

THE Tic Talk Times



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May 2007
Vol. 26, No. 10

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

Meeting minutes, Apr. 6, 2007

Electric Evolution

The meeting was called to order at 8:00 PM by President Doug Adams.

The members thanked Ellie Clark for the refreshments. The members then welcomed Anna Pond as a new member and guests Esther Calesanzio, Jim and Glenda Watts and Ray Bunch.

It was announced that Bud Saiben is now home and walking with the aid of a walker; Carl Carlson has had a heart valve replacement; Irene Kliem is recovering from a pelvic bone fracture; and Roy Crowe is in a home in Fullerton.



Electricity winds an Illinois movement in this Sangomo clock

Doug announced the upcoming regionals and marts:

- April 14 – Chapter 81 Inland Counties Fair at Palomares Senior Center

continued on page 2

This month

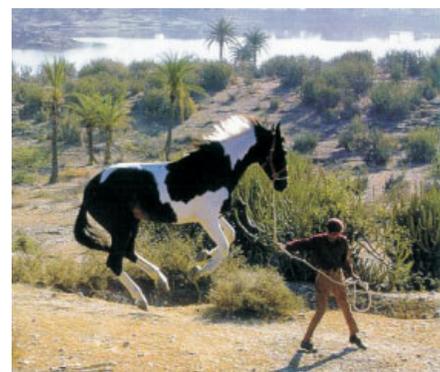
Crystals of Time

Like it or not, the quartz crystal has become the heart of modern timekeeping. Even most of us who cherish the balance wheel and the pendulum as our oscillators of choice have quartz timekeeping somewhere in our lives.

Our speaker this month is Gregg Bunch. He is a manufacturing manager at Statek Corporation on Orange, a producer of quartz crystals for such diverse devices as pacemakers, satellites, ballistic fuses, cochlear ear implants, and sprinkler timers. Gregg will talk to us about how quartz crystals are made and how they function as oscillators.

In addition, he will present a DVD program that aired on The Learning Channel (TLC) called "The Secret Life of the Quartz Watch." This show gives a well-done chronology of timekeeping beginning with the sundial, and ending with electronic watches.

Science marches on, and even those of us who live for 17th century timekeeping technology still need to know what's going on around us. Don't miss this program!



OK, what does a levitating horse have to do with this newsletter? Well, it got your attention, and it's our way of saying, "It's time to *Pony Up!*" Yes, it's time for you to show your support for Chapter 69 by renewing your membership.

It's no secret that membership in the national has been on a slow decline for many years. Our chapter has been holding its own with a proven combination of interesting monthly programs, marts, a fine library, fun door prizes at each meeting, and great camaraderie. But without your yearly contribution of just \$10, we would be forced to cut back and put all this in jeopardy.

So please don't delay. If you will be attending this month's meeting, please bring the completed application and dues to the meeting. If you can't make it this month, take a moment right now to send in your renewal. We're all counting on you.

Whatever you're looking for...



Come to the Thirteenth Annual

GOODYME SUPERMART

May 19, 2007 • Garden Grove Masonic Lodge



Meeting Minutes *(from page 1)*

- May 5 – Central Coast Watch and Clock Show
 - May 19 – Chapter 69 GoodTyme SuperMart
 - May 17-19 – Pacific Northwest Regional in Spokane, Washington
 - June 6-9 – National Convention in Chattanooga, Tennessee
 - July 22 – Chapter 75 Minimart at Granada Pavilion
- Doug requested that the members volunteer to help with our upcoming GoodTyme SuperMart. Setup to begin at 7:30 to 8:00 on Saturday May 19 and the doors open at 9:30. Guests of the members will be allowed into the mart.



Bob Linkenhoker announced that only 7.7% of the NAWCC members voted in the recent election.

It was moved and seconded that the minutes of the March 2007 meeting be approved. Motion passed

Dave Weisbart presented the evening's Beginners Corner on the method of determining the length of a missing pendulum on a 19th century French clock. Dave advised that in most cases the clockmaker stamped the necessary information on the back plate of the movement. Typically there are two numbers on the movement identified as Pouce, which is roughly an inch, and Ligne, which is about 1/12 inch. Dave handed out a sheet which will provide a rough estimate of the pendulum length, as well as beat rate, for various Pouce/ Ligne values.

The main program for tonight was a program on Electric Clocks by Ray Brown. Extensive notes including



pictures will be posted on the chapter's web page. Prior to AC power, clocks were either windup or battery operated. Towards the end of the 19th century, various municipalities developed alternating current as their power source. Over time, 60 Hz became predominant. One of the first electric clocks was made by Sangamo which was a manufacturer of AC power meters. Ray displayed one of these clocks which has a Illinois watch movement with a motor that winds the movements spring. In 1934, the Lawson Clock Company developed a digital style readout for electric clocks.

Ray also brought a number of samples made in the 1920's and 1930's. Each of these clocks used AC power to either wind a spring or run the time train directly. A major concern was how to handle the loss of power. Various methods were presented but eventually it became much less of a concern.

For Show and Tell, Bob Selene brought a bakelite ships clock identified as a Mark1 Boat Clock made in 1943.

Doug Adams brought a rounding up tool which included a tooth cutter that indexes itself to the next tooth. The tool may be used to round up a wheel or to stretch a worn wheel to its original diameter.

Les Lesovsky displayed a French Beaux Arts style clock. The pendulum is above the movement and has a cast iron front with a wooden case.

Doug Lynn brought a Sessions self starting electric clock and a Hammond electric. Doug informed us that Hammond used their experience with motors for electric clocks to develop electric organs.

Door prizes were won by Les Lesovsky, Ken Lynn and Esther Calesanzio..

The meeting was adjourned at 9:30 PM.



Dues are Due!

It's time to renew your membership to Chapter 69. Your support of our activities is very important to the chapter's well-being, so we're counting on every member to send in his or her renewal.

Please fill out the form on the right and bring it with you to the meeting. If you can't attend this month's meeting, please mail your dues today!

Don't Like to Stand in Line?

Get the annual pass option! This permanent badge gets you into every regular meeting without having to pay at the door. This pass gets you into 12 meetings for the price of 11.

For an individual pass, include \$44 plus your dues (\$54 total). For a couples pass, include \$66 plus dues for two (\$86 total).



Orange County Chapter 69 Membership Application

New Member Renewal
(check one)

PLEASE PRINT

Last Name

First Name

Spouse Name

Street Address / P.O. Box #

City, State, ZIP

NAWCC #

Phone

Email Address

Check here to receive the Tic Talk Times electronically.
Saves postage and printing! Get the newsletter in color!

Dues for 2007-08 are \$10.00.
Please make your check payable
to: "Orange County Chapter 69."

Check below for options. Amounts
are in addition to dues.

- Individual annual pass (\$44)
- Couples annual pass (\$66)

Complete this form and mail to:
Cora Lee Linkenhoker
7186 Calico Cir.
Corona, CA 92881

Gallery of Ray's Electric Clocks



**DATED MEETING NOTICE
PLEASE DO NOT DELAY**

*The National
ASSOCIATION OF
WATCH & CLOCK
Collectors, Inc.*
Orange County Chapter No. 69
c/o Cora Lee Linkenhoker
7186 Calico Cir.
Corona, CA 92881



Our Next Meeting: Friday, May 4, 2007

Program:

VIDEO PRESENTATION
**"The Secret Life of the
Quartz Watch"**

Beginner's Corner Mini-Seminar:

"How Quartz Crystals Are Made" by *Gregg Bunch*

Show & Tell:

Horological items beginning with the letter "S"

Board Meeting:

To be announced

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

