred to as the “heartbeat of a watch.” When the balance wheel (the entire escapement assembly, actually) is mounted in the “cage” of a tourbillon, it means that the mechanism must perform its already complex job while rotating steadily as a tiny, suspended construct. In essence, the heart of the timepiece keeps ticking while spinning inside a whirlwind. So, as luxury watch makers began to call attention to the incredible craftsmanship that goes into their timepieces, the tourbillon moved from the deep within the case toward the front of the dial. It became a mark of quality and exclusivity for timepieces made only by the best watch houses. And it certainly worked: The tourbillon is complicated enough to ensure its relative exclusivity, steeped in rich history and visual splendor. -

In closing, perhaps the ultimate value of tourbillons lies in its implicit capacity to defy the odds. This complication was invented in an effort to defy the pull of the Earth itself; its resurgence was spurred by a defiant industry unwilling to slip quietly into the night when progress encroached on its territory; its relevance today, thus, is as a way to defy the limitations of fine horological craftsmanship. As much as it defies logic, the sight of a miniature whirlwind spinning in place as the hands of your watch make their rounds will always be nothing short of magical. Hence, tourbillons are here to stay. -

Source: <http://daman.co.id/everything-you-need-to-know-about-tourbillon/>

### UPCOMING MARTS

#### FEBRUARY 2016

##### [2016 NAWCC Florida Mid-Winter Regional](#)

When: 2/12/2016 - 2/14/2016

The Lakeland Center

701 West Lime Street, Lakeland, FL 33815

##### [2016 Channel Islands Regional](#)

When: 2/18/2016 - 2/20/2016

Ventura County Fairgrounds

10 W. Harbor Blvd., Ventura, CA 93001

#### MARCH 2016

##### [2016 Lone Star Regional](#)

When: 3/4/2016 - 3/5/2016

Mesquite Convention Center

1700 Rodeo Dr., Mesquite, TX 75149

##### [2016 Arizona Sunshine Regional](#)

When: 3/18/2016 - 3/19/2016

Fountain Hills Community Center

13001 N La Montana, Fountain Hills, AZ  
85268



Full details for all upcoming marts: <http://net.nawcc.org/NAWCC/Events/Events/NAWCC/Events/Events.aspx>

## In Memoriam—Bernie Peralta

October 20, 1931 - November 24, 2015

On November 24, 2015 one of our old time members from Chapter 69 passed away. Bernie Peralta was very active in the Chapter's activities in the 1980's and 1990's serving as its President from 1994 to 1997. He will be missed by all those that knew him.

Rest in Peace old friend.



Flowers sent by Chapter 69

Beautiful Memorial Basket for  
Bernal Peralta ~ Dec. 5, 2015

Dear Members of Chapter 69,

Thank you so much for your kindness in sending this beautiful basket (which also included lovely yellow mums) in Bernie's memory. It is thriving and brings me comfort as I remember Bernie's joy and pleasure in his membership in Chapter 69.

With all that was going on at the time, I so regret not figuring out how to contact you to let you know of his health, his passing and his service.

Sincerely and fondly,  
Ann Peralta

Note to Chapter 69 from Ann Peralta

February 18th, 19th, and 20th 2016

# Channel Islands Regional

Replacing the regional previously held at Pasadena

At the Ventura County Fairgrounds, 10 W. Harbor Blvd. Ventura, CA 93001

Hosted by Western Electrics, Chapter 133 and San Fernando Valley, Chapter 75

The General Public will be admitted to the Mart area on Saturday!

## THE EXHIBIT WILL FEATURE "California Chapters"

Thursday Feb 18  
5-7 PM Pre-Registration  
and Packet Pickup  
6-8 PM Mart Table Setup

Saturday Feb 20  
7:45 AM Program 3, TBA  
9 AM Registration  
9 AM Mart Opens  
3 PM Mart Closes  
4-5 PM Mart room breakdown

Friday Feb 19  
7:45 AM Program 1, TBA  
8:00 Registration  
9 AM Mart Opens  
2 PM Program 2, TBA  
6 PM Mart Closes  
7:30 PM Banquet

**Host Hotel, Crowne Plaza**  
450 E Harbor Blvd, Ventura, CA 93001  
805 648-2100, 888 233-9527  
\$139 per night plus tax. Free parking, Wi fi. Reserve early!  
The Crowne Plaza will hold NAWCC discounted block of  
rooms only until Jan 19, 2016 Refer to the  
Channel Islands Regional, Association of Watch and Clock  
Collectors when making reservations

Website: [www.chair2016.com](http://www.chair2016.com)  
E-mail inquires: [nkuns@verizon.net](mailto:nkuns@verizon.net)  
Chairman: Neil Kuns, (805) 832-8226

### IMPORTANT STUFF!

"Tables reserved by groups must be received in the same envelope. Badges & tables are not transferable. reservations received before February"  
"4, 2016 will be acknowledged. No Refunds after this date. Fire code regulations preclude extensions of your table space into aisles or doorways. No more than  
two sellers per first table, one seller per each additional table. The NAWCC, its officers, and members of the Channel Islands Regional are not  
responsible for any loss, injury, or tort during the meeting. Valid NAWCC membership card required for entrance except Saturday. NAWCC Convention  
protocol, rules and California State tax laws apply to this convention. Only horological items allowed in Mart room."

**Please Print Clearly**

**TABLE HOLDER NOTE:** A California occasional sale form BOE-410-D must be presented  
before entering the mart.

**Pre-Registration Ends January 28, 2016**

ITEM	QTY	PRICE	TOTAL
Pre-registration <i>(On site registration \$35) Minors under 18 are free</i>	_____	@ \$30	_____
Mart Tables	_____	@ \$50	_____
Wall Tables	_____	@ \$55	_____
Early Bird Entry	_____	@ \$40	_____
Electricity (per hookup) <i>(Wall Tables ONLY)</i>	_____	@ \$25	_____
Banquet	_____	@ \$45	_____

TOTAL ENCLOSE

Member: \_\_\_\_\_ NAWCC# \_\_\_\_\_  
 Address \_\_\_\_\_ City \_\_\_\_\_  
 State \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Family Members \_\_\_\_\_  
 (Spouse and minor children)  
 Other NAWCC members \_\_\_\_\_ # \_\_\_\_\_  
 (Include NAWCC #)  
 \_\_\_\_\_ # \_\_\_\_\_  
 Special request: \_\_\_\_\_

For Sellers: I sell primarily  Watches  Clocks

**Mail application & Check to: NAWCC Chapter 133**  
P.O. Box 352  
Harvard, MA 01451

Make checks payable to: NAWCC Chapter 133

**DATED MEETING NOTICE  
PLEASE DO NOT DELAY**

ORANGE COUNTY CHAPTER NO. 69  
C/O CORA LEE LINCKENHOKER  
7186 CALICO CTR.  
CORONA, CA 92881

*The National*  
ASSOCIATION OF  
WATCH & CLOCK  
Collectors, Inc.



Our next meeting: Friday, February 5, 2016



***Beginner's Corner Mini-Seminar:***

Creation and use of a burnishing tool

***Show & Tell:***

Any horological item beginning with the letter "E" or a Patek Philippe

***Board Meeting:***

No Board Meeting this month

***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

