



Animation of the Santa Barbara Courthouse clock

by Mostyn Gale

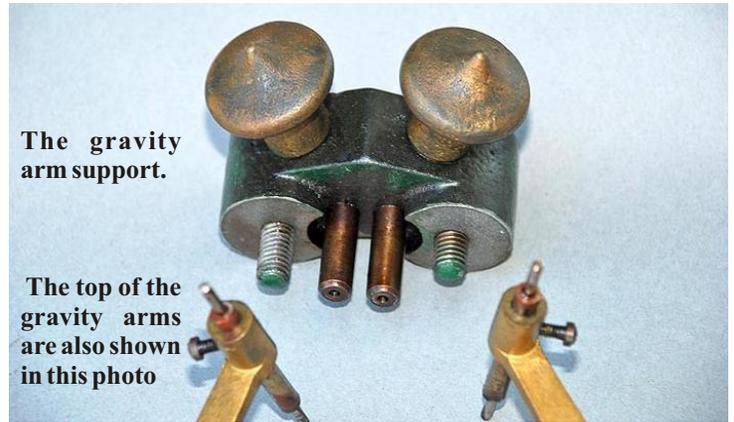
One of the stated objectives of the Santa Barbara Courthouse Clock restoration and Bisno Schall Gallery, is to provide education to the public on as many aspects of horology as possible. One such goal is to help people understand how clocks work. Tower clocks, because of their size, make this much easier to see, as David Bisno is prone to say, "you are actually inside the clock." In addition to just seeing things more easily, funding has been obtained and John Redfern has been put under contract to create an animation of our clock.

John Redfern is a world class 3D computer animator who began his career as a clock restorer. He has done work for the likes of Patek Philippe and the Royal Museum of Scotland, and the British Museum. John lives and works from his home near Lochgilphead, Scotland. This introduces another challenge, communicating over a long distance.

In order for John do his work from so far away we have provided him with as much detailed information about the clock as possible, and tried to give him a general feeling for what the whole clock looks like. Toward this later aspect, Bryan Mumford provided him with his 360 deg panoramic movies.

I have provided John with photos that were both general and very specific. In total, so far I have provided 16 general photos for perspective, seven line drawings, and 61 detailed, dimensioned photos. The dimensioned photos are the ones that took the most time and fortunately, I was able to take advantage of the fact that we had the clock disassembled to do this. The photos in this article show one example of what I did. The part shown is one side of the supports (bushings) for the gravity arms. First, I took a high resolution (3872 x 2592) photo of the part. Next I deleted all the background from the photo in order to remove everything that was no relevant to the purpose and make the dimensioning clear. Next, I dimensioned a printed copy of the photo. Finally, I made a pdf of the dimension photo to send to John.

We plan to have the animation running in the Gallery on one or more monitors directly in front of the clock so that a visitor can observe both the clock and the animation at the same time; able to make a good, real-time comparison between the two. I am not sure when John's work will be complete but we are all anticipating another wonderful addition to the Gallery.



The gravity arm support.

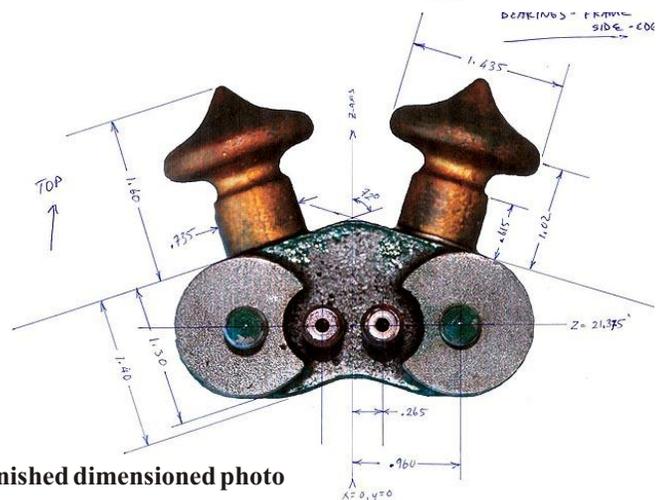
The top of the gravity arms are also shown in this photo



Original photo



Photo with background removed, ready for dimensions.



Finished dimensioned photo

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dave@biswebdesign.com

PRESIDENTS MESSAGE

By Mike Schmidt

One of the challenges of a chapter President and the Directors is to accommodate all of our member's diverse interests in horology. We offer programs during the year along with monthly workshops, and NAWCC Field Workshops to address all these interests. Please let us know if you have a special area of interest.

The following Sunday morning workshops have been a big hit with our members and guests:

The wrist watch and pocket watch members will find that the Sunday morning watch workshop starting at 11:30 A.M. will provide a forum for discussion on collecting and repair. Jorge Montoya has been leading this growing group with his expert knowledge in watch repairs. The workshop is free and all are welcome to attend the 90 minute sessions.

The beginning topic for the clock workshop on Sunday morning will be "The identification and repair of American Wood Geared Clock Movements". Paul Skeels, George Antinarelli, Bill Robinson and Virginia Norwood will lead the round table discussion beginning at 9:30 A.M. This 90 minute workshop is free; all are welcome to bring any clock repair questions.

A repeating photo montage of great photos from the 2012 Pasadena National Convention will be presented at the lunch/mart. The photos were taken over the several days of the Convention by renowned photographers, Steve Murphy and Bill Robinson.

The program for September will be "The Watch Factory". This program will be presented by Dave Coatsworth. Dave is a charter member of chapter 190. He is our chapter Webmaster and has done a marvelous job of creating and maintaining our Chapter website for almost six years. Dave also is the Webmaster for Chapter 75 and the "Greater Los Angeles Regional GLAR". Most months you will find Dave at our mart with 3 tables of fresh watch tools, parts and other horological goodies from recent estate acquisitions.

Dave also has his own website where he sells watch tools and other items. dave@daveswatchparts.com

The October meeting will be held in Santa Barbara at the historic Santa Barbara County Courthouse. A tour of the Courthouse and the clock gallery will be the meeting. There will be no meeting at Ventura College in October.

The October event is for Chapter Members, family and invited guests only, and will require reservations. For all who wish to arrange carpools I will provide a list of all who are attending prior to the event. Please email me or phone your RSVP before September 22nd, at 805 988 1764 or email EagleCreekClocks@msn.com

See you at the meeting. *Mike Schmidt*



Happy Birthday

Ed Armstrong, Tom Beard,
Tom Ferkel, Paul Highfill,
David Rubright, Chip Stevens,
and, Norma Zuber

The First Clocks That I Made

by Dan Weiss

In the past, under the clock Forum, I made a few posts and in one of those postings I promised That I would submit pictures of the Bracket Clock and the story of the first clocks I ever built. Long gone family member's children now have three clocks, my sister has one, I have the other.

The original Bracket Clock has no back door. The other day I was at my sister's place and took pictures of her clock. In taking these pictures while I was at her home, I did not care to use flash and did a little set-up on her patio. I apologize for the picture quality and extraneous matter in the posted views.

Coming home and viewing the photos I took at my sister's place, I was not too pleased with some of them. I did the next best thing...and took other photos of the backless Bracket Clock I originally made before adding the back doors to the rest of the Bracket Clocks.

In the pictures following, you will see parts of both clocks and the descriptive material accompanying each picture. All the woodworking was done at home and the molding was formed with molding cutters that attached to my 10" saw center post.

Picture #1, is of my original clock, all the trim (brass work) on each clock, I had sand casted from some old clock parts that struck my fancy. The dimensions of the clocks are: 13-1/2" tall, 8-1/2" wide, and 6" deep. Each clock may have slightly different movements, however, they are all eight day time and strike. All look the same excepting for no back door on my original creation.



Picture #2, while the dials were made some 40 years ago, I still remember how they were done. (I never knew you could buy dials from supply houses and was too stupid to ask Fred Breiting.) In those early days, offset printing was coming into prominence. The pictured dial was photo copied from a book that had English Bracket Clocks and was made as an offset plate, ready for printing. I then copied the spandrels on gold paper from another dial in the book and had them printed. After cutting out the spandrels with a circular blade for that purpose, I added gold crinkled paper in the center and pasted everything in place. I then cut down the offset plate to fit the inside frame of the case. I guarantee you, I had the only dials in the world made that way.



Picture 3, shows the Seth Thomas movement. If you look closely, just above the gong assembly, you can see the lower portion of the movement that holds the springs that power the clock. On this movement, you did not have to take it all apart to either change or work on the hole end springs. After it was let down for disassembly by removing the lower brass portion you could access the springs. Not all time and strike were made that way.



The top of the case, the cast brass handle and woodworking below the handle was all done on the saw and with the molding set-up cutters. All the above pictures are of the original clock that is on my breakfront in the living room.

Picture 4, is a side view of the Bracket Clock at my sister's home; the sides are cut out with brass wire netting to allow the sound of the gong pealing, loudly and clearly to be heard.



Picture 5 shows a different Seth Thomas movement, and the missing back door from my original Bracket Clock creation.

I may as well show where my home-made Bracket Clock has resided for many years. This cluttered breakfront was made by me shortly after we moved into our new home in 1961. Made of white pine in two parts, it was painted with French aAntique white by a master painter.



The closed doors on top hide a lot of glassware; the six doors below with a shelf across the width hold many dishes, trays, and other paraphernalia that have not seen the light of day for many a year. We did so much entertaining when Evelyn was well and alive. The scattered pictures recall many family members now gone. ■



Jeff Slobodian



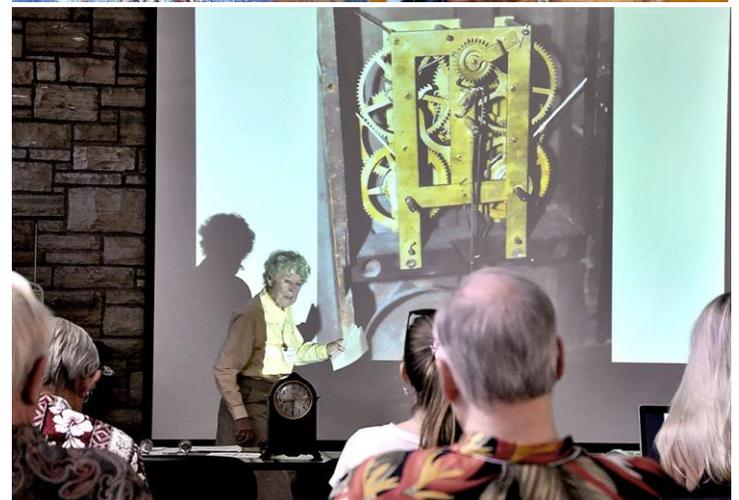
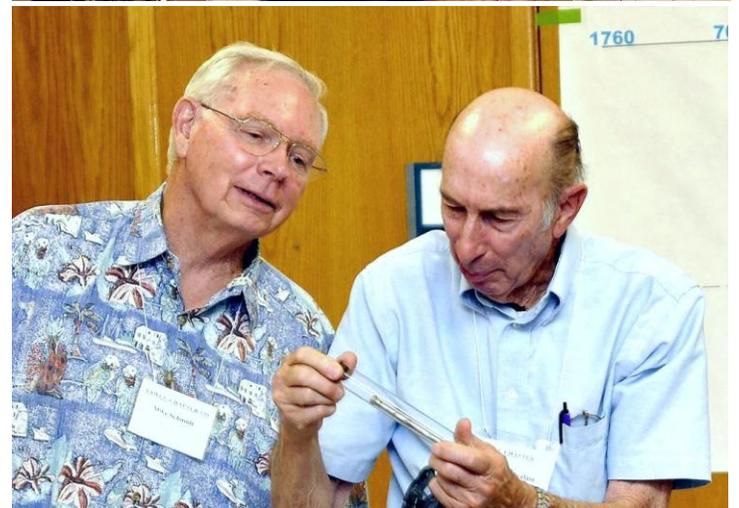
Jeff is a friend on mine that fits the category of “One of the Most Amazing People I Have Ever Met”. He has an enormous passion for collecting! However there is no shortage of that passion in our club and that is what makes the club so much fun.

He was born in Valley Forge, PA where George Washington struggle for the fate of our nation. He attended college at Oglethorpe College in Atlanta Georgia and graduated with a BA. He married Anita Tracey who he met in Pennsylvania. They do not have any children. He moved to Ojai about twenty years ago.

Jeff owns a small factory, “J W Winchester Co.” in Ojai where he builds “Turn of the Century” display cases. I have visited his shop and these cases are unique, custom built, with all types of curved glass, making each one a unique work of art.

His interest goes far beyond clocks, of which he collects electric clocks, as well as unusual weight and spring driven clocks. He collects and restores antique motorbikes, early bicycles, boy's rifles, folding rifles, early pistols and victrolas.

Jeff has been in the NAWCC since 1975 and was a member of Chapter 1 of the NAWCC. Many members of our club have a marvelous clock that Jeffery picked up in some unique place of the world. He was buying from eBay before most of us knew what the internet was. The most favorite electric clock that I have, a most unique one, came from England as a result of his eBay purchases. ■



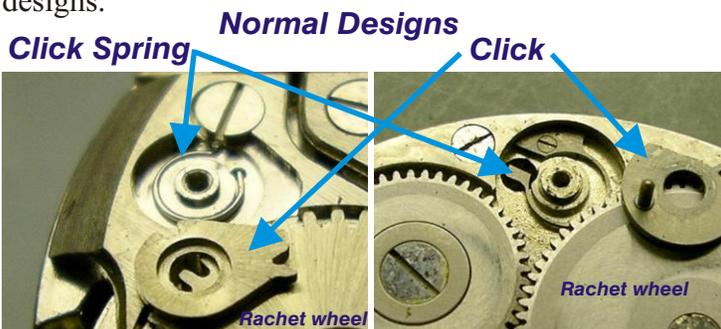
Tales From the Bench

by Ferdinand Geitner

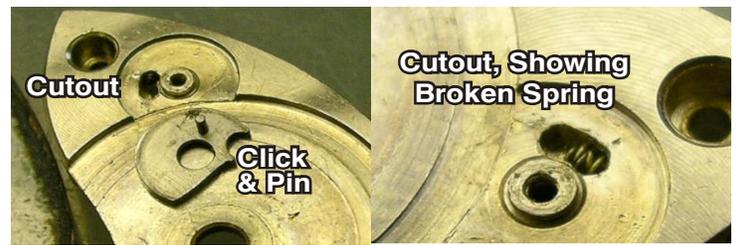
The "Norm"

The norm, or what is considered normal, certainly does not apply to Horology. I've been working on watches of every kind for over 40 years and still find perplexing designs. There seems to be no limit to Watch & Clock Makers ability to find a different way of doing things.

The normal way to wind a watch is to turn the Crown which by some means rotates the Ratchet Wheel and winds the spring. To stop the Ratchet wheel from going backwards is the function of the click and to keep the click pushed into the Ratchet wheel it has a click spring. See pictures of "normal," common Ratchet designs.



Then there is the one where one says "where is the click spring?" Especially when it is broken and does not show where it supposed to be! After some detailed examination and searching it became apparent. Someone decided to drill a hole from the side into the barrel bridge just below the click, insert a coiled spring with a diameter of 1 mm, then locked it in place with a recessed screw. The click has a longer pin fitting into a cutout in the barrel bridge, catching the spring. So, in fact, it's a hidden spring but it does its job perfectly when it's the correct length. This one had one coil broken off and that was just enough to make it inoperable.



Stretching the old click spring is not an option as it would settle back to its original length. There are two solutions, replace the spring or insert a short plug under the screw (effectively making up the lost space of the missing coil) which pushes the spring towards the click pin. The other option is replacing the spring, but where would you get a spring for this unusual antique 8 day pocket watch design, with no name or caliber number, or where could you find a generic spring of that thin size? After some thought, the answer came to me. From a spring bar! Brake a spring bar in half and you'll find a nice, thin spring inside. There are different thicknesses of spring bars available which provides different thicknesses of thin, long springs.



Another anomaly was the setting mechanism of a very nice (possible Patek designed) pocket watch. "Normally" they are "stem set" or "Lever set". This one was lever set and the usual operation is to wind the watch with the crown and then pull out a lever at the side of the dial to set the time, then push the lever back into place. Often it's hard to pull the lever out and sometimes it jumps back before one finished setting the time. This one would not do that! One could pull out the lever to set the watch and there was no accidental jumping back, it would not push back to disengage the setting mechanism, the lever was locked and it was not easily apparent how and where.

This pocket watch was designed in such detail and precision that it had a built in automatic release mechanism which disengaged the setting lever by closing the front cover (see picture). It could not be pushed back manually. ■





CHAPTER 190 NEWS



In October, Chapter 190 will hold its regular monthly meeting at the Santa Barbara courthouse. Private tours of the Courthouse and the Clock Gallery will be provided, as well as lunch, all at no charge. This will be a special day, by invitation only, for chapter members, family and invited friends. Please mark Sunday, October 21st on your calendar for this special event.

Only a few openings left. RSVP is a must so that we can plan seating and lunch. Contact Mike Schmidt to reserve space. Phone: (805) 988-1764
E-mail: EagleCreekClocks@msn.com

The next Meeting & Mart for Chapter 190 is Sept 16, 2012

Sellers may start setting up at 11:30

The Mart is open from 12:00 til 1:15

The Meeting starts at 1:15

PROGRAM

"The Watch Factory"

Presented by Dave Coatsworth

SHOW & TELL

Letter "K", Krober, & "S" Swatch

This Month's Mini-Workshop

At 10:30AM,

"Identification & Repair of Wood Works Clocks"

This will be an open forum, moderated by
George Antinarelli, Virginia Norwood,
Bill Robinson & Paul Skeels

THE WORKSHOPS ARE ALWAYS FREE!

*If there is a topic that you would like to learn about,
just mention it at the workshop. We are always looking
for good topics for the workshops.*

EDUCATIONAL OPPORTUNITIES

The following workshops will be scheduled for 2012 and 2013:

Sherline Lathe Workshop - Intermediate tool making.
Instructor: Ken McWilliams (Date to be determined)

FSW 301 Beginning Pocket Watch Repair Workshop-
December 7-10, Instructor Ferdinand Geitner,
Contact Mike Schmidt 805 988 1764
email: eaglecreekclocks@msn.com

FSW 302 Beginning Wrist Watch Repair Workshop
-January 11-14, 2013, Instructor Ferdinand Geitner,
Contact Zaki Salahuddin 805 654-8552
email: phoenix@cimm.net

FSW 101 Beginning Clock Repair, Dates to be
announced, Instructor Lex Rooker
Contact Mike Schmidt 805 988 1764 email
eaglecreekclocks@msn.com

F510 Clock Camp I- This is 2 day course for students
who have completed the F101 and 102 and want a
Refresher course of that material

F511 Clock Camp II- This is a 2 day course for students
who have completed the 103 and 104 and want a
refresher course for that material

***Suggestions for chapter 190 workshops,
demonstrations, or programs are always welcome.
Contact any board member with your ideas.***

Mart Note:

Ernie Jenson and George Antinarelli will bring a new batch of items from Jim Ingersoll's workshop, and Dave Coatsworth will be adding additional watch and clock material from two recently acquired estate lots to his mart tables.

CLASSIFIED PAGE

This page is dedicated to advertising for Chapter 190 members. It is, of course, free to members.

SERVICES OFFERED

The Montecito Clock Gallery

Restoration, repair, sales of clocks and watches.
Ferdinand Geitner, mbhi, owner and operator
Now located at 1187 Coast Village road, unit 10a
Montecito (one block from old site)
(805) 565-9097

The Clock Gallery

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Serving Ventura County and More . . .
Expert Repair - Service - Restoration
Grandfather - Wall - Mantel - Marine - Atmos
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theclockgallery@roadrunner.com

The Tic Toc Shop

**Clock
Repairs,
Restorations
& Appraisals.**

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Jorge Montoya

Complete Watch Service Center

Repair & Restore all American & Swiss watches.
12 years as a Rolex technician. We maintain a
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PACIFIC COAST CLOCKS

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Sales and Restoration of both new and antique
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Monday through Saturday 10:00 to 6:00 pm.

Tel. 805-650-8800

FOR SALE

WATCH REPAIR TOOLS & MORE!

I will have a huge selection of watch repair
tools and other items from my latest estate
buy at the Chapter 190 meeting.

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dave@daveswatchparts.com



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Precision electronic timing tools for clock and
watch repair with many unique features. Prices
start at \$250. Full information is on the website:

www.WatchTimer.com

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Santa Barbara, CA 93110
(805) 687-5116

WANTED

I just acquired a very nice wall clock case.
Unfortunately, that's all I have.

I need a movement, weights and pendulum.
The pendulum should be one meter and the
movement should have a true seconds hand.

Ralph Napolitano, e-mail: RalphNapolitano@msn.com
Ph: 805 509-2530

URGENTLY NEEDED, VISIBLE ESCAPEMENT MOVEMENT

French type-platform escapement (no pendulum)

Winding hole spacing of 38.9 mm, (1.53")

Repairable, other details available on request.

Bob Reichel, welchdoc@yahoo.com **Ph: 1-206-364-7374**

- Chronometer -

Hamilton 21 Marine Chronometer in running condition, with
inner box and gimbals; outer box not essential.

Please contact: Giorgio Perissinotto

E-mail: giorgio@spanport.ucsb.edu

Antique French 2 or 3 dial calendar clocks.
Antique English 2 or 3 gear-train skeleton clock.

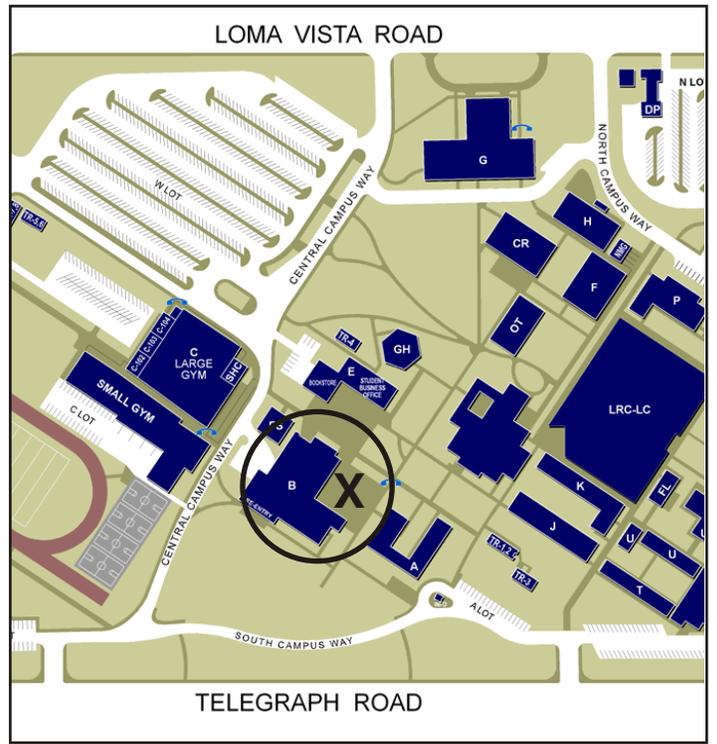
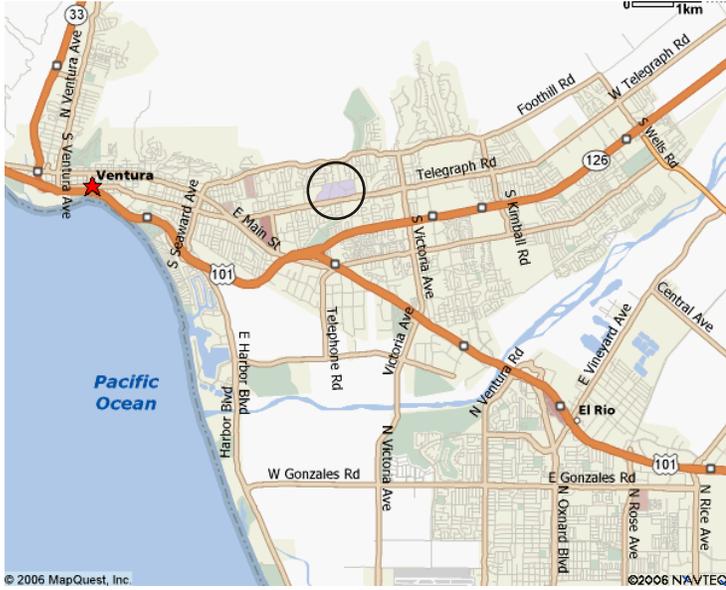
Loren Miller, **Pacific Coast Clocks**

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Located in Firehouse Plaza (Main St. & Telephone Rd.)

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The Chapter 190 meetings are held the third Sunday of each month. (No meeting in December)
 We will meet in the cafeteria on the Ventura College campus. The cafeteria is located in building "B", east of the gym and athletic field.



September 2012 Issue

**NEXT MEETING
 SEPT 16**



Chrono Times
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 Northridge, CA 91325