



Presidents Report

Hi all,

Well it's a little over 3 months since my last communication and I am happy to report the club is running smoothly and tracking well.

The Christmas meeting was a great night and I would like to make a special thank you to Jim & Lydia Reaper for their kind donation of 5 great door prizes, (a selection of hampers and wine!)

All attendees received a raffle ticket and then we had the much anticipated draw , this really added a great festive feel to the night and kick started the celebrations.

The Christmas mart was open to the public for the first time this year and I must say it was a great success. (Our primary goals and objectives = increase awareness of society, increase membership, increase revenue)

High level summary:

155 general public paying customers attended @\$5 each = \$775

All 28 tables sold out @ \$40 each = \$1120

Raffle ticket sales income = approx. \$350

4 x New Members joined the society (approx. a 6% increase in membership)

4 Members renewed their membership on the day = \$320

After expenses (hall hire, advertising, printing, insurance, sundries, etc) we are still in front and made a profit but more importantly we increased awareness of our society and increased our membership numbers!

I would like to say "thank you "to all the volunteers who helped out on the day and to the "Mart committee" who worked for almost a year planning and preparing for this event and ensuring its success! (Chris Cosopodiotis, Bill DeKaste, Phil Gore, Mick Connolly)

On the theme of club promotion, we have been invited back for the fourth time, to showcase Horology at the "lost trades fair" in Kyneton on the Labour Day long weekend (9th -10th March 2019) After much interest in our display last year we have been invited back to the Model Engineer Expo again this year. These events rely heavily on the input of volunteers , however they do generate interest and more exposure for our society, so thank you to all the volunteers. (PS: Volunteers are the lifeblood of any successful club and are always welcome and needed, If you feel you can assist in any way, please come and see me.)

For those that don't know, our Vice President, Editor, and workshop tutor, **Fergus Forsyth** was involved in a serious car crash just prior to Christmas . This has resulted in Fergus having to rest, not lift heavy weights, and just let his back heal naturally over time (several months). Fortunately, the long term prognosis is good! but he still has limited physical capacity until the healing process is complete, On behalf of the entire AAHS membership, we wish you a speedy & full recovery

Regards

Mick Connolly

President AAHS

A note from the editors....

Apologies for the lateness of this newsletter, but as quite a lot of you know I (Fergus) have been recovering from a fractured back. Thank you for all the well wishes. The most recent doctors' appointment – the prognosis was that the back is healed. So you should be seeing me around more.



Don't forget to send in articles, photos if you have found them. Keep up the good work. Images and word documents are best, PDFs are a little harder to put in.

The AAHS Restoration and Conservation Classes



Tutors Mr. Vivian C. Kenney (currently on sick leave) and Fergus Forsyth

Restoration Workshops held on the 4th Saturday of each month

- **Saturday February 23rd**
- **Saturday March 23rd**
- **Saturday April 27th**

25 Central Road, Blackburn. (10-am to 4-30pm)

Every 2nd Saturday of each month General AAHS Workshop

(Clocks, Watches, Hobby Items, Fun Projects)
Drop in – have a coffee and a chat with other members

Graeme Germaine – Ph: 03 53678513

25 Central Road, Blackburn 10.am to 4.30pm

- **Saturday February 9th**
- **Saturday March 9 th**
- **Saturday April 13 th**



Members can utilize this hall for many Saturday activities. E.g. hobby sports/fun- Birthday parties meetings with friends- teaching new interests etc. It is your space to use and if you book ahead we will happy to make it available provided care is taken to stick to the usual times and clean-up of the hall after use.

END OF YEAR MART

Saturday 8th December 2018

In Blackburn south on December the 8th – horologist enthusiasts gathered...



Crowds of time enthusiasts wandered looking at the various clocks: table clocks, ornate clocks and other ticking timepieces



Carefully scouring through tables of alarm clocks, faces, barometers, clock making tools and texts.

It is wandering through a Horologists Bazaar.





Clocks displayed,
 Clock tools well cared
 for and clock books to
 skim read...

...it seems as though
 even the White Rabbit
 (of Alice's Adventures
 in Wonderland) has left
 his pocket watches
 hanging on display.



Upon closer inspection...





The End of Year Clock Mart was an occasion for various clocks, conversations, crowds of horologists, families, friends. It was welcoming new enthusiasts to the clock world and celebrating a year of time passing. It was an event



...that catered to the minds, hearts and the stomachs of its visitors!

TALKS/PRESENTATIONS

IF ANYBODY IS INTERESTED IN GIVING A TALK OR PRESENTATION FOR THE MEMBERS, WE'D BE DELIGHTED TO HEAR FROM YOU.

THESE TALKS OR PRESENTATIONS CAN BE ON ANY HOROLOGICAL ADVENTURES, OR ON A WEIRD AND WONDERFUL CLOCK RELATED FACT - TECHNICAL OR OTHERWISE; AS LONG AS YOU THE SPEAKER FIND IT INTERESTING.



**WE THE
AAHS
HAVE A
TABLE
AGAIN AT
THE**

LOST TRADES FAIR

**SATURDAY 9TH AND SUNDAY 10TH OF MARCH
KYNETON RACECOURSE, KYNETON**



WATCHES AND WRISTWATCHES

HELD: 20th November 2018, starting at 13:00 GMT - London, Knightsbridge

(https://www.bonhams.com/auctions/24630/?category=results#/aa0=1&w0=list&aj0=lot_number_asc&m0=0)



Lot 1

DANIEL DE SAINT LEU FOR GEORGE PRIOR, LONDON. A QUADRUPLE SILVER TORTOISESHELL CASED OPEN FACE CLOCK WATCH MADE FOR THE TURKISH MARKET - Circa 1790

Movement: Gilt full plate fusee verge, pierced and engraved balance cock, 3-arm balance, two polished steel hammers



striking on a bell, silver regulation with Turkish markers, No.3357.

Dial: White, black Turkish numerals, black outer minute track with Turkish five minute markers, blued steel beetle and poker hands. **Case:** Pierced and engraved silver inner cases, third tortoiseshell case with piqué work decoration, polished silver outer case. **Signed:** Movement and dust cover are signed Daniel De St Leu Watch maker to Her Majesty, dial signed George Prior. **Size:** 78mm.

Accompaniments: White metal chain, 2 keys

DID YOU KNOW?

A Swiss emigré, Daniel De St Leu is recorded as being active in London from 1753 until 1797. During this period he specialized in clocks and watches decorated for the Turkish market. In 1765 he was appointed Watchmaker to Queen Charlotte, wife of King George III.

Sold for £ 3,500 (AU\$ 6,213) inc. premium



Lot 4

GRANT, FLEET STREET, LONDON. A FINE AND HISTORICALLY INTERESTING 18K GOLD KEY WIND OPEN FACE CHRONOMETER POCKET WATCH USED AND OWNED BY THE EXPLORER JAMES WEDDELL. London Hallmark for 1811

Movement: Gilt engraved full plate, pivoted detent escapement, grotesque mask engraved balance cock, bi-metallic z-balance with large wedge form weights, helical balance spring, screwed Chaton jewels including the fuse, diamond end stone,

baluster pillars, No.3540. **Dial:** White, black Roman numerals, black outer minute divisions, subsidiary seconds at 6, gold spade hands. **Case:** Polished hinged, small cartouche with monogram to back, No.3540. **Signed:** Cuvette & movement signed Grant, case stamped LC for Louis Comtesse. **Size:** 53mm



DID YOU KNOW?

James Weddell (1787-1834) was introduced to life at sea from an early age when he first became apprenticed aboard a coastal vessel. After spending time forging a successful career both on merchant ships and in the Navy he was appointed to command the brig *Jane* in 1819. One of Weddell's most enduring legacies was his voyage into what is now known as the Weddell Sea where on the 20th February 1823 he successfully travelled more than three degrees of latitude further south than any ship had before. This equated to 214 nautical miles farther than the renowned Cook.

Weddell was particularly interested in scientific methods and although limited in his supply; he made good use of his nautical instruments, charting coasts and anchorages around the world. From the extensive records he kept it is known that he had three reliable chronometers - numbered 403, 820 and the current example of 3540. All three of these are recorded as deriving from James Murray of Murray and Strachan with the current example branded under the name of John Grant. His attention to detail is visible by observing the records he kept of Longitude noted on pages 239-276 of the accompanying text *A Voyage Towards the South Pole*. In fact throughout his report on that extraordinary trip the reference to chronometers show

just how heavily Weddell and his crew relied on their accuracy.

The provenance of the watch is further confirmed in *Chronometer Makers of the World* by Tony Mercer where on page 152 it states under John Grant (1796-1868) 'pocket 3540 (pocket with pivoted detent owned by Capt. James Weddell, the Antarctic explorer)'.

Sold for £ 18,750 (AU\$ 33,287) inc. premium



Lot 12

CZAPEK I SPÓLKA, W GENEWIE. AN 18K GOLD KEY WIND OPEN FACE POCKET WATCH- Circa 1830

Movement: Gilt Swiss bar cylinder, 3-arm balance. **Dial:** White, black Roman numerals, black outer minute track, subsidiary seconds at 6, blued steel hands. **Case:** Polished hinged, engraved reverse depicting two mounted soldiers fleeing battle, No.4834. **Signed:** Cuvette & movement, case stamped J.G. **Size:** 45mm
Sold for £ 3,750 (AU\$ 6,657) inc. premium



Lot 40

A SILVER KEYLESS WIND OPEN FACE MASONIC TRIANGULAR POCKET WATCH - Circa 1920

Movement: 15-jewel manual wind, adjusted to 3 positions. **Dial:** Mother of pearl, painted masonic symbols, black outer minute track, 'love your fellow man, lend him a helping hand' above 6, blued steel arrow tipped hands. **Case:** Triangular form, engraved with masonic symbols and allegories, snap on back within, No.2018. **Signed:** Case stamped DS and HF. **Size:** 53mm



Sold for £ 1,062 (AU\$ 1,886) inc. premium



Lot 145

VACHERON & CONSTANTIN. A LADY'S 18K GOLD MANUAL WIND RECTANGULAR BRACELET WATCH WITH UNUSUAL SMALL DIAL - Circa 1960

Movement: 17-jewel Cal.1005/1 manual wind, adjusted to heat, cold, isochronism and 5 positions, No.591648. **Dial:** Silvered, black baton hour markers, applied gilt cube quarters, gilt sword hands. **Case:** Brushed and polished rectangular, back secured by 2 screws, back winding, inner cap, No.425549. **Strap:** Integral textured link. **Clasp:** 18K gold folding clasp. **Signed:** Case & movement **Size:** 8mm x 19mm.

Sold for £ 1,500 (AU\$ 2,662) inc. premium

Lot 130

CARTIER. A FINE AND EARLY LADY'S WHITE GOLD AND DIAMOND SET MANUAL WIND COCKTAIL BRACELET WATCH - Circa 1910

Movement: 18-jewel manual wind, 8 adjustments. **Dial:** Guilloche engraved silvered, outer minute track, blued steel Breguet style hands. **Case:** Polished round, back secured by 3 screws in the band, rose cut diamond set bezel, diamond set crown. **Bracelet:** Integral diamond set expandable link. **Clasp:** Diamond set sliding clasp. **Signed:** Movement. **Size:** 26mm. **Accompaniments:** Spare link. **Sold for £ 2,000 (AU\$ 3,550) inc. premium**



Lot 241

LOUIS MOINET. A LIMITED EDITION STAINLESS STEEL AUTOMATIC 'WHISKY' WRISTWATCH

Metropolis, 1862 Glenlivet Whisky, Ref: LM-45.10.05, Limited Edition No.26/40, Circa 2017. **Movement:** 22-jewel Cal.LM45 automatic. **Dial:** Black segmented, semi-skeletonised, applied polished baton markers with white luminous inserts, gilt outer minute track with Arabic numeral 5 minute markers, 1862 Glenlivet whisky capsule at 3, skeletonized subsidiary seconds with whisky coloured chapter ring at 9, stylised pierced polished hands with luminous tips. **Case:** Brushed and polished round, exhibition back secured by 8 screws, pierced lugs, stepped bezel set with 6 decorative screws. **Strap:** Hand-sewn Louis Moinet alligator leather. **Buckle:** Signed steel buckle. **Signed:** Case, dial & movement. **Size:** 43mm. **Accompaniments:** Louis Moinet box, outer card, Certificate of Origin and Guarantee, Instruction booklet



DID YOU KNOW?

The following lot was produced by Swiss independent watch brand, Louis Moinet in collaboration with Wealth Solutions, an expert in rare works of art and alcohol. It contains a drop of the oldest whisky in the World, Old Vatted Glenlivet 1862. The project came about thanks to Sukhinder Singh, a famous British collector of rare alcoholic beverages and owner of Whisky Exchange. The bottle of whisky used was opened on the 14th of March 2017, with the premiere of the watch taking place at The Singapore Yacht Show on the 8th of April 2017. **Sold for £ 6,250 (AU\$ 11,095) inc. premium**



Lot 235

CHOPARD. A STAINLESS STEEL QUARTZ CALENDAR

WRISTWATCH WITH STONE SET FLOATING FISH - Happy Sport, Ref: 28/8347/8-402, Sold 22nd April 2006. **Movement:** 7-jewel ETA Cal.955.112 quartz. **Dial:** Sunburst ice blue with fish motif, 3 floating fish set with rubies, blue sapphires and yellow sapphires, luminous dot hour markers, Arabic numeral quarters, date aperture between 4 and 5, white sword hands with luminous inserts, centre seconds. **Case:** Polished round, back secured by 8 screws, uni-directional calibrated bezel, No.1187376. **Strap:** Yellow Chopard rubber strap. **Buckle:** Signed steel buckle. **Signed:** Case, dial & movement. **Size:** 38mm. **Accompaniments:** Certificate of Origin, 3 spare blue Chopard rubber

straps. **Sold for £ 1,375 (AU\$ 2,441) inc. premium**

Lot 29

LONGINES. AN 18K GOLD KEYLESS WIND MINUTE REPEATING TRIPLE CALENDAR CHRONOGRAPH FULL HUNTER POCKET WATCH WITH MOON PHASE - Circa 1900

Movement: Swiss lever, cut and compensated bi-metallic balance, steel chronograph work, two polished hammers striking on two gongs. **Dial:** White, black Arabic numerals, black outer 1/5th second divisions, subsidiary dials at 3, 6 and 9 for day, date, seconds and moon phase, month aperture below 12, gilt Louis XV style hands, centre chronograph hand. **Case:** Polished hinged, monogram to front, chronograph button at 2, repeat button at 6, No.48862, signed. **Size:** 60mm

Sold for £ 6,250 (AU\$ 11,095) inc. premium



Lot 232

JAEGER-LECOULTRE. A LIMITED EDITION PLATINUM SKELETONISED MANUAL WIND REVERSIBLE RECTANGULAR WRISTWATCH

Reverso Platinum Number One, No.285/500, Ref: 270.6.49, Circa 2001 **Movement:** 19-jewel Cal.849R-SQ finely engraved skeletonised manual wind. **Dial:** Skeletonised, blued steel leaf. **Case:** Brushed and polished reversible rectangular, reeded ends. **Strap:** Black Jaeger-LeCoultre crocodile leather. **Clasp:** Signed



platinum folding clasp. **Signed:** Case, dial & movement. **Size:** 26mm. **Accompaniments:** Jaeger-LeCoultre box, outer card, Certificate of Authenticity

DID YOU KNOW?

Made in a Limited number of 500 pieces in 2000, the current lot is a great example of how Jaeger-LeCoultre continue to be playful with the Reverso whilst still paying homage to the original 1930s design.

Sold for £ 13,125 (AU\$ 23,301) inc. premium



Lot 23

WILLIAM GIBBS, 13 CHESTER TERRACE, PIMLICO, LONDON. AN 18K GOLD KEYLESS WIND HALF HUNTER POCKET WATCH - London Hallmark for 1876. **Movement:** Gilt 3/4 plate English lever, cut and compensated bi-metallic balance, No.1037. **Dial:** White, black Roman numerals, black outer minute track, subsidiary seconds at 6, blued steel double spade hands. **Case:** Polished round, blue Roman numeral chapter to front, monogram to back, No.1057. **Signed:** Dial & movement, case stamped JM. **Size:** 46mm. **Sold for £ 1,125 (AU\$ 1,997) inc. premium**

Lot 231

BREGUET. A LIMITED EDITION 18K WHITE GOLD AUTOMATIC CALENDAR WRISTWATCH WITH REGULATOR DIAL - Classique, 250th Anniversary, Ref: 1747BB, Sold 17th July 1997. **Movement:** 25-jewel Cal.591, No.1929. **Dial:** Guilloché engraved two-tone silvered, outer black minute divisions with Arabic numeral 10 minute markers, eccentric hour dial at 6, date aperture at 3, blued steel Breguet hands, No.892. **Case:** Engine turned and polished round, snap on back with Royal and aristocratic clients of Abraham-Louis Breguet, reeded band, No.892 H. **Strap:** Black Breguet crocodile leather. **Buckle:** 18K white gold buckle. **Signed:** Case, dial & movement. **Size:** 36mm. **Accompaniments:** Breguet box, outer card, Limited Edition Certificate, Information/Instruction booklets

DID YOU KNOW?

The current example was produced in a limited number of 125 to commemorate the 250th Anniversary of the birth of Abraham Louis Breguet.

Sold for £ 8,125 (AU\$ 14,424) inc. premium



BONHAMS: HONK KONG WATCHES 1.0

Held: 24 Nov 2018, starting at 17:00 HKT - Hong Kong, Admiralty (<https://www.bonhams.com/auctions/25232/>)

Lot 801

GERALD GENTA, A STAINLESS STEEL AUTOMATIC JUMP HOUR WRISTWATCH WITH RETROGRADE MINUTES AND MOTHER-OF-PEARL DIAL - Circa 2001. **Model:** Disney - Donald Duck, Ref: G3612. **Case No:** 75858. **Calibre:** GA3. **Dial:** Mother-of-Pearl, large sector for retrograde minutes, image of Donald Duck holding a baseball bat indicating the minutes, aperture for hours, signed. **Case:** 34mm, stainless steel, solid case back, signed. **Strap:** Endangered species.

Accompaniments: Presentation case, certificate of origin and instruction manual

Sold for HK\$ 32,500 (AU\$ 5,746) inc. premium

Lot 826

INTERNATIONAL WATCH CO., THREE PRE-WAR YELLOW GOLD OPEN-FACED KEYLESS POCKET WATCHES - Circa Late 1930/40. **Movement No:** 849008, 922040 and 891657. **Case No:** 1000188, 987648 and 916539. **Calibre:** Two gilded and one silvered. **Dial:** Three gilt dials, with Arabic numerals. **Cases:** 49mm, 47mm and 49mm, 14k gold, three engine turned, one with decorative bezel

Sold for HK\$ 27,500 (AU\$ 4,862) inc. premium





Lot 802

CARTIER AND GIRARD PERREGAUX, THREE STAINLESS STEEL AUTOMATIC WRISTWATCHES - Circa 2000. **Model:** Pasha, Pasha and Richeville. **Movement:** Automatic with Chronograph and date, Automatic with Date, Automatic Chronograph. **Calibre:** Automatic. **Dial:** Silvered with luminescent and Arabic numerals, silvered engine turned with Arabic numerals, silvered engine turned with Roman numerals. **Case:** 36mm, 38mm, 35mm. **Strap:** Steel, steel and leather. **Sold for HK\$ 40,000 (AU\$ 7,072) inc. premium**

Lot 812

PANERAI, A FINE LIMITED EDITION STAINLESS STEEL 10 DAY AUTOMATIC WRISTWATCH WITH DATE AND GMT INDICATION - circa 2016. **Model:** Luminor GMT, PAM00689, No. S081/300. **Case No:** BB1767093 OP 6958. **Calibre:** P.2003. **Dial:** Blue sun-burst, baton and Arabic numerals, subsidiary AM/PM indication, signed. **Case:** 45mm, Stainless steel cushion shaped case, screw down glazed display case back, signed. **Strap:** Endangered species, stainless steel Officine Panerai buckle. **Accompaniments:** Blue lacquer and wooden presentation case with outer packaging, certificate of guarantee, instruction booklet, spare endangered species and rubber strap, screw driver and pin pusher tool, additional spare suede leather pouch. **Sold for HK\$ 112,500 (AU\$ 19,892) inc. premium**



Lot 822

OMEGA, TWO PINK GOLD HUNTER CASE KEYLESS POCKET WATCHES, AND TWO YELLOW GOLD OPEN FACE POCKET WATCHES - Circa 1930. **Movement No:** Open Face - 23191361 and 6805485. **Case No:** Hunter Case - 3286014 and 3846079, Open Face - 714292 and 7564613. **Calibre:** Hunter Case - Frosted Gilt, Open Face - Gilt and silvered. **Cases:** 55mm engine turned, 54mm polished, 47mm polished, 48mm decorative engine turned. **Sold for HK\$ 27,500 (AU\$ 4,862) inc. premium**

LOT 818

BREGUET, A RARE BOUTIQUE LIMITED EDITION PINK GOLD AUTOMATIC DUAL TIME WRISTWATCH WITH ALARM, DATE, POWER RESERVE INDICATION AND ENAMEL DIAL – circa 2017. **Model:** Classique Alarm Le Reveil Du Tsar, Ref: 5707ER 29 9V6. **Case No:** 5213 BL. **Calibre:** 519F. **Dial:** White enamel with secret signature, Breguet numerals, subsidiary dial for secondary time zone with Roman numerals, subsidiary dial for alarm, power reserve indication, signed. **Case:** 39mm, 18k pink gold, glazed display case back, signed. **Strap:** Endangered species, pink gold Breguet deployant clasp. **Accompaniments:** Burl wood presentation case with outer packaging, certificate of origin confirming original sale on 23rd November 2017, instruction booklet. **Sold for HK\$ 175,000 (AU\$ 30,943) inc. premium**



Lot 819

BREGUET, A FINE YELLOW GOLD AUTOMATIC TOURBILLON WRISTWATCH WITH REGULATOR DIAL – 2007. **Model:** Tourbillon Regulator, Ref: 5307BA/12/9V6. **Case No:** 2989T. **Calibre:** 587. **Dial:** Silvered on guilloche engine turned background, subsidiary chapter time ring with Roman numerals indicating the hours, outer minute track, visible tourbillon carriage below, signed. **Case:** 40mm, 18k yellow gold case, glazed display case back revealing the highly decorative engraved movement, pierced and engraved rotor, signed. **Strap:** Endangered species, yellow gold



Breguet deployant clasp, additional yellow gold Chopard buckle. **Accompaniments:** Presentation case, certificate of origin confirming original date of purchase on 9th June 2007

DID YOU KNOW?

Breguet's Ref. 5307 belongs to the "Classique" series and showcases the company founder, Abraham Louis Breguet's (1747-1823) most famous invention first patented in 1801, the Tourbillon. The mesmerising cage visible through the aperture at 6 o'clock rotates once every 60 seconds and helps to minimise the effects of gravity on the balance wheel. The present example also features a regulator-style dial, with a subsidiary hour chapter ring and signature Breguet moon hands for the hours and minutes that heightens the watch's legibility. In the founder's true aesthetic, the dial depicts two distinct types of guilloché or engine-turning on the center and subsidiary dials, with a third satin-finish for the chapter rings. To the reverse, the finely hand-engraved calibre 587 entices the viewer through its beautifully, skeletonised rotor incorporating the signature letter "B" for Breguet.

Sold for HK\$ 337,500 (AU\$ 59,676) inc. premium



LOT 830

PATEK PHILIPPE, A RARE AND EARLY GILT BRASS MECHANICAL AND SOLAR POWERED TABLE CLOCK -

Circa 1964. **Reference:** 809 "The Burgundy". **Movement No:** 873'539. **Case No:** 1'098, **Calibre:** 17" 250, Photo-electric cell. **Dial:** Gilt chapter ring with Roman numerals, Burgundy red and gold coloured masking with decorative engraved mounts to each corner, signed. **Case:** Height 23cm, large and heavy gilt rectangular case with Burgundy red and gold coloured side panels, gilt back hinged door, signed. **Accompaniments:** Extract from the Archives confirming date of manufacture in 1964 and original date of purchase on 10th January 1966



DID YOU KNOW?

The present Patek Philippe reference 809, houses one of the earliest examples of photo voltaic powered mechanical movements photo-electric cell calibre 17" 250, developed by Patek Philippe and first debuted at the World Symposium in 1955 in the famous dome clocks. The present example Ref. 809 represents a milestone in Patek Philippe's technological development as a large solar panel situated at the top of the case supplies energy to a photo-cell that in turn transmits power to the mechanical movement. Another progressive addition at the time was a battery system to provide back-up power in case of limited sun transmission. According to our research, this is only the third Ref. 809 to ever appear at auction and it is the only known example with burgundy panels.

Sold for HK\$ 87,500 (AU\$ 15,471) inc. premium



LOT 945

MB&F. A RARE LIMITED EDITION ROSE GOLD AND TITANIUM 3-DIMENSIONAL AUTOMATIC CALENDAR WRISTWATCH -

circa 2012. **Model:** Sidewinder - Horological Machine No. 3. **Case No:** 31R0032. **Calibre:** HM3. **Dial:** Two black cones, one representing the hours, surmounted by a day/night indicator, the other indicating the minutes, large glazed aperture revealing the automatic movement and rotor, surrounded by an oversized date ring, signed. **Case:** Width 51mm, unusual and large 18k pink gold case, with titanium and glazed display case back revealing the two winding barrels, signed. **Strap:** Endangered species, titanium and pink gold MB&F deployant clasp

Sold for HK\$ 325,000 (AU\$ 57,465) inc. premium

Lot 930

BOVET, A FINE WHITE GOLD AUTOMATIC CHRONOGRAPH WRISTWATCH WITH DATE AND MOTHER-OF-PEARL DIAL WITH CHINESE HOUR MARKERS - Circa 2005. **Model:** Chinese Chronograph, Sportster. **Case No:** C802 004887. **Calibre:** CA.7750. **Dial:** Mother-of-pearl, Chinese character numerals, subsidiary seconds, signed. **Case:** 39mm, 18k white gold, glazed display case back, signed. **Strap:** Endangered species, white gold Bovet deployant clasp. **Accompaniments:** Bovet presentation case. **Sold for HK\$ 40,000 (AU\$ 7,072) inc. premium**



LOT 940

BREVA, AN EXTREMELY RARE PINK GOLD METEOROLOGICAL SEMI-SKELETONISED WRISTWATCH WITH ALTIMETRIC, BAROMETRIC AND POWER RESERVE INDICATIONS - circa 2013. **Model:** Genie 01. **Movement:** Designed by Jean-

Francois Mojon. **Case:** No. P03, Genie 01/M. **Calibre:** Manual winding. **Dial:** Semi-skeletonised, subsidiary time dial with Arabic and baton numerals, inner minute track, sector for altimetric indication, additional subsidiary dial for barometer, valve open/close indicator and power reserve scale, indicated by the compass rose symbol wheel, underneath these indications and dials sits the Aneroid barometer capsule, signed. **Case:** 44mm, glazed display case back with engraved pressure calculating



scales to the back bezel, signed. **Strap:** Endangered species, pink gold Breva deployant clasp

DID YOU KNOW?

The Breva Génie 01 is the world's first mechanical wristwatch with time, altitude, weather forecasting barometric pressure and power reserve. The present example in 4N pink gold is made in a limited series of 55 pieces and the current watch is numbered 3.

This skilfully engineered weather forecasting watch is fitted with both an altimetric and barometric scale, and two stacked aneroid capsules that measure air pressure and any slight changes. The altimeter, reading from -300 to +5,300 metres, can first be set through the crown at 2 o'clock to match the wearer's local elevation. The crown at 4 o'clock rotates 90° to lock/unlock an air valve that enables the pressure inside the watch case to be equalized with the outside air pressure. Barometric pressure is easily read on the smoky-sapphire sub dials at two o'clock with graphics of impending weather conditions. An increase in air pressure signals good weather, whilst a decrease in air pressure warns of adverse weather. The Breva Génie 01 was designed by Jean-François Mojon, founder of Chronode, a Swiss movement developer based in Le Locle, which specializes in research and development of specialist watch movements, modules, and complications. **Sold for HK\$ 150,000 (AU\$ 26,522) inc. premium**



Lot 899

VACHERON CONSTANTIN, A FINE YELLOW GOLD CHRONOGRAPH WRISTWATCH WITH TELEMETRIC AND TACHYMETRIC REGISTERS -

Circa 1945. **Model:** Ref. 4072. **Movement No:** 466548. **Case No:** 302556. **Calibre:** 434 VZ, manual winding. **Dial:** Champagne dial, applied gold baton and Roman numerals, minute track, outer telemetric and tachymetric registers in red and blue, two subsidiary dials, signed. **Case:** 35mm, 18k yellow gold, solid case back, signed. **Strap:** Leather **Sold for HK\$ 112,500 (AU\$ 19,892) inc. premium**





Lot 861

MB&F, A VERY RARE LIMITED EDITION STAINLESS STEEL AND TITANIUM DIGITAL JUMPING HOURS AUTOMATIC WRISTWATCH WITH SUPERLUMINOVA PLATES TO THE MOVEMENTS- FIRST TIME IN AUCTION - circa 2015. **Model:** "HMX - Black Badger" Ref: 57.STGL.B, Limited Edition of 18 pieces. **Movement:** Automatic. **Case No:** XTB387. **Dial:** Large shaped aperture with magnified glass over the jumping hours and passing digital minutes, signed. **Case:** Length 48mm, Wedge shaped titanium case with two super-luminova plates in phantom blue, glazed display case back revealing the large circular automatic rotor, signed. **Strap:** Leather, titanium MB&F buckle. **Accompaniments:** MB&F presentation case, International warranty and instruction booklet. **Sold for HK\$ 250,000 (AU\$ 44,204) inc. premium**



Lot 946

ULYSSE NARDIN, A RARE WHITE GOLD 7-DAY CARROUSEL TOURBILLON WRISTWATCH

circa 2007. **Model:** Freak, Ref: 020-88. **Case No:** 080. **Calibre:** UN200, manual winding. **Dial:** Sunburst blue, applied Arabic numerals, rotating openwork minute time indicator, signed. **Case:** 45mm, 18k white gold, scalloped bezel, glazed display case back partially revealing the 7-day power spring, rotating back winding bezel, signed. **Strap:** Endangered species, white gold Ulysse Nardin buckle. **Accompaniments:** Guarantee certificate card confirming model and date of original purchase in October 2007, Ulysse Nardin presentation case **Sold for HK\$ 262,500 (AU\$ 46,414) inc. premium**

Lot 890

BREGUET, A VERY RARE PLATINUM AUTOMATIC TOURBILLON, PERPETUAL CALENDAR WRISTWATCH WITH EQUATION OF TIME AND LEAP YEAR INDICATION - circa 2017. **Model:** Equation Marchante - Horloger De La Marine, Ref: 5887PT Y2 9WV.

Movement No: 30959. **Case No:** 1031 BU. **Calibre:** 581DPE. **Dial:** Blue guilloché dial with wave design, retrograde date sector, eccentric silvered chapter ring with Roman numerals, luminescent triangular shaped five minute divisions, visible one minute tourbillon with kidney shaped equation of time function, signed. **Case:** 44mm, platinum, glazed display case back, signed. **Strap:** Endangered species, platinum Breguet deployant clasp. **Accompaniments:** presentation case with outer packaging, certificate of origin confirming date of original sale on 26th August 2017, instruction booklet, key to case and silk Breguet pouch

DID YOU KNOW?

In 2017, Breguet unveiled the most complicated watch in their Marine collection, the Ref. 5887 "Equation Marchante - Horloger De La Marine". Design cues, based on traditional tenets of their founder Abraham Louis Breguet (1747-1823), who was made a chronometer maker to the French Navy in 1815. The engraved central part of the dial hints at blue ocean waves, whilst the off-center tourbillon and "running" equation of time at 5 o'clock allude to classic Breguet's signature style. The traditional Breguet hour and minute hands highlighted with luminous accents add another sporty element, whilst the anchor hand for the retrograde date and running solar hand with faceted golden sun add a modern flair.

The Ref. 5887 showcases Breguet's most-famed complication, the Tourbillon, alongside "running" Equation of Time, a Perpetual Calendar with Retrograde Date, Leap Year and Power



Reserve Indication in its 16¾ lignes Calibre 581DPE. Equation of Time represents the difference between mean solar time and apparent solar time, or the difference between the time shown on a clock versus a sundial. The time it takes for the sun to return to the same point in the sky is not exactly 24 hours on any given day and can range from 14 minutes shorter to approximately 16 minutes longer than a mean solar day. The Equation of Time kidney-shaped cam visible alongside the 60-second tourbillon aperture controls the running solar hand and how far behind or ahead it runs from the minute hand.

This mesmerizing watch continues its riveting show from its sapphire crystal display back, where a clever, peripheral rotor winding system powers this highly complicated watch and best shows off the engraved bridges depicting a French Naval scene and Compass Rose. More impressive and adding to the watch's wearability is the fact the Calibre 581DPE is based on the Breguet Classique Tourbillon Extra-Plat Automatique Ref. 5377, thus minimizing the watch's thickness to 11.5mm. The Silicon escapement wheel, inverted lateral lever with silicon pallets and silicon balance spring adds the final touch of modern innovation, as it reduces the need for oil and are unaffected by magnetism. **Sold for HK\$ 1,125,000 (AU\$ 198,920) inc. premium**



Lot 881

CARTIER, PARIS, A FINE AND RARE LADY'S YELLOW GOLD AND DIAMOND-SET ASYMMETRICAL WRISTWATCH - circa 1997. **Model:** Crash.

Movement No: 160. **Case No:** A 111508 7419. **Calibre:** 1978-2, manual winding. **Dial:** Silvered, stylised Roman numerals, signed and with secret signature at VII. **Case:** Length 39mm, 18k yellow gold asymmetric case, round-cut diamonds set throughout the bezel, solid case back, signed. **Strap:** Endangered species, yellow gold Cartier asymmetric deployant clasp.

Accompaniments: International Cartier certificate of guarantee confirming date of original purchase on 29th March 1997

DID YOU KNOW?

First released by Cartier of London in 1967, the unusual shape of the Crash claims inspiration from a car accident involving a Vice President from the Cartier London office. His Cartier Maxi Oval reputedly melted amidst the flaming wreckage, resulting in a surrealist watch design in the manner of Salvador Dali's watch in The Persistence of Memory. The Head of Cartier London at the time, Jean-Jacques Cartier, gave the go-ahead for Cartier's

designers to produce a man's wristwatch known as the "Crash" in very limited numbers, mainly in yellow gold with only three produced in white gold with a large case measuring 43mm by 23mm. Cartier Paris picked up production of the "Crash" and released a limited edition version of 200 pieces in 1991. The case of this modern version was smaller, measuring only 38.5mm in length. In 1997, Cartier Paris unveiled another limited edition of just 13 pieces in yellow gold commemorating the reopening of their Rue de la Paix store. The present rare example in yellow gold finely set with diamonds was also sold in 1997 and was likely produced in very limited numbers. The present example is even more desirable as it is accompanied by its original certificate. Cartier "Crash" wristwatches, like the present example, represent the pinnacle of style and exclusivity amongst Cartier collectors and design aficionados alike and are highly sought-after throughout the world.

Sold for HK\$ 312,500 (AU\$ 55,255) inc. premium



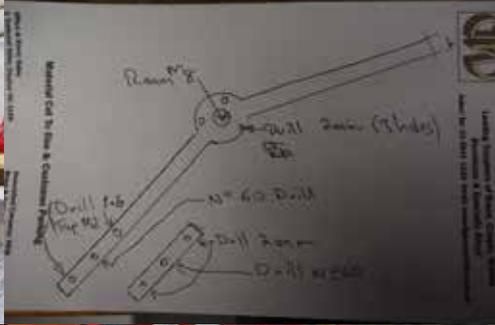
Lot 914

AUDEMARS PIGUET, A VERY RARE AND UNIQUE YELLOW GOLD SKELETONIZED KEYLESS DRESS WATCH, OF MUSICAL INTEREST - circa 2011. **Model:** Squelette, 35744BA. **Case No:** H39938. **Calibre:** 5020.

Dial: Skeletonised and engraved with decorative musical notes and clefs, signed. **Case:** 39mm, 18k yellow gold, glazed front and back, signed, similarly engraved with decorative notes and musical themes, additionally signed by the named apprentice, "Evelyn Decoppet".

Accompaniments: Audemars Piguet presentation box, Extract from the Register dated 18 January 2016. **Sold for HK\$ 122,500 (AU\$ 21,660) inc. premium**





Tower clock meetings continue in mysterious and timeless place full of time secrets... (Micks Shed). The Work continues...



Speeding Time outside while working on the Tower Clock Project





Scimitar Skeleton Clock by Trevor Herbstreit

Winner of the Gold Medal for Experimental Timepiece Designs at the National Association of Watch & Clock Collectors 2018 National Convention in York, PA, USA.



Trevor designed this clock as both a Modern Artistic Impression and Practical Timepiece that is fit for purpose. As a completed item in its finely crafted, yet simplistically designed case, it is apparent that it would display well in homes or businesses of many genres including public spaces. It's pleasing forms & gentle motion mesmerise those who gaze upon it.

The design & production of this clock was completed by hand, with the exception of some of the small machine screws.





Last edition I posted some pictures of this clock from one of our local craftsmen, forgive me for posting more pictures. I was unaware at the time of the last issue that this is an award winning clock. Well Done Trevor

Is the world's largest Wooden Tower Clock ticking away in Nannup?



(the article below is an edited and tweaked version of: **(What is possibly the world's largest wooden tower clock is ticking away in Nannup.** [ABC South West WA](https://www.abc.net.au/news/2016-07-28/7666660) : By Sharon Kennedy. Updated 28 Jul 2016, 4:01pm. **VIDEO:** <https://www.abc.net.au/news/2016-07-28/7666660> (ABC News)))

Contentedly ticking away in a specially built shed in Nannup, Western Australia.... is possibly the largest working wooden tower clock in the world.

Built predominantly of jarrah by local Kevin Bird, the clock is nearly 6m tall and just over 3m wide and 3m long. It's face is 2m in diameter and made of leaded glass with a steel armature inside a timber frame.

Originally destined for a new civic centre in the main street of Nannup; the project didn't eventuate. So Mr Bird decided to assemble the clock in a specially built shed on his property. Building the clock has taken the best part of a decade of Mr Bird's life.

But clocks have not always been his everyday focus.

Mr Bird, a retired aircraft engineer, once had to service the navigational chronometers which were mounted in the aircraft's instrument panel.

"I hated it. They were terrible things to work on," he said.

However, he did gain an indelibly stamped knowledge of clocks and their working. Upon his retirement, Mr Bird settled in Nannup, an historic timber town about four hours south of Perth. There he combined his clockwork knowledge with a love of wood and began making pendulum driven timepieces.



A falling weight is very accurate

PHOTO: [The pendulum is 4m long and beats every 2 seconds](https://www.abc.net.au/news/2016-07-28/7666660) (ABC South West: Sharon Kennedy)

Non-digital clocks can either be pendulum driven, using a falling weight, or can be spring wound. "A falling weight is a uniform driving force, so it becomes very accurate," Mr Bird said. "Whereas a spring wound clock has more tension when (first) wound than it does as it nears rewinding." (Spring wound clocks or watches need complex mechanisms to overcome that propensity.)

Mr Bird said the Westminster Clock in London, which is a tower pendulum clock; after 170 years, it is still one of the most accurate clock movements in the world.



After running for some seven months, Mr Bird's wooden creation varies by a minute within a week. "I'm hoping within six months to halve it to one minute in a fortnight," he said.

(PHOTO: [The gear train is entirely wooden. The largest escapement rotates once a minute and the smallest, once every 12 months.](#) (ABC South West: Sharon Kennedy))

Forces of nature work against tower clocks

Mr Bird said most tower clocks used a four-metre pendulum; which were the most accurate.

The square root of the pendulum determines its oscillation, so a 4m length will equate to a two-second period.

However, nothing determined by physics is simple.

"Pendulum oscillation period depends on length, height above sea level and distance from the equator," Mr Bird said "It's the rotation of the planet that determines its resonant frequency. If we took it to Perth, we'd have to reset it."

Other forces of nature work against a tower clocks,

such as weather and birds.

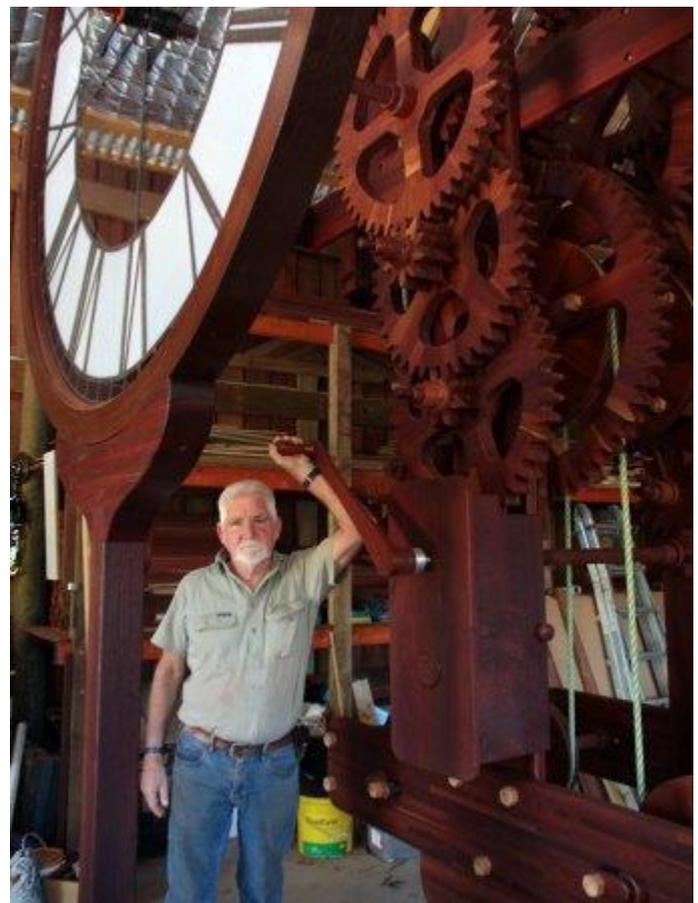
For example, the Westminster Clock and its four 16ft (4.8m) hands has a robust movement to cope with perching pigeons putting it out of balance. "Imagine in the winter if they (the hands) are covered in snow. They've still got to work with terrible loads.

Mr Bird said that there was another reason apart from visibility why tower clocks were so high. - The long drop of the falling weights means that the mechanism only needs to be wound once every seven or eight days.

Mr Bird's creation requires winding twice a day.

To save many a late night trip cranking the handle, Mr Bird devised a simple yet ingenious self-winding mechanism. As the weight descends, it trips a seesaw effect which sets off an electric motor to drive the winding mechanism. The weight reversal is accompanied by "a lot of Harry Potter type clanking and clacking of wheels and pulleys".

(PHOTO: [The clock is hand made. Kevin Bird also made the lead glass clock face.](#) (ABC South West: Sharon Kennedy))



The clock we are looking at is the ultimate 'do-nothing-machine' Kevin Bird does not expect his clock to wear out in his lifetime, or in his grandchildren's lifetime.

"Everything is so slow; the fastest (piece) is the escapement at the top which rotates one revolution per minute."

"That compares with the hour wheel which goes round once every 12 hours.

"Timber is a unique material. In Holland timber gear trains have been running for over 400 years."

According to Mr Bird, the escapement was the most difficult piece for him to engineer correctly.

"It is very similar to a watch escapement which is tiny and doesn't have inertia."

Months of trial and error went into shaping a piece that was accurate and had very little recoil.

- "That's number nine: the other eight went up the chimney."

So what has compelled him to sacrifice so many hours to its making?

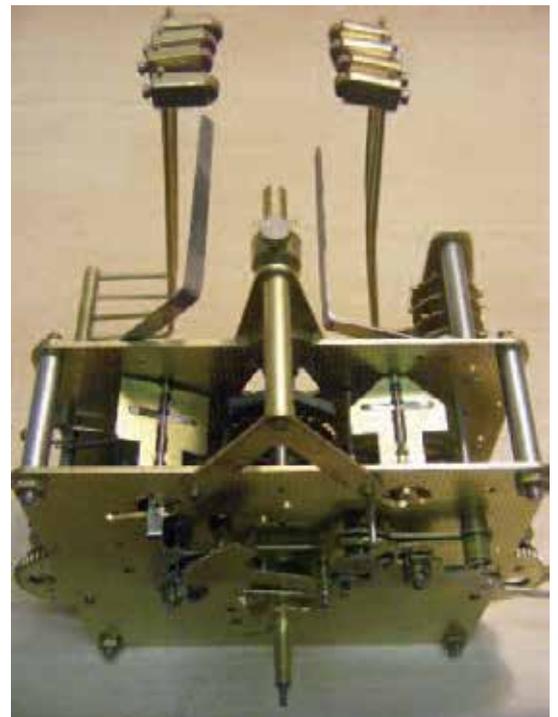
"Visually, it's an art piece, it tells the time accurately and makes you feel good to look at it," he replied..."What more do you want?"

The Adventures of a Clockmaker

Michael Guiver ponders the advantages of old versus modern... Part 1

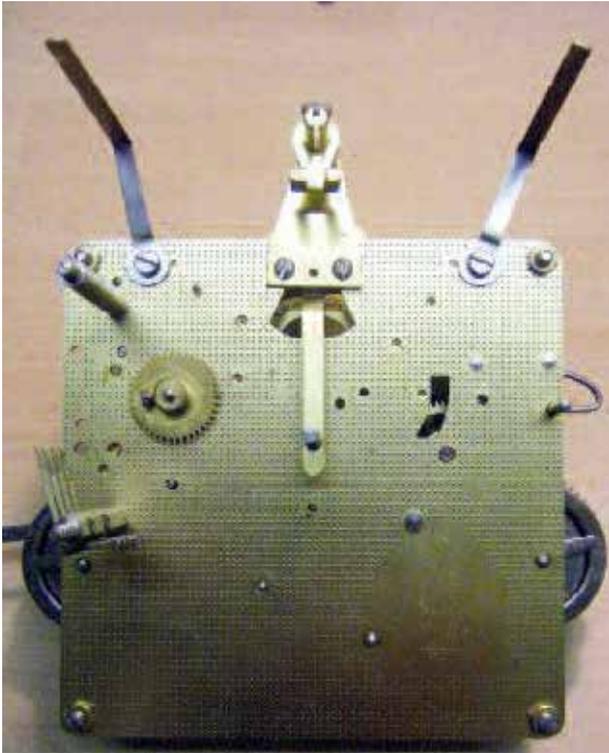
Like most apprentice clockmakers I served my time at the bench working on English longcase clocks and fusee clocks and indeed, like many of us, these became my comfort zone. (I have to add at this point that being an apprentice in those days meant for the first six months I was tea-boy, sweeper-upper and also spent my time filing and polishing castings until my hands were raw.) As a busy establishment we repaired only antique clocks (not handling anything mass-produced) and also made hand-built clocks from scratch.

Imagine my horror when I was asked to repair my first chiming clock. When placed on the bench it appeared to have arms and legs like a grasshopper and it moved like a half-squashed fly that had just been swatted with a rolled up newspaper.



These days clockmakers seem reluctant to take on the modern longcase clock but it is a very necessary evil unfortunately as so many of them have become treasured, highly esteemed objects. Customers have often paid quite a lot of money for them. These clocks can often cost thousands of pounds despite being made of chipboard or MDF, not to mention the poor-quality movements. Modern chiming longcase clocks seem to be principally made by two different factories producing two completely different movements, the chain wound clock and the cable wound clock. While the latter is the more expensive it is, in my opinion, inferior, usually being overly complicated, not designed to come apart easily (the manufacturers use irreversible circlips) and the poor quality lacquer often suffers in the cleaning tank, which we will talk about later.

In this article I will deal with the chainwound clock, (see Figure 1). Although not made from the best materials these clocks are usually reliable and fairly straightforward to repair. The first step is to remove all external parts from both front and back of the movement, (Figure 2).

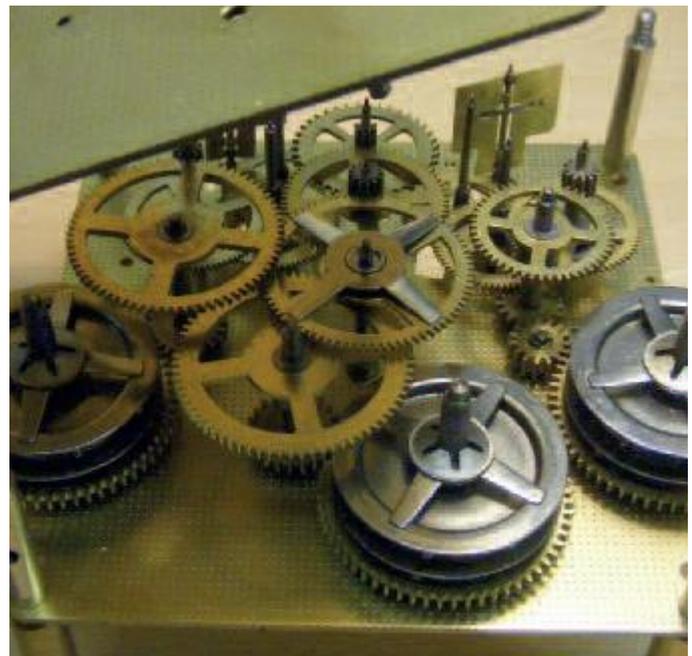


After removing the hammer section and pallets from the back then proceed to remove all of the front work taking great care with the circlips, use pliers very carefully with your finger the opposite side as a guard otherwise they will fly off like tiddlywinks never to be seen again, (Figure 3).

Care should also be taken with the two springs shown here namely the rack hook spring and the lifting piece spring: note how the latter is hooked underneath the rack post and on assembly must be gently eased to be underneath the rack tube and not squashed against the plate, (Figure 4).

Once the front and back work has been removed then its time to separate the plates – time for a cup of tea now whilst glancing at all of the parts so far placed carefully on the bench remember to label everything as some of the circlips are different sizes. You

will note from Figure 5 the brass feet made and secured to the threaded studs which makes the job easier, no balancing on cardboard boxes, etc. In fact a Figure 1. The chain wound clock at a glance. Figure 2: Starting with the backplate remove all external parts. Figure 4: Watch out for the rack hook coil spring and the lifting piece spring. set can be made for both the front and back of the movement. If you make them out of 3/8 brass rod this is ideal and long enough to cover all protrusions of the movement then the clock can be worked on from either side helping enormously with both dismantling and reassembling. You will also note from this picture the circlip holding the centre wheel as well as the striking intermediate reverser. Don't forget to put the latter little part in on re-assembly otherwise you will have to start all over again. Next time we will start the repair.



(Figure 3: Taking care with the circlip removal. Figure 5: Separating the plates.)

www.theclockmakersworkshop.com



Vale: John Kenneth MacLeod

It is with much sadness that I recently heard of the passing of John MacLeod. John passed away on the 16th of August 2018.

John was a much loved member of our society for many years and a regular contributor to both the workshops and clock making projects. He was a very talented man who built some lovely clocks and made a variety of special tools for our club members to use. He also made a few commissioned pieces for a few lucky club members! I will always treasure the beautiful bushing tool John made for me, and I will reflect fondly on our time together every time I use it!

Rest in Peace John, you will be sadly missed.

Regards

Mick Connolly and all your many friends at the AAHS.

Dear members,

On Sunday at 9pm my old clock friend Henry Ekselman was hit by a car while crossing Chapel St, South Yarra and has passed away. Henry was the last of a family of clockmakers that ran INGRAM BROS and BRIGHT tower clock company in Melbourne since 1890. Ingram's built 1000's of clocks all over Australia, most of which became well known landmarks. I worked on public clocks with Henry at times and he was kind enough to take on our youngest member William Schofield as a worker for some years. It's hard to imagine the Melbourne clock scene without Henry Ekselman. Rest in Peace Henry and thank you for supporting the AAHS all these years. - Vivian C Kenney

AAHS E-mail contact list

As mentioned briefly in the Presidents report, the AAHS committee would like to establish an email address book, or contact list to facilitate a faster and more direct communication channel with our Members if or when a special need arises.

If you have no objections, please send me an email titled "AAHS contact details" containing your name and phone number and send it to maconnolly@optusnet.com.au your email address will then be automatically generated in the "from" section of the email

This email list, once composed will be used solely for the societies internal communications and to facilitate timely notifications of Meeting changes, upcoming sales, obituary's, auction notices, lost & found, etc. NOTE: Only senior committee members would be allowed access and only for internal club communications.

So far I have approx. one quarter of members email addresses.

So there's still a way to go!

Regards

Mick Connolly

Regulating a pendulum clock

Figures shown are the amount you need to change the pendulum length to adjust for a clock running fast or slow by 1 minute a day. If slow shorten the pendulum, if fast lengthen feed

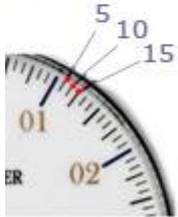
Number of oscillations an hour	Pendulum Length in millimeters	Variation in length for 1 min in 24 hours in mm	Number of oscillations an hour	Pendulum Length in millimeters	Variation in length for 1 min in 24 hours in mm	Number of oscillations an hour	Pendulum Length in millimeters	Variation in length for 1 min in 24 hours in mm
20,000	32.21	0.045	13,200	73.95	0.103	8,200	191.64	0.266
19,000	35.69	0.050	13,100	75.09	0.104	8,100	196.40	0.272
18,000	39.77	0.055	13,000	76.25	0.106	8,000	201.34	0.279
17,900	40.22	0.056	12,900	77.43	0.107	7,900	206.47	0.286
17,800	40.67	0.056	12,800	78.65	0.109	7,800	211.80	0.294
17,700	41.13	0.057	12,700	79.89	0.111	7,700	217.33	0.302
17,600	41.60	0.058	12,600	81.16	0.113	7,600	223.09	0.310
17,500	42.08	0.058	12,500	82.47	0.114	7,500	229.08	0.318
17,400	42.56	0.059	12,400	83.80	0.116	7,400	235.31	0.326
17,300	43.05	0.060	12,300	85.17	0.118	7,300	241.80	0.335
17,200	43.56	0.060	12,200	86.57	0.120	7,200	248.57	0.345
17,100	44.07	0.061	12,100	88.01	0.122	7,100	255.62	0.355
17,000	44.59	0.062	12,000	89.48	0.124	7,000	262.97	0.365
16,900	45.12	0.063	11,900	90.99	0.126	6,900	270.65	0.376
16,800	45.66	0.063	11,800	92.54	0.128	6,800	278.67	0.387
16,700	46.20	0.064	11,700	94.13	0.131	6,700	287.05	0.398
16,600	46.76	0.065	11,600	95.76	0.133	6,600	295.81	0.410
16,500	47.33	0.066	11,500	97.43	0.135	6,500	304.99	0.423
16,400	47.91	0.066	11,400	99.15	0.138	6,400	314.59	0.436
16,300	48.50	0.067	11,300	100.91	0.140	6,300	324.66	0.450
16,200	49.10	0.068	11,200	102.72	0.143	6,200	335.22	0.465
16,100	49.71	0.069	11,100	104.58	0.145	6,100	346.30	0.480
16,000	50.33	0.070	11,000	106.49	0.148	6,000	357.94	0.497
15,900	50.97	0.071	10,900	108.46	0.150	5,900	370.17	0.514
15,800	51.62	0.072	10,800	110.47	0.153	5,800	383.05	0.531
15,700	52.28	0.073	10,700	112.55	0.156	5,700	396.60	0.550
15,600	52.95	0.073	10,600	114.68	0.159	5,600	410.90	0.570
15,500	53.63	0.074	10,500	116.88	0.162	5,500	425.97	0.591
15,400	54.33	0.075	10,400	119.14	0.165	5,400	441.90	0.613
15,300	55.05	0.076	10,300	121.46	0.169	5,300	458.73	0.636
15,200	55.77	0.077	10,200	123.85	0.172	5,200	476.54	0.661
15,100	56.51	0.078	10,100	126.32	0.175	5,100	495.41	0.687
15,000	57.27	0.079	10,000	128.86	0.179	5,000	515.43	0.715
14,900	58.04	0.081	9,900	131.47	0.182	4,900	536.68	0.745
14,800	58.83	0.082	9,800	134.17	0.186	4,800	559.27	0.776
14,700	59.63	0.083	9,700	136.95	0.190	4,700	583.33	0.809
14,600	60.45	0.084	9,600	139.82	0.194	4,600	608.96	0.845
14,500	61.29	0.085	9,500	142.78	0.198	4,500	636.33	0.883
14,400	62.14	0.086	9,400	145.83	0.202	4,400	665.58	0.923
14,300	63.01	0.087	9,300	148.98	0.207	4,300	696.90	0.967
14,200	63.90	0.089	9,200	152.24	0.211	4,200	730.48	1.014
14,100	64.81	0.090	9,100	155.61	0.216	4,100	766.55	1.064
14,000	65.74	0.091	9,000	159.08	0.221	4,000	805.35	1.117
13,900	66.69	0.093	8,900	162.68	0.226	3,950	825.87	1.146
13,800	67.66	0.094	8,800	166.40	0.231	3,900	847.18	1.175
13,700	68.65	0.095	8,700	170.24	0.236	3,850	869.33	1.206
13,600	69.67	0.097	8,600	174.22	0.242	3,800	892.36	1.238
13,500	70.70	0.098	8,500	178.35	0.247	3,750	916.31	1.271
13,400	71.76	0.100	8,400	182.62	0.253	3,700	941.25	1.306
13,300	72.85	0.101	8,300	187.05	0.260	3,650	967.21	1.342
1 second pendulum						3600	994.26	1.379

Reading Time on Single Hand Watches

Each one of these markers = 5 minutes



so:



and:



marker represents 5 minutes. The 15- and 30-minute markers are bolder, and the single hand is sharply pointed for more precise reading. It also features a stainless-steel case with glass back and an ETA hand wound movement. The time shown in this photo is 15 minutes past 10. (Price: \$1600)



SINGLE HAND WATCHES

Telling time using just a single hand was normal when pocket watches were introduced to society in the early 16th century. Timekeeping began with just a single marker, a single hand, to tell time; sundials and early church clocks all kept time this way. A second hand wasn't introduced until the late 17th century. The single hand watch has a number of variations. Some examples are: a lone hand points to both the hour and fractions of the hour on a sleek dial. Or in some cases, the minute and hour indicators are separated, with a hand only for the minutes and a small window telling the hour off to one side.

Below are some watch companies and their examples of the single hand watch.

MEISTERSINGER

The dial of MeisterSinger's watch is divided into 144 markers. Each



BOTTA

Botta's single hand watch, 'The Uno', also uses a dial with five minute gradations. The time, according to the manufacturer can be read down to 'more or less' one minute by judging the distance between individual markers. Botta says that the "great strength of the UNO, lies in everyday time-keeping and the fact that the time of day is shown "at a glance" by an analogue and graphic representation of the day."(Price:\$400)

NIENABER UHREN

Nienaber Uhren's "Antero" features an intriguing and unique dial with a gap at the 9 o'clock position. It uses a "anterograde display" that skips over this 9 o'clock gap so that the seconds hand dial is not obscured. The "Antero" uses a manually wound ETA/Unitas 6497 movement with a power reserve of more than 40 hours. It also features a glass back and 42mm stainless steel case.



KARL FALK

Karl Falk's watch is called the "Einzeiger" or in English "one hand" watch. It features a red tip to enable more precise time-telling. It has a 43mm brushed stainless steel case with transparent back houses a UNITAS 6498, 17 jewels hand wound movement that is water resistant to 5ATM. (Price:\$1,400)





DEFAKTO

Defakto's watch has a 'chunkier' design. There are just three single markers in between the hour markers make this single hand watch the most relaxed on the list. Defakto suggests that by wearing one of their watches, "Your way of experiencing time will get way more relaxed and laid back ". (Price:\$600-700)

EPOS

'Sophistiquée', swiss watchmaker Epos's single hand watch combines the single hand with a cutaway dial. This reveals an engraved mechanical hand-wound Unitas 6498 skeleton movement. The case is 41mm and water resistant to 50m. (price: \$930)



SCHAUER

These watches are individually handmade by German watchmaker Jorg Schauer and feature a highly detailed dial with a single 18 carat pink gold hand. The watch has a 42mm case with sapphire crystals front and back, housing a DUROWE 7426-4 movement. (Price: \$4200)



JAQUET DROZ

Jaquet Droz's contribution to the single hand watch is the 'Grande Heure'. Roatating at half the speed of a typical single hand watch, the Grande Heure is a rarely seen 24-hour single hand watch. Jaquet Droz says that 'these types of watches are about about "living time differently and appreciating it in a new light" echoing the credo of the other single hand watchmakers. (Price:\$24000)



ANGULAR MOMENTUM R.D.S

This watch is called the 'classic'. The single hand indicates the minutes while the hour markers rotate on a disc and are read at the 12 o'clock position. The time shown is 02:19 The R.D.S in the Angular Momentum's name refers to their patented '**Revolving Disc System**', which they state means "that a watch hand can be replaced by a disc".



KUDOKE

Called 'The Mysticum' Kudoke's watch has a single, handmade wavy hand that indicates the minutes, and a pointer rotating beneath a circular central panel for the hours. The dial is both skeletonized and hand engraved, with sapphire crystals front and back through which to view it. This watch houses a hand wound ETA movement with 40 hr power reserve. (Price:\$6,500.)



Single hand watches have a unique aesthetic, both eye-catching and functional. These watches are imbued with a sense of classicism and/while highlighting early origins of the watchmaking craft. It takes only one hand to inspire a second look.

Information and examples found on:
<http://www.uniquewatchguide.com/single-hand-watches/>
<https://www.bloomberg.com/news/articles/2018-01-24/these-watches-can-tell-time-with-just-one-hand>
(the information and descriptions have been reworded and combined to create this article.)

AUSTRALIAN CHAPTER MEETINGS

Chapter 72 – Sydney

Meetings are held in the **Wentworthville Uniting Church Hall**, near corner of Station and McKern Streets, Wentworthville, 1.00pm – 5.00pm on 1st Sunday of the even months.

Contact: *President:* Peter Simonis at psimonis@optusnet.com.au or 0416 018320
Website: www.aussieclocks.com.au

Electrical Horology Group

Contact: Graham Mitchell at gmclocks@gmail.com or on (02) 9416 2766

Special Interest Watch Group

Meetings will be held on various dates throughout the year.

Contact: Colin Thompson at igc2thomp@hotmail.com or (02) 98717263

Chapter 168 - Torsion Clocks

Sydney meetings Location has changed

Contact: Doug Minty (02) 9631 4720 Mob: 0412 100390

Queensland Association of Watch and Clock Collectors Incorporated Queensland

General meetings held at **Clubhouse, Rocklea Show Ground**. UBD - Map 199 (I-6),
1430 Ipswich Road, Rocklea.

Use gate, corner Ipswich Service Road & Goburra Street
Postal address is PO Box 153, Rocklea Markets, QLD 4106

Contact: *President:* Allan Roberts at allan-r@bigpond.net.au or 07 32777858

Chapter 182 – Canberra

Roger Little
MACGREGOR ACT 2615
(02) 6254 9243
littleandson@y7mail.com

*All members of the AAHS are welcome at any other Chapters
Meetings*