

THE Tic Talk Times



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

Meeting Minutes July 3, 2009

And the Wheels Go 'Round!

President Doug Adams called the meeting to order at 8:00 p.m. He introduced two special guests, Gene Osten's son and grandson. Doug also welcomed new member Dominc Albert. Doug thanked Bob and Cora Lee Linkenhoker for the tasty refreshments, Klondike bars!

Treasurer Bob Linkenhoker reported on the National - 700 tables, 1200 attendees, eight hours of meeting per day, 12 lectures, 11 National Committee meetings, two auctions, Awards, nine special interest chapter meetings and more! The School of Horology has more students than they can handle. A second teacher has been hired. York, Pennsylvania is the venue for next years National Convention.

Upcoming marts: Chapter 75 is July 26 and the Del Mar Regional is in November.

The Beginner's Corner was presented by Ray Brown, Finding Information on the Internet.

Ray discussed the Google search for US Patents, using the advanced patent search. He said the inventor name doesn't always work and to put the inventors name at the top with the rest of the search words. For genealogy documents, Ray suggested using Ancestry.com, for newspaper archives, Google News Archive Search.

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This Month

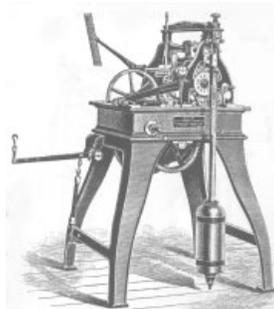
Church Towers & Clocks



Church of the Angels, Garvanza, Calif.

The preservation of the Church of The Angels tower clock will be detailed in a PowerPoint presentation by Les Lesovsky.

The program will graphically describe discovery of the 1889 clock, the church and the preservation of the clock by dedicated NAWCC chapter members.



19th Century Tower Clock Movement

The story unfolds at the founding of the church in Garvanza, a part of Los Angeles that became Pasadena. The program continues through the history of the clock, how it operates and how it is maintained, an everlasting project.

The United States Clock Company

The following summary information was developed as a response to a question from Larry Squires at our June meeting on the United States Clock Co., of New York. All the information was obtained using search engines on the internet as described in Ray Brown's July Beginners' Corner.



Typical Iron Front Clock c. 1860 US Clock Company

Key players in the history of the US Clock Company:

- Henry Terhune, DOB 1820 in New York
- George B Edwards, DOB 1825 in England
- William H Terhune oldest son of Henry, DOB 1840 in New York

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DUES ARE PAST DUE!

(See last month's Tic Talk Times for application)

Meeting Minutes *(from page 1)*



Some of Ray's favorite internet search resources.

The program was presented by Dave Weisbart, "Gear Trains 101." Randy Ema innocently asked, "What do the gears do in clocks?" and this spawned this presentation. The purpose of the gear

train is to transmit power. This is the beginning and the end of the truths. There is an exception to all the rest! There is a going train, numbered up from the bottom T1, T2, etc. The motion works train is TM (minute), TC (cannon) and TH (hour tube). The power is almost always attached to the T1 wheel.

With a going barrel, the power goes in the same direction as the winding. With a cable/chain and open spring, the power is opposite of the winding.

Some gear basics – gear drives pinion. Alternate gears turn in opposite direction (useful to know when rebushing).

Escapement – deadbeat and recoil.

Motion works – Canon arbor goes around once in an hour. The minute wheel translates minutes to hours (12:1).

With a typical European Time Train, the motion works are part of the going train and located on the top of the plate.

I am not including the formula for calculating beats per hour because I don't know how to type it!

Identifying time train wheels – no pins (except canon arbor). Larger to smaller, including pinions.

Function of a strike train – Energy used to lift and release a hammer while keeping track of the number of the hour.

Styles of strike trains – count wheel or Rack & Snail. With a count wheel, the cuts are deeper in the count wheel and it can get out of sync.

Identifying the strike train wheels – asymmetries (not the pins, stars, cams, fans). The fan slips on the arbor by design. Do not solder.

The chime train – energy used to lift and release a series of hammers and keep track of quarters.



Slide from Dave's Presentation "Geartrains 101"

As usual, if something doesn't make sense, it is my note taking, not the speakers presentation.



Larry Squires Explains His Process for Soldering Dials to Bezels.

Show and Tell began with the letters X, Y and Z. Larry Squires didn't read the newsletter and brought a #6 double time, missing a bezel. He had a bezel made and explained to us how he soldered the tabs in the bezel – tricky, since the dial was already attached. He took a blow torch, heat to red hot, took channel locks and held

the tabs to the bezel. It worked. Doug Adams brought something he purchased, a pink gold, 14K case, black dial wristwatch. I missed the name of the watch! But just what he likes to wear.

Ellie Clark, Charlie Lawry and Beverly Bruce won door prizes.

~ Julie Stevens



In Our Thoughts

Angelino DiMino

On June 8th long time chapter member Angelo DiMino passed away. Angelo had been in poor health for the last few years so we have missed the pleasure of his company. But earlier, he and his wife Sally regularly attended our chapter meetings as well as the ones of Chapters 4, 116, and 136. There was not a minimart or Regional in the area that you attended without seeing



Angelo, or in most instances Sally, at their table selling watches or clocks. I say in most instances Sally was at the table because Angelo was usually out looking for that next great purchase. More recently, Angelo and Sally were joined by their daughter Annette at some of the meetings and minimarts although Angelo was not always able to attend.

We all offer our condolences to the family and hope to see Sally and Annette at our meeting soon.

~ Bob Linkenhoker

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US Clock company (from page 1)

In the early 1850's Henry H Terhune started a business selling clocks that seem to have been built by others to designs developed by Henry and his partners.

Many of the clocks were of iron front construction with significant painted artwork such as one commemorating the laying of the first transatlantic cable in 1863. Movements for these clocks have been attributed to Chauncy Jerome, Ansonia, New Haven, Sperry and Bryant, and others. The movements however are marked with the intertwined U & S trademark of the United States Clock Co. plus the company name. There is also some evidence that the US Clock Co. provided custom labeled clocks to jewelers such as Flershime and Brother, Buffalo, NY.

1850 Census lists Henry Terhune living in Ypsilanti, Mich. with occupation "Cooper"

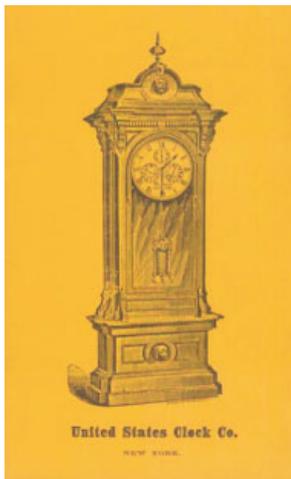
1854-1855 Terhune and Botsford, 50 Cortland Street. NYC.

1856/7-1863 Terhune and Edwards 48 Cortland Street NYC. Partnered with George B Edwards who lived in Bergan, NJ. Later and up until 1872 address listed as 18 Cortlandt St.

1872-1881 Terhune and Son, 3 Cortland Street NYC. and later at 25 Murray Street

1899 W. H. Terhune & Co. 25 Murray Street, NYC (William Terhune, pres.)

1922 W. H. Terhune Co., Inc., 33 Warren Street NYC, distributors of Ansonia and Ingraham Clocks



Paper labels and a catalog of astronomical regulators refer to the location of the business as a depot. In addition the labels and limited literature refer to "design" and "registration" of the clocks. The astronomical regulator catalog states that "The manufacturers of this Company are under the immediate supervision of the best practical scientific talent of the age; the machinery of the greatest delicacy and exactness, and none but skillful workmen

employed. All material is of the best quality and fineness, prepared on purpose, and no parts are allowed to be put together until they have passed the closest scrutiny..." These label and catalog references make it clear that Terhune and his partners designed and possible assembled movements into cases made by contract. In addition, occupations for Henry Terhune in census records are

"merchant" and for Edwards a listing as "clock dealer." The New York Times referred to Terhune and Son in 1881 as "wholesale dealers in clocks" and "a leading house in the jobbing trade." Henry Terhune was issued a design patent, D1575, on May 6, 1863 for "a new and original design for a clock case." The Feb. 1, 1899 issue of the Jeweler's Circular stated, "W. H. Terhune and Company is the style under which the clock business at 25 Murray St, formerly Henry Terhune and Son, is now conducted."

By 1922, the company was incorporated and was apparently sold by William Terhune, Henry's son. The company was in the wholesale business representing Ingraham and Ansonia.

~Ray Brown



Dues Are Past Due!

If you have overlooked your dues, they are now overdue! Dues are a major part of our chapter's operating budget and among other things cover our publication cost for the Tic Talk Times. If you have not done so, please remit your dues as soon as possible.

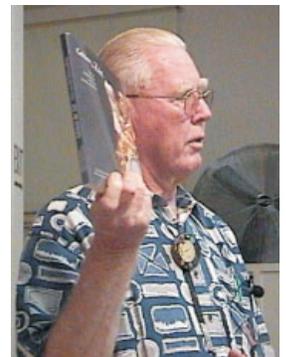
We will reluctantly remove non paying members in September.



In Our Thoughts (from pg 2)

Richard "Dick" Pridham

Another longtime and active member of our chapter, Dick Pridham passed away on August 30. Although Dick lived in Downey, a bit of a drive to our meetings, he was a familiar face at most meetings. Dick had developed a comprehensive collection of traditional collectible clocks plus had an interest in early electrical and electromagnetic clocks and was a member of the NAWCC special interest group, chapter 133, Western Electrics. In addition to his interest in clocks, Dick had a extensive home machine shop and built many special tools for his machining hobby. Dick loved to travel and would often recount his recommendations of places he visited that had a horological significance. Dick was an avid outdoorsman and loved to boating and camping, having traveled up and down the California coast.



~ Ray Brown

**DATED MEETING NOTICE
PLEASE DO NOT DELAY**

Orange County Chapter No. 69
c/o Cora Lee Linkenhoker
7186 Calico Cir
Corona, CA 92881

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



Our Next Meeting: Friday, August 7, 2009

Program:

**LIVE PRESENTATION
"Church Towers & Clocks"
by Les Lesovsky**

Beginner's Corner Mini-Seminar:

"Marts & Clocks for Sale"

Show & Tell:

Horological items beginning with the letter "A"

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

