



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:

**June 12, 2016 at the**

**Williamson Banquet and Event  
Center**

**500 Blair Mill Rd., Horsham, Pa.  
19044**

**215 675 5454**

### **The Speakers for the June 12<sup>th</sup> Meeting:**

**The Luncheon Speaker is Stan Zukin. His topic will be: “Collecting Pocket Watches with Decorative Cases or Unusual Dials”**

**The Workshop Presenter will be: Gregg Perry. His topic will be: “Gilding in France from the 15<sup>th</sup> to the 19<sup>th</sup> centuries”**

# Registration for the Meeting: June 12, 2016

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 \$10.00/person \$ \_\_\_\_\_

Chapter One Membership Dues 9/1/2015 to 8/31/2016 \$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, June 4, 2016**

Meeting Schedule: Saturday June 11<sup>th</sup> "One Day Class"

Starts at 10:30 ends at 4:00PM 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 – Workshop ” ”

12:00 – Noon Mart Room Closes. No Security, the Mart Room must be cleared

12:15 to 1:45 – Luncheon Speaker,”

Dues for the 2016—2017 year will be due on September 1, 2016. You can mail in your \$10.00 dues or you can include them in your June 12<sup>th</sup> Meeting Registration.

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.

The next Meetings for Chapter One will be:

Summer Picnic: At Merritt's Antiques Douglassville, Pa. T.B.A.

September: TBA at Williamson's

Mid Eastern Regional: Sat. Nov. 5th & Sunday Nov. 6th

York Expo Center, York, Pa.

December: TBA at Williamson's

### Financial Report for the Sept.1, 2014 to August 31, 2015 F.Y.

Meeting Income	Table Holders	\$8,985.00	Meeting Exp.	Holiday Inn	\$14,202.50
	Advanced Reg.	\$5,209.00		Newsletter	\$1,561.67
	Early birds	\$671.00		Badges	\$219.75
	Walk Ins	\$6,417.00		Advertising	\$344.53
	Coffee	\$168.00		Speakers	\$1,575.00
	Donations	\$276.00		Registrar	\$600.00
	Silent Auctions	\$9.00		Meeting Print	\$382.35
	One day Class	\$470.00		Lodging,Meals	\$1,086.55
	Total	\$21,156.00		One day Class	\$1,349.74
Non Meeting Income Inter. & Dues		\$3,100.00		Best In Show	\$ 145.40
Non Meeting Expenses		\$7,260.11		Total	\$21,467.49

Profit or Loss for this F.Y. (\$4,898.92)

**Council Officers 2014 – 2016**

**President Michael Allen**

**30 W. Gravers Lane Philadelphia, Pa. 19118**

**215 242 5923 Fathertime724 @aol.com**

**Vice Presidents**

**Allen Richardson**

**George Morrison**

**610 770 9854 [arichard@cedarcrest.edu](mailto:arichard@cedarcrest.edu)**

**610 384 0388 [watchwldr@verizon.net](mailto:watchwldr@verizon.net)**

**Secretary / Treasurer**

**David Gorrell**

**1179 Dicus Mill Rd. Millersville, Md. 21108**

**410 987 5915 443 694 4972 DJGCLOCKS @ AOL.COM**

**Directors**

**2012 – 2016**

**2014 - 2018**

**Charlie Buttz**

**Lee Davis**

**570 595 3306 [Shelters@ptd.net](mailto:Shelters@ptd.net)**

**717 752 7267 [davisleeh66@aol.com](mailto:davisleeh66@aol.com)**

**Colleen Houtz**

**Donald Buck**

**610 921 9572 [choutz@comcast.net](mailto:choutz@comcast.net)**

**301 990 2461 [clockdoctor.buck@gmail.com](mailto:clockdoctor.buck@gmail.com)**

**David Houtz**

**Terry Addison**

**610 921 9572 [choutz@comcast.net](mailto:choutz@comcast.net)**

**215 285 0976 [eta348@yahoo.com](mailto:eta348@yahoo.com)**

**Ken Garrett**

**Jeffrey Fox**

**610 565 5029 [keng@garrettliners.com](mailto:keng@garrettliners.com)**

**215 672 6947 [jeffrey.w.fox@gmail.com](mailto:jeffrey.w.fox@gmail.com)**

**Thomas Fluck**

**610 873 1784 [bedbugrow@mac](mailto:bedbugrow@mac)**

**The election for new Council Members will be conducted at the June 12<sup>th</sup> Meeting.**

## HOROLOGY IN HOLLYWOOD

The next film that I will be discussing is "National Treasure" (2004) starring Nicholas Cage. This is an adventure story, where Ben Gates (Cage) is searching for the Treasure of the Knights Templar. There are various clues of the location, from the Founding Fathers, including an invisible "code" on the back of the Declaration of Independence. As he follows these clues he is pursued by the FBI and Treasure Hunters. Along the way, horology takes part in one of the clues.

The code on the back of the Declaration of Independence corresponds with the Silence Do Good letters written by Benjamin Franklin. When they decipher the code, it instructs them to observe where a shadow crosses the house of the Liberty Bell, Independence Hall. The particular time of the shadow is found on the back of a \$100 bill. It has a painting of Independence Hall, from 1780, painted by a friend of Benjamin Franklin. The time on the clock tower is 2:22. Since it is almost 3 o'clock they initially think that they have missed their opportunity. But one of the team realizes that they in fact do still have time. As it turns out, because of daylight savings time, they still can make it, in time. Although Franklin was the first to suggest the concept, DST did not become standard until after WWI. So at the appointed time, they watch for the shadow and mark the location. Ben climbs over to it and discovers a pair of eye-glasses with various colored lenses. These allow them to see further clues to the location to the treasure. It directs them to Trinity Church, at Broadway and Wall St. in New York City. To see who gets to the treasure first, and if Gates can allude the FBI, watch this film. Horology is once again a key component to a film.

### **Watch development timeline 1500-1975**    Engineering and Technology Magazine

1500-1600 – First 'clock-watches' to be worn, in the German cities of Nuremberg and Augsburg

1600-1611 – Invention of mainspring

1657-1765 – Invention of the balance spring; improvements to escapement, soon to be replaced by the cylinder escapement (1695) and duplex escapement (1724). Volume production of watches begins.

1765-1800 – invention of the bimetallic temperature compensated balance wheel helps to fix temperature-related errors in marine chronometers, the development of which influence watch design.

1850-1859 – Watch adoption boosted by developments in other technologies, such as mass passenger transit: large numbers of railway operators, train crews, and passengers had to have transportable personal time-keeping for the first time.

1860 Key winding starts to be replaced by keyless winding, where the watch was wound by turning the crown.

1876 Lever escapement invented. 1880-1900 Constant Girard (Girard-Perregaux) develops wristwatch concept, initially for 2,000 German naval officers. Wristwatches were mostly worn by women until 1914.

1903 – Process for the production of artificial sapphire makes watch jewellery less expensive.

1904 – Cartier develops a wristwatch for aviator Alberto Santos-Dumont to use while flying.

1908 – Watchmaker Eterna develops alarm watch.

1914-1918 – Wristwatches gain in usage among men, largely as a result of standard-issue 'trench watches'.

1923 – John Harwood develops the self-winding watch mechanism.

1925-1930 – Wristwatches rapidly out-popularise pocket watches.

1932 – Surrealist artist Salvador Dalí exhibits 'The Persistence of Memory' at the Julien Levy Gallery, featuring the first of his 'melting' watch motifs.

1957 – First electric watches launched in US by Hamilton Watch Company (Hamilton 500) using moving coil system.

1961-1969 – Omega wrist watches first worn by Apollo Program astronauts.

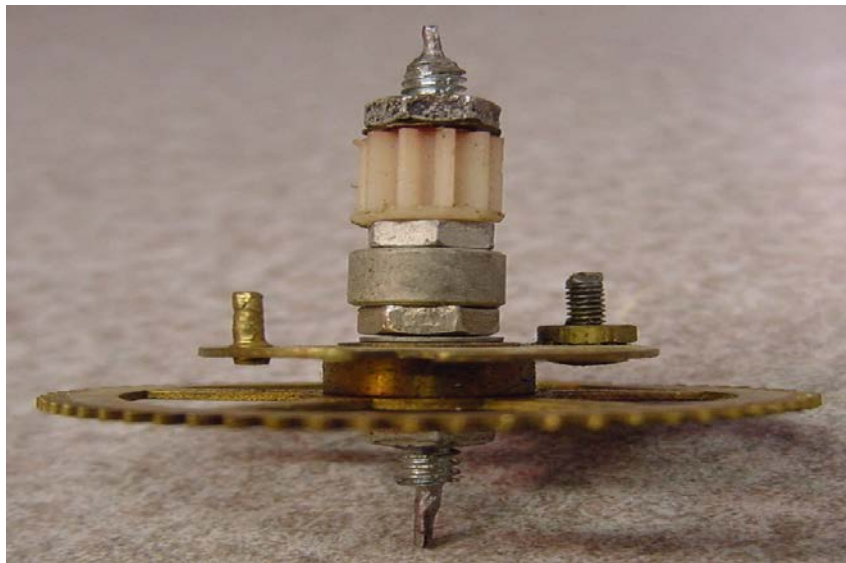
1965-1967 – First electronic quartz watch prototypes made by the CEH research laboratory, Switzerland.

1969 – Seiko Quartz-Astron (35SQ) becomes first quartz watch to enter commercial production.

1972 – Pulsar, first digital electronic watch with an LED display, launches.

1975 – Texas Instruments starts to mass-produce electronic LED watches inside a plastic case.

## What is wrong with this repair?



Picture by Michael Gatney

It is hard to begin, there are so many problems and nonprofessional practices that it's difficult to pinpoint where the repair person went hopelessly wrong. Let's, for the sake of starting somewhere, begin with the arbor. It is obviously a badly turned down bolt. Notice that the pivots are not even close to being either a cylinder or highly polished. The material that was used for the bolt was not adequate for that purpose and is totally unacceptable for use as a clock arbor. It is not hard enough to withstand the pressures and wear that are commonly experienced in a running clock. Moving to the next egregious repair on this much abused third wheel, the lifting pin is a bolt, and it is threaded. The lever that slides off of this bolt as the wheel rotates, will rub against the threads, and in a very short time wear to the point that it will have to be replaced. The pinion, (hopefully it is the correct tooth count), is vinyl and probably came out of an electric or battery operated clock. This is beyond the pale in terms of professional clock repair. It is held to the arbor with a bolt and is probably spinning after the second or third winding of the clock. Tightening the bolts that act as spacers and hold down to

correct this will result in squashing the pivot and deforming it so that it will most likely bind when it comes in contact with the next wheel. Making a proper repair is not that difficult and would probably take about the same time as it took to cobble together this travesty. Turning a proper arbor with good pivots is quite simple on a lathe or even on a drill press. Driving a proper sized pin through the plate on this poor third wheel would be infinitely easier than finding a nut and bolt to fit the hole or, as most likely happened, making the hole fit the bolt. The vinyl pinion most likely took a good deal of time to locate and it would have been much easier to make a proper lantern pinion to replace the damaged or lost original one. It never ceases to amaze me the trouble these folks go to when it is easier and often cheaper to repair a piece properly. Wheel arbors or shafts are readily purchased at any of the numerous parts suppliers with pivots and pinions. Why that was not considered as an option I cannot begin to guess. However, one doesn't know the full set of dire circumstances that led to this type of repair. I can't possibly imagine what they might have been, but they must have been extreme, and I guess in the end we will never know. The only positive spin I can put on it is that it does serve as an excellent example of what NOT to do when repairing a clock.

### Interesting Watch tidbits: Engineering and Technology Magazine

Watches as we now know them could probably not have come into being without the invention of the mainspring, the spiral torsion spring of metal ribbon that is the source of the power in mechanical watches. Mainsprings appeared in the first spring-powered clocks in the 15th century, and evolved into early pocket watches by about 1600. Some credit the mainspring to German clockmaker Peter Henlein (1485-1542) circa 1511. Henlein was certainly one of the first craftsmen to make small ornamental 'taschenuhr' (portable clocks often worn as pendants or attached to clothing). However, some surviving examples show that spring-driven clocks had already been developed by the early years of the 16th century, so in respect to mainsprings, Henlein might have been a bit behind the curve.

## **3rd Annual Amity Clock & Watch Fair at Merritt's**

### **Saturday, July 30, 2016**

**Rain or shine: 9:00 AM - 3:00 PM**

- ◆ Open to the public 9:00 till noon
- ◆ Free admission & parking
- ◆ Informal mart to sell, buy, trade

**clocks and watches:**  
**50+ vendors of**  
**Horologically related items**

**Hosted by Merritt's Antiques**  
**with the support of the National Assn. of**  
**Watch & Clock Collectors**  
**(Philadelphia Chapt. 1)**

**1860 Weavertown Road**  
**Douglassville, PA 19518**  
**610.689.9541**

**... Located across the street**  
**from the Daniel Boone**  
**Middle School**



Calendar Clock... Chas. Feichtinger,  
Sinking Spring PA (ca. 1900)

Host: Philadelphia Chapter 1



# Mid-Eastern Regional



November 5-6, 2016

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

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

## Saturday, Nov. 5

Registration opens: 7:30 a.m.

Open for tableholders

and early birds: 8:00 a.m.

Mart open for all: 9:00 a.m.

**Exhibit: American Empire Clocks 1825-1865**

Opens: 9:00 a.m.

**Silent auctions will be held throughout the day**

Lecture 1: 10:30 a.m.

Lecture 2: 2:00 p.m.

Mart closes: 5:00 p.m.

## Sunday, Nov. 6

Registration opens: 8:30 a.m.

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: 12:00 p.m.

Mart closes: 3:00 p.m.

**Public will be invited Saturday and Sunday**

**Two \$200 tableholder cash prizes will be drawn Sunday**

Only tableholders setup and displaying are eligible to enter this drawing.

### Mail all registration forms to:

Ken Garrett: 121 Rose Valley Road.

Media, PA 19063-4202

Email: keng@garrettliners.com

### Hotel accommodations

Hotel accommodations can be made through the York County Convention and Visitors Bureau at 1.888.858.9675 or online at [www.yorkpa.org](http://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.)

\_\_\_\_\_ I will need assistance in unloading and/or setting up.

## Registration Fees

Advanced Registration @ \$35 each X \_\_\_\_\_ = \_\_\_\_\_

Walk-In Registration @ \$40 each X \_\_\_\_\_ = \_\_\_\_\_

Guests or Spouse @ \$35 each X \_\_\_\_\_ = \_\_\_\_\_

Sunday Only @ \$30 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:** \_\_\_\_\_



