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The National Association of Watch and Clock Collectors, Inc.

Philadelphia Chapter One

Chartered November 1, 1943

The next Chapter One Meeting will be held on:

May 7, 2017

At the

Rodeway Inn

969 Bethlehem Pike

Montgomeryville, Pa. 18936 215 699 5113

The Speakers for the May 7th Meeting:

The Luncheon Speaker: George Thomas. His topic will be "restorations of Very old time pieces, 200 to 500 years. Some of these pieces were "Beyond hope." "Restoration of the impossible." "Beyond repair," or " The resurrection of a Time piece."

The Workshop Presenter will be Al Dodson. His topic will be:" Clock and Watch Escapements"

Silent Auction: Bring in those items you really don't need and convert them into cash. This can be done very easily and cheaply on our Silent Auction Table or on our one or Two Item Sales Table.

If you haven't paid your dues for this year you will no longer receive the Newsletter nor will you be able to advance register for Meetings or be able to reserve Mart tables.

One Day Class for May b6th 10:00 AM to 4:00 PM

The One Day Class will be on "Repairing the American Kitchen Clock Movement". The class will involve: Examining the Movement, disassembly and cleaning the Movement, Mainspring removal and cleaning, and reassembly. Participants should bring the following tools: gloves, safety glasses, a screw driver (Flat Blade), a small vise, a bench light, a pair of small pliers and any other tools they think necessary. For participants who don't have those items, they will be provided by the instructor.

Table Holders: As we saw at the last meeting, it was a bit of a squeeze. Space is limited; therefore it might be advisable to order your tables as soon as possible. The Rodeway staff is going to see if they can provide more room for us in the future, however, that may take some time. Unfortunately, Walk Ins might be at a disadvantage when they try to get tables at the last minute.

Also if table holders have not filled their tables by 9:30 or 10:00 o'clock their tables might be resold to someone else. Late comers and Walk Ins may find themselves relegated to the Lobby where only 6 foot tables will be provided.

Interesting Facts about Time and Clocks

1. "o'clock" is a contraction of "stroke of the clock" and comes from 15th century references to medieval mechanical clocks. – . Clockwise and counterclockwise were originally sun wise and widdershins before clocks were common 4. Due to changes in local gravity, a pendulum clock accurate at sea level will lose around 16 seconds per day if moved to an altitude of 4000 feet. –

2. The clock's hands moving 'clockwise' were intended to imitate the way the shadow on a sundial in the Northern hemisphere moves during the day. . In USA, time zones as we know them were first established by the railroad industry during 1883. Before that, every town kept its own time based on the sunrise and using a central clock. This made scheduling trains nearly impossible, necessitating a standardized time. –

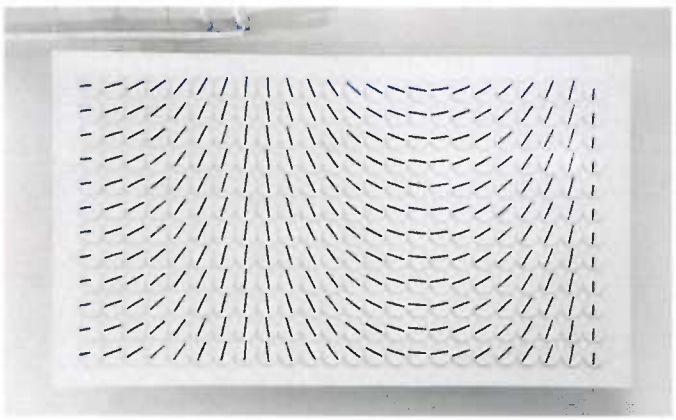
3... The clock's hands moving 'clockwise' was intended to imitate the way the shadow on a sundial in the Northern hemisphere moves during the day.

Up Coming events for Chapter One

1. **The Summer Picnic will be held on July 15th at Merritt's Antiques from 9:00Am till 3:00PM a Newsletter will be sent out with all of the particulars.**
2. **Chapter One is the Host Chapter for the 2017 Mid Eastern Regional. It will be held at the York Expo Center on October 14th and 15th. You will find a registration form in the May-June issue of the Mart. However, you can sign up at this Meeting as well. , Registration forms and a layout of the York Expo Center will be available so you can pick out the table location you want.**
3. **The dates for the fall Meetings have not yet been determined. As soon as they are you will be notified.**

A truly unique Wall Clock

On display at the Cooper Hewitt Museum in New York City is a wall clock that will fascinate you. It isn't an ordinary wall clock; it shows the time by the rotation of the hands of 288 small clocks. It is hypnotizing the way the hands of the various clocks rotate and create captivating designs then transform those designs into the correct time. To witness this phenomenon go to the Cooper-Hewitt Museum web site and you can see it in action. The address is
https://www.youtube.com/watch?v=46hZw_waTPU



This is a photo of the clock itself. However, this doesn't begin to do it justice when you see it in action. Do yourself a favor and check it out.

Registration for the Meeting: May 7, 2017

Advanced Registration (All participants must pay these entrance fees to the MART)

NAWCC Member/ Spouse / Guest $18.00 per person #_____@ $18.00 = $_____

Member's Child (Age 5 – 17) $9.00 per child # _____ @ $9.00 = $_____

I WILL STAY FOR LUNCH _____ I WILL NOT STAY FOR LUNCH _____

MART TABLE: $20.00 EACH #_____ @ $20.00 = $_____

EARLY BIRD (This fee is in addition to the $18.00 /person entrance fee)

1 or 2 Members only + Spouse or Children $15.00 #_____ @ $15.00 = $_____

Names for the Badges (Please Print Clearly)

1) _____ NAWCC #_____

2) _____ NAWCC #_____

I WOULD LIKE TO SIGN UP FOR THE "One Day Class" $15.00/person $_____

Chapter One Membership Dues 9/1/2016 to 8/31/2017 $10.00 per year $_____

TOTAL $_____

Phone # ( ) _____

Mail to: David Gorrell 1179 Dicus Mill Rd. Millersville, Md. 21108

By filling out this form the payee/s agree to adhere to all Chapter One NAWCC, Inc., Mart Room Rules and By Laws.

NO REFUNDS AFTER 12 NOON THE SATURDAY one week PRIOR TO THE MEETING, April 29, 2017

Meeting Schedule: Saturday May 6th "One Day Class -" American Kitchen clock repairing"

The Class Starts at 10:30 ends at 4:00PM

Sunday May 7th General Meeting

7:30 A.M. Registration Opens –

7:30 to 8:30 A.M. -- Mart Room set up Table Holders and Early Birds Only

8:30 A.M. -- Mart Room opens to all other registered participants

10:30 ARE Best in Show Contest

11:15 -- Workshop " Al Dodson – Clock and Watch Escapements"

12:00 -- Noon Mart Room Closes. No Security, the Mart Room must be cleared
1:45 Luncheon Speaker: George Thomas

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The most famous clock in the world goes in for repairs: The distinctive bongs of Big Ben could be altered after refurbishment, experts have said. Britain's best-loved bell will soon fall silent for several months as part of a three year £29 million revamp, to repair the Elizabeth Tower and clock. Officials have warned that the tower clock is in such a 'chronic state' that it may fail if work is not carried out urgently. But experts at the University of Leicester, who have recently carried out laser vibration mapping to find out how the 13.5 tonne bell produces its characteristic sound, say that renovation work could alter the frequency of soundwaves, and length of the bong. Removing accumulated soot or making new repairs to the crack in the bell may change its tone, while plans to renovate the structure of the tower, which include refitting the frame which holds the bell, could impact how long the bong travels for.

Big Ben has also never been tuned, so restorers in future may take the opportunity to make the bell sound closer to what was originally intended, although there are no plans to tune the bell at present. When it was originally fitted by Whitechapel Bell Foundry the clapper was too large, causing a crack to appear and leading to its peculiar dissonant sound. Consequently, it has not rung true since 1859. Amy Stubbs, General Manager of the Advanced Structural Dynamics Evaluation Centre at Leicester University said: "The sound of Big Ben is entirely unique and made up a number of different frequencies, all of which make it quite easy to identify when you hear it on the news, or the radio. We all know the sound intimately. "If you make any changes to a bell then that will alter its sound, for example the crack is having an effect on the way it vibrates, which is why is has a dissonant sound, unlike say that of St Paul's Cathedral. "It wasn't tuned, even when it was new, so if they do any tuning or take any metal off then the sound could change. If it's very dirty they may remove the soot. "And if they are rebuilding the belfry then that could change the constraint that the bell moves in and so that could potentially have an impact. If you change the pressure of hitting the bell then it will vibrate in a different way, and perhaps change how long it rings for. "It's likely to be very small difference in frequencies, maybe just to the human ear."

A spokeswoman for the House of Common said: "The crack in the bell is what gives Big Ben its distinctive sound, and therefore we do not intend to change it." The bell already has an unexpectedly high sound for such a large casting, which experts believe was the result of an amateur designing its shape. It will be the third time that the chime has not rung out over London for 150 years, having previously stopped for nine months of repairs in 1976 and six weeks in 2007. Restorers want to repair the clock and fix cracks in its water-damaged masonry, cast-iron roof and belfry and the frame which holds the bells. The refit could see the clock faces stripped of the black and gold paint that was applied in the 1980s to return them to their Victorian appearance, of green and gold paint. To find out the frequencies which produce Big Ben's sound, the Leicester team used a measurement technique called 'laser Doppler vibrometry,' which involved creating a 3D computer model of the bell and then using lasers to map the vibrations in the metal of the bell as it chimed. They measured four of Big Ben's chimes, taking place at 9AM, 10AM, 11AM and 12 noon. Martin Cockrill, a Technical Specialist from the Department of Engineering at the University of Leicester, who leads ASDEC's measurement team said: "You cannot just glue sensors to a national treasure such as Big Ben. Our ability to do the whole thing quickly without touching the bell was key to the whole project. "Aside from the technical aspects one of the most challenging parts of the job was carrying all of our equipment up the 334 steps of the spiral staircase to the belfry. "Then to get everything set up before the first chime, we were literally working against the clock.

A spokeswoman for the House of Common also said: "The bells in the Elizabeth Tower have been cleaned on previous occasions, most recently in 2009, and this has not resulted in any perceptible change in the sound. Furthermore, the crack in Big Ben is what gives the bell its distinctive sound, and therefore we do not intend to change it, whether by repairing the crack or by 'tuning' the bell."

The findings of the mapping project will be revealed during a BBC documentary entitled 'Sound Waves: The Symphony of Physics', which will be broadcast at 9:00PM on Thursday 2 March on BBC4 and is hosted by Dr Helen Czerski

Interesting facts about watches

Though there are so-called "atomic watches" that rely on radio signals produced by the US government to stay accurate, the Cesium of 133 leverages a self-contained source of Cesium that generates its own time signal completely independent of any other source.It's billed as the most accurate watch on the planet and it lives up to all expectations.

Tissot introduced the first mass-produced pocket watch as well as the first pocket watch with two time zones in 1853 and the first anti-magnetic watch in 1929–30. The first known wristwatch with a perpetual calendar was manufactured using a pendant watch movement by Patek Philippe (about 1925). About 1930 Emile Borer made the first self-winding wristwatch whose unidirectional rotor swung in a complete circle: the Rolex Perpetual.

The Best In Show Contest: Feb. 27th

There were two very interesting pocket watches entered in this meetings contest. One submitted by Dave Strudler and the other by Dale Sutton.

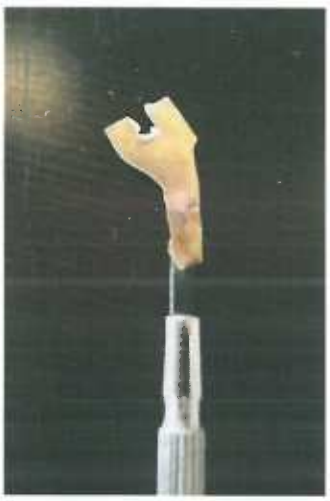
It was a tough decision by the membership but Dale Sutton's entry won in the end.

In the clock category there was only one entry, an unusual German Mantel clock with an unusual calendar movement. The clock had a very French look about it but after a close examination of the movement it was determined that it was probably German and manufactured around 1890.

To the left is the clock, unfortunately it had no markings indicating who was the maker.

To the right is the movement and calendar mechanism.

Looking closely you can see that there seems to be no connection between the clock movement and the calendar mechanism. But there is a string that runs behind the board that serves as the movement mounting and as the clock runs it lifts the tripping lever on the calendar.



In the "other" category there was also only one entry; a device for attaching "E" clips to slotted posts in Cuckoo Clocks, Hermele, Sligh, and other newer clocks. This devise was constructed using an old wrench and to it was soldered a brass spring. The brass spring holds the "E" clip in place while it is being pressed into place.

The members enjoying the Workshop on "Ball Bearing Bushings". This technique is both new and effective, but it is also very controversial. The method used for installing these types of bushings was demonstrated, and explained. The primary difference between these types of bushings and the traditional solid bushings is that the ball bearings are glued in place with "Loctite" rather than being driven into place.

Host: Philadelphia Chapter 1

Mid-Eastern Regional

October 14 & 15, 2017

York Expo Center, 334 Carlisle Ave., York, PA 17404

Sponsored by Chapters 1, 11, 12, 32, and 34

Saturday, Oct. 14

Registration opens: 7:30 a.m.
Doors open for tableholders and early birds: 8:00 a.m.
Mart open for all: 9:30 a.m.
Exhibit: *Ansonia Clocks and Watches*
Opens: 9:30 a.m.
Silent auctions will be held throughout the day
Lecture/Workshop #1: 10:30 a.m.
Lecture/Workshop #2: 2:00 p.m.
Mart closes: 5:00 p.m.

Sunday, Nov. 15

Registration opens: 8:30 a.m.
Doors open for tableholders and early birds: 9:00 a.m.
Mart open for all: 9:30 a.m.
Lecture 3: 10:30 a.m.
Super silent auction: 1:00 p.m.
Mart closes: 3:00 p.m.

The Mart will be open to the public: Saturday, 9:30 a.m. to noon.

Entrance fee $40 per person. Good for both days and includes a 4-month introductory NAWCC membership, spouse $25.

Sunday: 9 a.m. to noon. Entrance fee $15, spouse $15

Make all checks payable to:
2017 Mid-Eastern Regional and mail to:
Ken Garrett: 121 Rose Valley Road, Media, PA 19063-4202
Email: keng@garrettliners.com

We do not have an official hotel. There are many hotels and motels nearby which can be viewed at www.yorkpa.org

All NAWCC Mart Rules and regulations are to be observed by all members and guests for the duration of the Regional. Only Horological items may be displayed in the Mart Room. Mart tables are limited to NAWCC members only. Tableholders (limited to two attendees per table) are responsible for the security, safety, and authenticity of their merchandise. The Mid-Eastern Regional Committee, NAWCC, Inc., or sponsoring Chapters are not responsible for any loss, injury, or tort during the meeting.

Name_____ NAWCC # _____

Address _____

_____

City_____ State_____ Zip Code_____

Phone_____

Email_____

Name of Co-tableholder _____

Children, Guest(s), or Spouse_____
(Those sharing tables or with multiple registrations must submit all registration materials in the same envelope.)

Registration Fees

Advanced Registration	@ $35 each	X_____ = _____
Spouse	@ $20 each	X_____ = _____
Walk-In Registration	@ $40 each	X_____ = _____
Guests or Spouse	@ $35 each	X_____ = _____
Sunday Only	@ $20 each	X_____ = _____
Table (8 foot)	@ $40 each	X_____ = _____
(No more than two attendees per table)		
Walk-In Tables	@ $45 each	X_____ = _____
Early Birds (Both days)	@ $ 20 each	X_____ = _____
(This is in addition to the Registration Fee)		
Children 16 and under		Free
Electrical Hookup	@ $50 each	X_____ = _____

Total: