



2 m.



- **AUSTRALIAN NAWCC CHAPTER HIT HARD BY BRISBANE FLOODS. Chapter 104 dries out after record flooding.**

The members of Australian Chapter 104 have been hard at work cleaning up after seven feet of muddy water temporarily took up residence in their chapter clubhouse. Fortunately due to the quick thinking of members who braved the rising waters to rescue the chapter library contents and move most of the chapter's property to high shelves, very little was lost. Even so, they spent the better part of a weekend sluicing the last of the water and mud from the premises to clean up the building for future use. Chapter officers hope to host the usual chapter workshop on the premises in early March, after the electricity is checked for safety and reconnected and the clean up is finalized.

- Norman Heckenberg - NAWCC Correspondent.

1 m.



Pine Rivers Heritage Museum & Chapter 104 create an interesting display showcasing the history of time-keeping.

Bill Meeken sent us all a notice of intent way back in October 2009: "The Chapter has been invited by the curator of the Pine Rivers Heritage Museum to organize a display in the Museum during the months of November and December 2010. This will be a great opportunity for members to display some of their clocks and watches and will give our Chapter great exposure in the district." This notice drew a very meek response, unfortunately.

Unperturbed, Bill Meeken, Ken Durston and Tony Roberts ably represented our Chapter, generating this showcase in conjunction with the Museum's curator: Vern Gibson.

Barbara and I missed the opening celebrations but we managed a visit the following Sunday where we found Bill & Tony busy manning the show, we were certainly impressed with the horological items on display.

Mal Enright - Editor.



1	Clock Description	Number	Shelf/Wall	Country	Circa	Member 1
2	Yachting Watch	58	Shelf	Special Purpose	1930	Bill Meeken
3	World Time Clock	70	Wall	Novelty	1930	Museum 39
4	Watchmakers tools	73b	Shelf	other	1700	Ken Durston
5	Watchmakers staking set	73c	Shelf	other	1700	Ken Durston
6	Watchmakers lathe	73a	Shelf	other	1700	Ken Durston
7	Watch Fusee+ Chain,spring barrel etc.	82	Shelf	other	1565	Bill Meeken
8	Wall Clocks – banjo	54	Wall	USA	1800	Allan Roberts
9	Vineyard	2	Wall	France	1880	Ken Durston
10	Verge and Foliot Clock	86	Wall		1285	Bill Meeken
11	Turtle Clock	68	Shelf	Novelty	1850	Museum 40
12	Travel	20	Shelf	Swiss	1900	Ken Durston
13	Tiffany	87	Shelf	USA	1915	Bill Meeken
14	Synchrone Slave	17	Floor	Australia	1900	Alan Hazelton
15	Synchrone Master	16	Wall	Australia	1900	Tony Roberts
16	Swingers – Junghans Elephant	26	Shelf	Germany	1910	Tony Roberts
17	Sun dial	71	Shelf	Other	1481	Tony Roberts
18	Stop Watch	89	Shelf	Switzerland	1822	Bill Meeken
19	Stoelklok – original	38	Wall	Holland	1750	Malcolm Enright
20	Staartklok - original	39	Wall	Holland	1800	Alan Hazelton
21	Spelter/Bronze figurine	12	Shelf	France	1850	Ken Durston
22	Skeleton fusee, early fusee verge	47	Shelf	UK	1700	Museum 7
23	Ship's Wardroom Clock - Mercer??	43	Wall	UK	1830	Allan Emmerson
24	Ships Clock Brass	35	Wall	Germany	1885	Alan Hazelton
25	Ship's clock	55	Wall	USA	1830	Ken Durston
26	Screensaver Various Clocks	84	n.a.	other	2009	Bill Meeken
27	Rolling Ball Clock	66	Shelf	Novelty	1980	Museum 52
28	Reverse Time (down under Clock)	69	Wall	Novelty	1950	Museum 49
29	Repeater Carriage Clock	7	Shelf	France	1850	Museum 44
30	Regulator	22	Floor		1850	Museum 27
31	Regulator	23	Wall		1850	Museum 37
32	Quartz Skeleton clock	79	Shelf	other	1950	Ken Durston
33	Projector Clock	83	Shelf	Novelty	2000	Museum
34	Postman's Alarm	30	Wall	Germany	1875	Ken Durston
35	Pop Swatch	91	Shelf	Switzerland	1993	Bill Meeken
36	Plato	64	Shelf	Novelty	1900	Bill Meeken
37	Pigeon racing Clock	61	Shelf	Special purpose	1900	Bill Meeken
38	Painted Dial	31	Wall	Germany	1800	Bill Meeken
39	Orrery Clock	48	Shelf	UK	1716	Bill Meeken
40	Ornaments	67	Shelf	Novelty		Alan Hazelton
41	Night Clock	13	Shelf	France	1880	Malcolm Enright
42	Mulga wood	18	Shelf	Australia	1950	Tony Roberts
43	Moving eyes mickey mouse	62	Wall	Novelty	1880	Bill Meeken
44	Military Wristwatch	57	Shelf	Special Purpose	1910	Bill Meeken
45	Medical/nurses watch	59	Shelf	Special Purpose	1910	Tony Roberts
46	Mantel German	44	Shelf	Urgos	1830	Paul Ferris
47	Mantel Black	53	Shelf	USA	1880	Allan Roberts
48	Long Case	41	Floor	UK	1670	Museum 30
49	Long case	40	Floor	UK	1700	Museum Skyr #1
50	Le Clip	90	Shelf	Switzerland	1986	Bill Meeken
51	Later clocks	76				
52	Lantern	45	Wall	UK	1500	Alan Hazelton
53	Kitchen Ginger Bread	52	Shelf	USA	1870	Allan Roberts
54	Kitchen Clock	34	Wall	Germany	1900	Museum 51
55	Jobbing Clock	85	Shelf	other	1950	Mervyn Whittenbury
56	Hour Glass	72	Shelf	Other	330	Alan Hazelton
57	Holloway	49	shelf	UK	1850	Ken Durston
58	Herga	14	Wall	Australia	1930	Museum 46
59	Hands Free magnifier	80	Shelf	other	1500	Ken Durston
60	Gravity	65	Shelf	Novelty	1920	Mervyn Whittenbury
61	Gilbert	15	Shelf	Australia	1940	Ken Durston
62	Fusee Clock Movement	81A	shelf	other	1500	Ken Durston
63	Fusee Chain -Clock	81	Shelf	other	1565	Tony Roberts
64	Four Glass	9	Shelf	France	1850	Allan Roberts
65	Eureka	50	Shelf	UK	1910	Alan Hazelton
66	Electric National	36	Shelf	japan	1950	Museum 48
67	Electric Bulb	11	Shelf	France	1920	Bill Meeken
68	Early Zaan –original	37	Wall	Holland	1680	Bill Meeken
69	Early Black Forest	27	shelf	Germany	1750	Robert Pearce
70	Drop dial, school/station	46	Wall	UK	1840	Museum 47
71	Deck watch	56	Shelf	USA	1830	Bill Meeken
72	Cuckoo	28	Wall	Germany	1850	Robert Pearce
73	Congreve	63	Shelf	Novelty	1808	Museum 34
74	Comtoise, automata, Calender	1	Wall	France	1750	Bill Meeken
75	Clepsydra (Water Clock)	74	Shelf	Other	742	Museum 50
76	Chess Clock	75	Shelf	other	1883	Mervyn Whittenbury
77	Cartel	4	Wall	France	1750	Ken Durston
78	Carriage Clock Quartz	8	Shelf	France	1850	Ken Durston
79	Carriage Clock miniature	6	Shelf	France	1850	Tony Roberts
80	Carriage Clock in Case	5	Shelf	France	1800	Tony Roberts
81	Car Clock	78	Shelf	other	1910	Ken Durston
82	Calendar Watch	92	shelf			Tony Roberts
83	Bracket Fusee	42	Shelf	UK	1700	Museum 33
84	Black Marble – Pendule de Paris	3	Shelf	France	1850	Tony Roberts
85	Ball Watch	88	Shelf	Novelty	1852	Bill Meeken
86	Atmos	21	Shelf	Swiss	1930	Bill Meeken
87	Alarm – westclox, smiths	51	Shelf	UK	1910	Ken Durston
88	Alarm	19	Shelf	Swiss	1900	Ken Durston
89	Aircraft Clock	77	Shelf	other	1910	Alan Emmerson
90	400 day quartz	33	Shelf		1970	Bill Meeken
91	400 day Grivolos	10	Shelf	France	1910	Mike Ward
92	400 day early	32	Shelf	Germany	1881	Bill Meeken
93	Vienna regulator	24	Wall	Germany	1880	Ken Durston
94	Mantel Junghans	25	Shelf	Germany	1875	Allan Roberts
95	Cuckoo	29	Wall	Germany	1850	Bill Meeken
96	Braille Watch	60	Shelf	Special Purpose	1821	Bill Meeken

Rules for the NAWCC Chapter 104 Annual Private Auction of horological items on Sunday 17 April 2011. Rocklea Club House, Rocklea, Brisbane - Queensland.

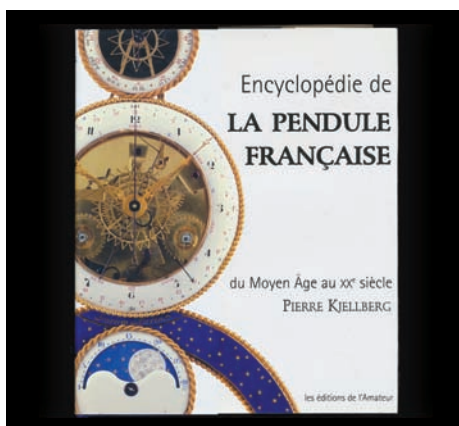
1. Participation in the auction is restricted to financial members of NAWCC Chapters 72, 122, 182 and 104 and Chapter Executive invited guests. All participants authorised by the Chapters may make offers on auction items.
2. The Chapter shall receive 10% of the auction proceeds on all items sold at the auction.
3. The items are offered in their displayed condition and Chapter 104 will not be liable for any error of description, misrepresentation or estimate of value nor will it offer or imply any warranty as to condition or fitness for use. All electrical items are sold as unsafe.
4. The Auctioneer (and, if applicable, assistants) will be nominated by and act on behalf of the Chapter Executive.
5. All participants in the Auction must be registered, allocated a registration number and a sheet of paper with their registration number on it. To make offers on auction items, participants must display their registration number. Offers will not be in less than \$5.00 increments, unless, in the case of small items, agreed by the Auctioneer.
6. Items offered for auction will be sold to the registrant making the highest offer. In the event of any dispute arising, the Auctioneers decision will be made at the fall of the hammer and will be final. At the fall of the hammer the item becomes the property of the successful bidder and is not redeemable.
7. The Auctioneer reserves the right to refuse any offer considered inadequate for the item or made in inappropriate circumstances.
8. All items shall lie at the sellers risk before the fall of the hammer and the Auctioneer and/or Chapter 104 shall not be accountable for any damage or loss.
9. All items shall lie at the purchasers risk after the fall of the hammer and the Auctioneer and/or Chapter 104 shall not be accountable for any damage or loss. At the fall of the hammer the item becomes the property of the successful bidder and is not redeemable.
10. Terms will be cash or cheque payable at the conclusion of the auction and prior to the collection of any item and/or items. No payments will be made to the seller on the day, but payments will be forwarded by Chapter 104 when all accounts have been processed. Any other arrangements with respect to payment or collection must be by negotiation with the President of Chapter 104 and/or the Treasurer of Chapter 104.
11. Items may be collected and/or removed only after the auction has concluded and then only upon the production of a receipt. Collection of items will be managed by designated Chapter 104 members, and it is the purchasers responsibility for the removal from the auction site of items purchased. No unsold items shall be offered for private sale or exchange until removed from the Auction premises.
12. No liability shall attach to Chapter 104 Inc. or to any of its officers or members in respect of the conduct of this auction.
13. Under no circumstances will the sellers identity be disclosed.
14. These conditions do not preclude the inclusion of other conditions deemed appropriate to a particular auction.

Library Reflections 2010

Clearly the most exciting event in the life of the clock club this year has been the move to our own club house at Rocklea. What a bonus it's been for me as librarian, but even more so for members.

Previously, one of our cabinets was locked away in a store room at the back of the Bowls Club. There were also two cabinets upstairs in a tiny office offside from the workshop and only available on workshop days. Altogether a very inconvenient and cumbersome system. The move to Rocklea has meant that all members now have access to all the cabinets and their contents are more effectively presented. For example, all the NAWCC Bulletins going back to 1974 are now chronologically cataloged and readily accessible. They have now become available to members, something that was previously impossible. There are some useful and interesting articles for members.

This reorganization has been reflected in the greater number of books, magazines etc that have actually been borrowed by club members. Loans have trebled in number. As well, subscriptions to the Clocks magazine, the BHI Journals and the Antiquarian Horology Magazines will be continuing into 2011. We also have a range of newsletters from interstate clubs which allows us to keep abreast of their activities.



In terms of book buying, the club has invested in a French language, exquisitely illustrated book entitled "Encyclopédie De La Pendule Française", the ultimate guide to all types of French clocks. This, to my mind, has been the best buy of the year. On the Australian front, two new editions authored by Judy and Ken Hose, entitled "Clockmakers and Watchmakers in Victoria, Settlement to Federation" and "Ziegeler, Melbourne's Clockmaker" have been purchased.

By the end 2010 the club has approximately 270 books, a selection of DVDs and videos, and a huge number of magazines. It's member subscriptions that will keep these numbers growing. I would like to see considered the introduction of a postal scheme in 2011 to reach members who live well out of the Brisbane area and are unable to attend meetings or workshops.

A reminder too, the library list is on our website; <qldclocksandwatches.org.au>.

I trust club members had a successful and satisfying 2010 and look forward to an even more successful 2011.

Jeff Dyer - Librarian.

Left: Drop in and visit our cartoonist from Florida USA - Carl D'Agostino's blog: <http://carldagostino.wordpress.com/author/carldagostino/>

The January 2011 installment of the on-going astronomical skeleton clock construction is ready at: http://www.my-time-machines.net/astro_07-10.html.

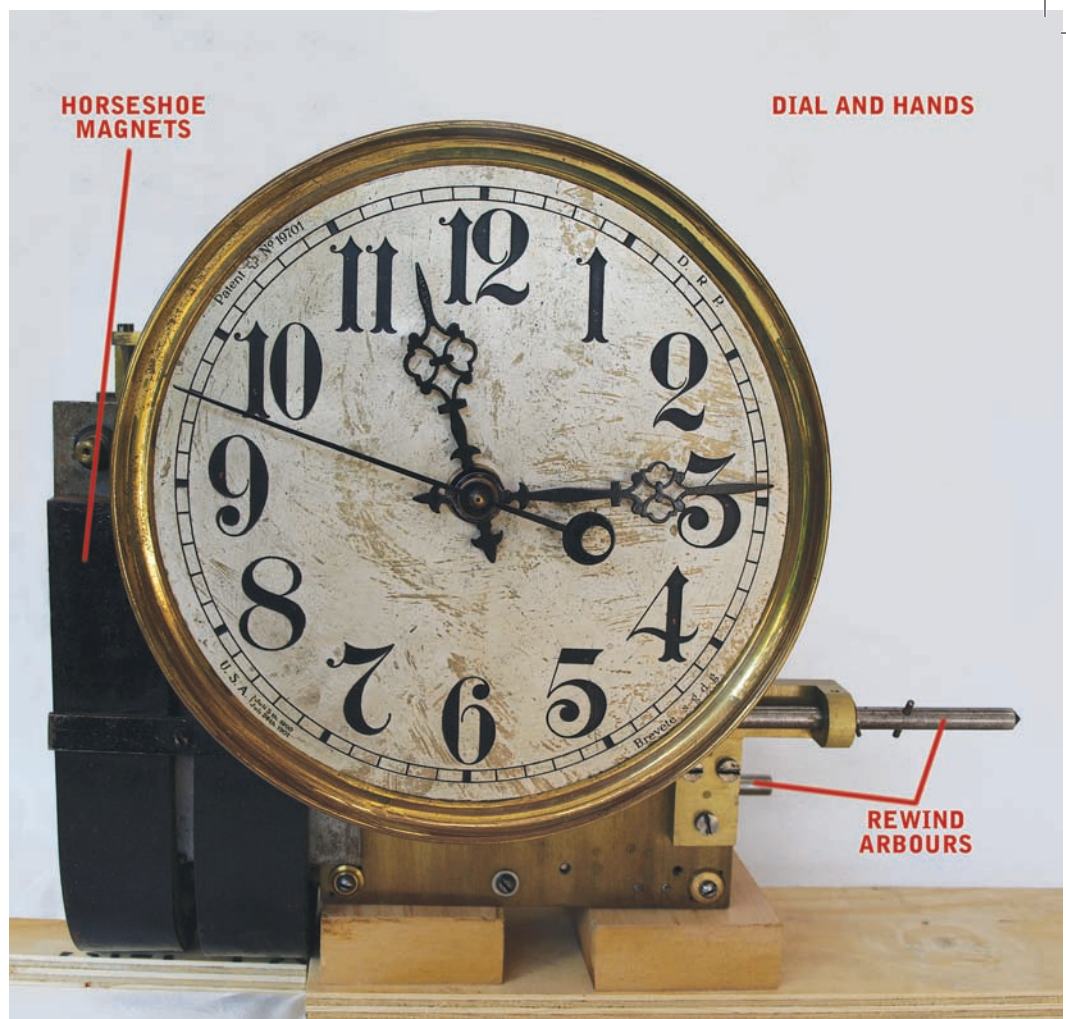
This installment will be a treat for the eyes. The time train and central sub plates are now cut out and the works within mounted. The effect is visually stunning as I think the photos will prove. The effect the fabricator has achieved is exactly what I had envisioned. We have a classical foundation that supports an organic forest in the form of the wheelworks supported by curvilinear trees. A new set of videos have been uploaded to YouTube at my channel here: <http://www.youtube.com/user/fgtyc?feature=mhum>. I had no choice in how the videos are placed in the ranking order so the first one is not the best, click on any of the next three and I think you will like what you see. As always comments are welcome.

Mark Frank - Chicago USA.



A Recent Acquisition by Tony Roberts - A Swiss Magneta Master Clock.

As a collector of electro-mechanical clocks there is always the desire to purchase something out of the ordinary. The clock was listed in a Melbourne clock auction as a Magneta Switzerland, master clock. It was one of two in the auction, I visited the auction preview, but after seeing the price estimation decided that I could not afford to bid on either clock. I was then surprised that one of the two clocks had been passed in. To cut a story short, after two years of discussion, negotiation, and very helpful assistance from Vivian Kenny, President of the Melbourne Chapter, the clock which was passed in is now in Brisbane and undergoing extensive conservation and restoration work. The Swiss Magneta I purchased is housed in a nicely proportioned floor standing mahogany long case standing 2.3 metres high with a silvered Arabic numeral dial and centre seconds.



The name Magneta to electromechanical horological enthusiasts generally brings to mind two types of clocks, Swiss and English.

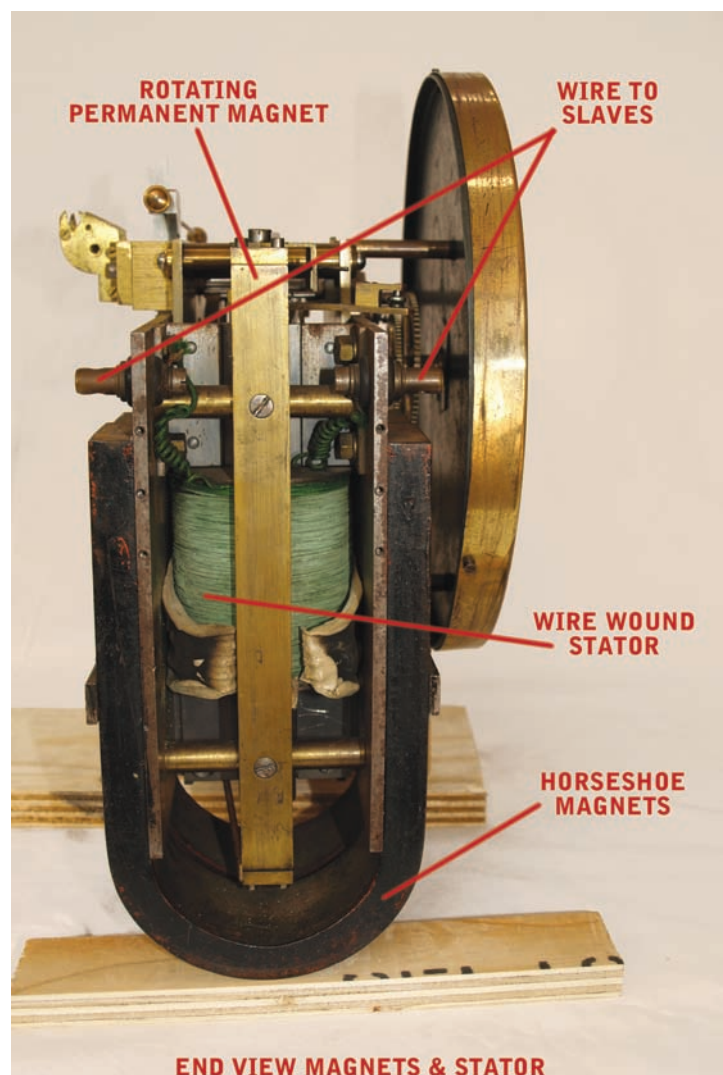
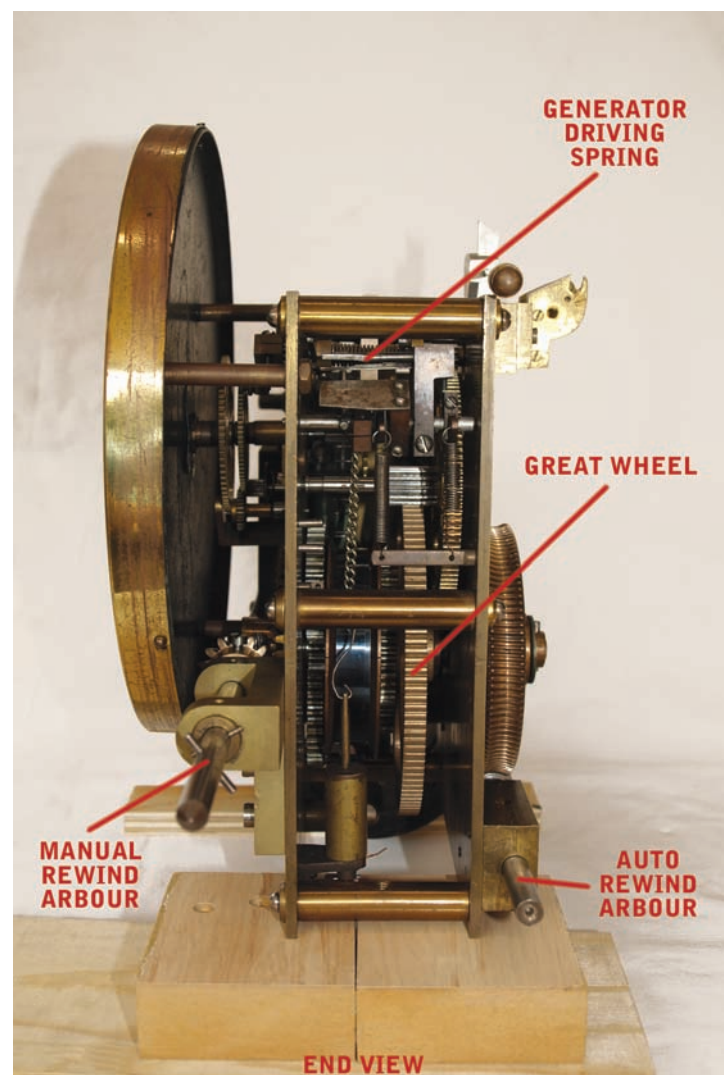
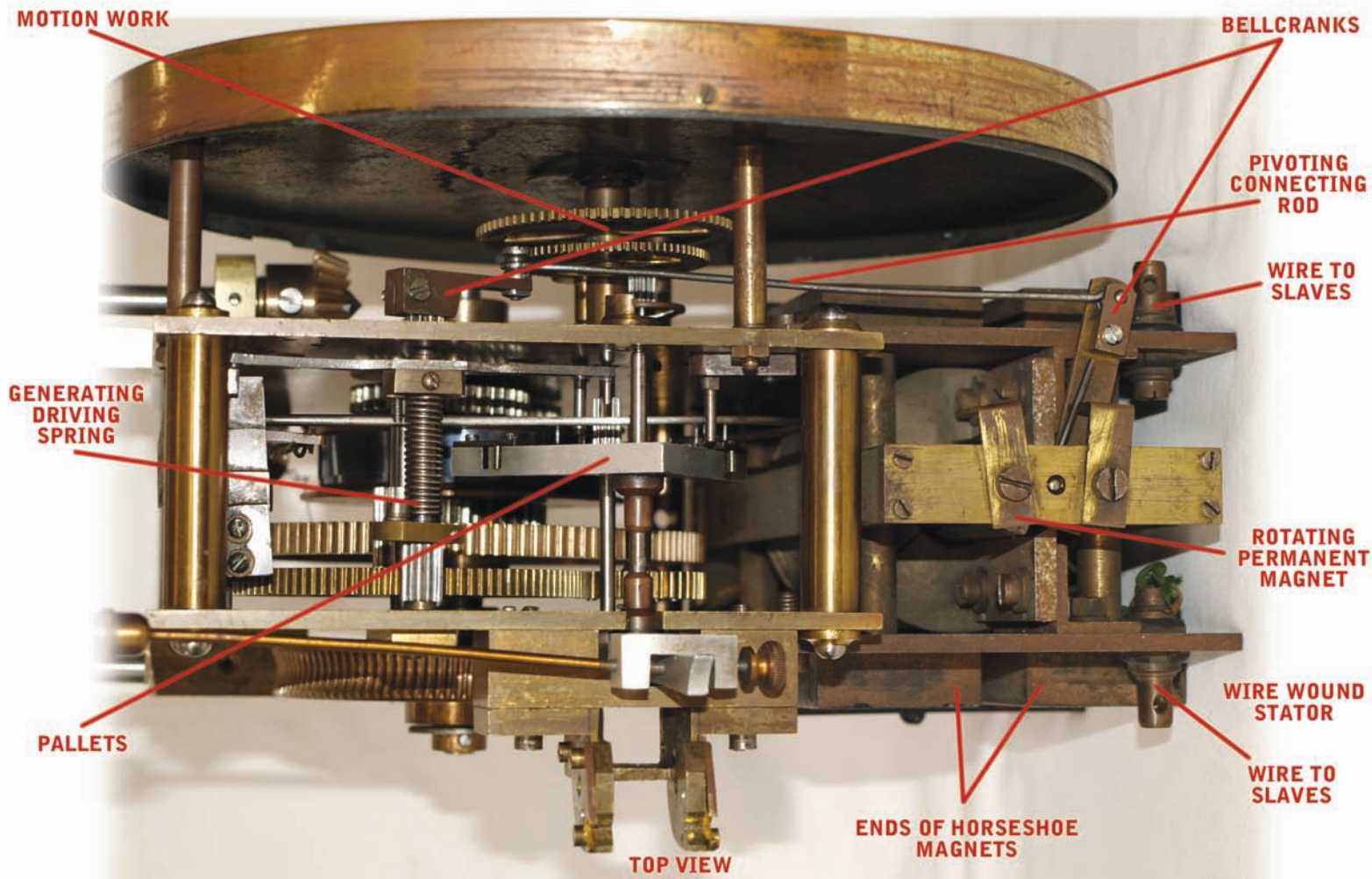
- Magneta (or Inducta) system in Switzerland commenced production circa 1900 and was advertised as without batteries or contacts. They were exported to the UK, France Germany and the United States and some also finding their way to Australia, through Ingram Brothers in Melbourne.

- Magneta in the UK, originally imported Swiss Magneta clocks and in their later years, post 1939, produced pendulum master clocks for the Post Office of the Hipp toggle design, used for producing timing signals in telephone exchanges. These are now collectable in their own right.

The Swiss Magneta system was invented, designed and patented by Martin Fischer of Zurich circa 1900. It is an ingenious mechanism with the weight driven master clock producing its own current from an electric current pulse generator to drive secondary or slave clock movements. The generator is attached on one side of the master clock movement. No batteries or contacts are required. The master clock movement is mechanical with

a Graham dead beat escapement and an invar pendulum. Depending on the type, manual winding may be required daily (at least 150 turns of the crank handle), unless automatic winding is installed. To operate the secondary or slave clock movements the master clock movement winds a spring located on an arbour between the plates and releases the spring each minute. On release the spring drives through two bell cranks and a pivoted connecting rod drives a permanent magnet rotating armature through half a turn. This armature is located between two large horseshoe magnets and a stator coil. The rotation is enough to provide current for the secondary or slave clocks in the system. A very heavy weight is used to drive the movement and generator on this clock. The weight is designed to be about 23 kilograms and would be capable of driving up to 25 secondary or slave clocks. Some larger systems as stated in their advertising brochures are capable of driving up to 100 of these clocks.

The main benefits of this system are that there are no contacts and no batteries, which means no sparking contact points and no batteries to maintain and keep charged. The advertising announces a reduction of maintenance on the overall system. By looking at the elaborate



movement and the cases, these were expensive clocks to produce. The research so far includes several facts about their production in Switzerland and perhaps a limited production of cases in the UK. In Switzerland, Landis and Gyr bought out Magneta in the late 1920s and master clocks produced by them after 1933 used the name Inducta.



Clocks imported into Australia usually have an engraved brass plaque Ingram Brothers Electrical Time Systems without Batteries or Contacts. From brief research Ingram Brothers was a Melbourne firm and was the sole Australian importer of these clocks. The company is now trading as Ingram Time Systems. Studying the history of these clocks in Australia would make an interesting research project. As with all horological research I would welcome any information.

I should mention at this stage that all was not well with the clock I purchased. The major problems being, incorrect crutch arrangement, incorrect pendulum rod and bob plus an incorrect weight. The restoration so far has been limited to restoration of the crutch, suspension and a pendulum rod and bob along with the construction of a weight shell.

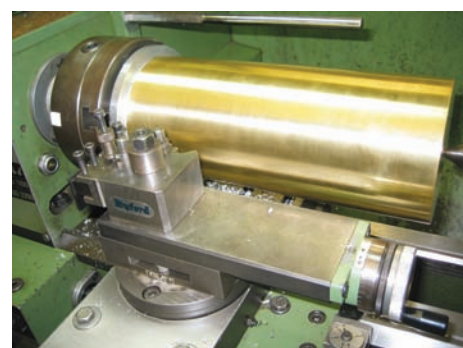
I have recently (November 2010) been fortunate in obtaining a three quarter second master clock, from an unknown maker which produces the same current impulses as the Magneta master clock. Along with this master clock came six slaves of different diameters. I have been able to match one of the small slave dials with the Magneta master and it is operating reliably.

So, that is the story to date. Yes, this is another project to add to the many others in the workshop, but the purchase was a once only opportunity to own such an unusual clock and open an opportunity to research another important sector of electromechanical horology.

A Weighty Problem?



The weight for this clock is lead, encased in a brass shell. It is 115 mm in diameter and 255 mm high, normally weighing in at approximately 23 kg. I had enough lead given to me and collected over the years, the problem was the shell. The brass tube is available commercially albeit expensive. The answer came in the form of a cartridge casing from a 105 mm howitzer, which I had been given by one of my ex Army mates. On measuring, the casing it was approximately the correct diameter but too long. The problem would be turning off the rim and cutting it to



length. The percussion cap and the surrounding brass plug were removed from the base and replaced with a small brass female centre mandrel. This enabled the casing to be held in the lathe and the rim removed as shown in the photo. It was then removed from the lathe and cut to length using a circular abrasive disk in a Dremel tool.

The most difficult part of the exercise was the trimming of the rough edge where it was cut to length. The rough edge was placed in a tight fitting sacrificial mandrel and fitted in the lathe as shown in the photo. A parting tool was used to trim the end, cutting into the mandrel at slow speed. A top was turned from 1.5 mm brass using another mandrel, all other fittings were made and the weight casing assembled.

With the assistance of Allan Roberts we melted 14 kg of lead and poured it into the casing, again. I am only using 14 kg as the clock is only powering one slave clock at present. I plan to make some lead donuts to add weight when required.

115 mm

Tony Roberts



255 mm

NEW BRASS WEIGHT SHELL



Workshop Report 07 November 2010.

The meeting was well attended by 24 members and 1 visitor and proved to be a very busy meeting, with the usual wide variety of clocks seen.

These meetings are a very valuable opportunity for the interchange of Horological information and this one was certainly no exception.

If you do not attend the workshop meetings come and experience them. There are no formalities, commencing at 9.30am finishing at 4.30pm, if you have a clock which requires attention bring it along with your tools. If you have problem, don't know what is wrong there is a good chance that there will be someone who can help you. You have the use of the Chapter's Ultrasonic parts cleaner, spring winder and other tools.

The whole day is very informal, stopping for lunch about midday; during the lunch break we have an interesting clock related short (approximately 30 minutes) talk. This particular meeting Allan Roberts gave a talk on some clock case repairs that he has undertaken. There would be very few people who would not have learnt something from Allan's short talk (his notes follow in this issue).

Colin Chadwick was seen adjusting the minute wheel of an 1874 bracket clock. I think it was one I have not heard of previously 'SSS Fabik'. Henry Braun has had some bad health but is still soldering-on and was busy repairing a 'Mini Como' Carousel clock. There was a drop dial clock that kept stopping; it would at the same time, but not every day; Alan Cain thinks that he has fixed that problem by straightening a slight bend in one arbor. I had a 1920 Bulle model A, these are lovely old clocks but they can be a little bit

cantankerous. This one had run quite well for about three years and then abruptly stopped and could not be encouraged to work. At a previous workshop it had been remagnetised, but that was not the problem. These clocks work on 1.4 Volts and poor connections and contacts in the workings of the clock will stop it. This one had some dirty contacts and went home working well. On the subject of electric horology it would be good to see more electric clocks at the workshops. Norman Heckenberg took a group of members through a series of training lectures and workshops on magnetism and electricity. There must be a few Bulles, Eureka's, Tiffanies, Hettichs and so on within the Chapter; surely some of them would benefit from a day at the next workshop. I hope to see your electric clocks to the next workshop. Brian Moore found that springs can differ and some replacement springs that he was working on just don't seem correct. The suspension spring in Harry Boevinks Urgos chimera required adjustment. I cannot warm to plastic parts in clock movements, yes Bakelite cases and bases are fine in period clocks, but I don't like plastic wheels and neither does Yan Yiu who found the threads in the wheel of a 400-day Schatz were stripped. Neil Herbert has been busy and showed a ninety pin escape wheel that he had made for a skeleton clock. 400-day clocks continue to be popular and Mark Chalmers stripped and cleaned his Schatz. Eddy Penning received some instruction when Ken Durston straightened the pin wheel pivot of an Enfield two train that had been crudely rebushed.

Allan Roberts was busy helping a number of members with their clock problems. At lunch time Allan gave

a well informed talk on some clock case repairs that he had undertaken, it was interesting how he removes the warping from a board. There were a number of photographs projected showing various stages of before and after.

Paul Hutchinson - Secretary.

Clock restoration.

At our workshop meeting on 7th Nov 2010, I gave a talk on the restoration of an Ansonia King mantel clock. Our workshop co-ordinator has asked me to write a piece to highlight some of the key points I spoke about.

When I first started collecting and restoring clocks, this is what I started with: my Grandmother's Ingraham kitchen Gingerbread mantel, it was totally wrecked and was given to her originally as a wedding gift.

I would recommend these clocks to anyone starting off in the hobby as they are cheap to purchase and the variety in them is almost limitless. They make quite a nice display in a room when placed together.



To start the restoration I completely strip the clock of all parts and place the case in a tray and wash with methylated spirits. This removes all the old shellac and softens the animal glue that they were originally fixed with. You will find that the methylated spirits will have to be changed a few times to clean the case of all shellac. A soft brass brush will help with removal assisted by a good stiff paint brush. To prise apart the different components of

the case I use an old stainless paint scraper about 40mm wide with the steel going through the handle. This enables you to tap it with a hammer for some of those stubborn joints. Please be gentle and take your time as some of this timber will crack. Remember that it is 100 years old.



If a piece is still well glued and in sound condition I would leave it together. After sanding and inspection of all parts you can start reconstructing the case. This is not a quick process as you have to glue some parts and wait for them to dry before moving on to the next piece.

I only use PVA glue for all my wooden case work and it is necessary to have a good supply of clamps available. I use the IRWIN ratchet type exclusively because when working on your own it is difficult to hold pieces and clamp at the same time. My advise is that you cut blocks of wood to space the timber pieces when you clamp as you will pull it out of square if you don't and when the glue sets, this can present you with a major problem later on.

The movement is really another subject I'm sure we will focus on down the track. My caution is that when rebuilding an American movement - please don't hold back on the rebushing as I have rarely found one that did not require this attention. I could write much more on these subjects but space in the newsletter will not allow, this time.

Remember, workshops should be the first port of call for new members who wish to get some glue on their hands and dirt under their nails & their clocks fixed. If you have questions please do not hesitate to ask. I do not pretend to be an expert in this but I have gained a lot of experience working on my own collection, happy clocking.

Allan Roberts - Vice President.

Minutes for General Meeting 06 February 2011.

Held at the Balmoral Bowls Club.

Present: There were 31 members present as per the attendance book. Apologies: Received from Nev Leigh, Colin Hill, Keith Hallet, Michael Bauer,

Visitors: No visitors.

Opening: President Martin Willis opened the meeting at 2.20pm, Minutes from previous meeting: Copies of the minutes of the 8th August 2010 meeting having been circulated. It was moved by Norman Heckenberg and seconded by Mike Ward that they be accepted. Motion carried.

Business Arising from Minutes: nil.

Correspondence Outward: Letter of thanks and a photo album donated by Jeff Mc Guire to the Mayor of Toowoomba apropos the Town Clock. Email & Australia post: Copies of the agendas AGM and GM to all members.

Email: Seeking assistance with the flood clean up.

Email & Australia post: Copies of reminder notices, membership fees and auction to all members.

Correspondence Incoming: Letter of thanks from the Mayor of Toowoomba. Nominations for Management Committee for 2011. Treasurers report: Bill Meeken presented the Treasurer's report and moved that it be accepted. Seconded Alan Emmerson; motion carried. General business: Alan Roberts spoke in detail of the circumstances leading up to the leasing of the Rocklea show grounds site. He told of his enquiries into the likelihood of flooding and was assured that it didnt flood in 1974. There was little to be done to the rooms and they will be restored for the next Chapter workshop. Martin Willis spoke of his intentions to ensure that adequate and timely steps are taken when the next flood warnings are issued.

The watch segment: Tony Manton presented the watch segment - the topic for the day was Jaeger-Le Coultre watches. A great deal of the company's early history firstly; the developments from 1851-1881 era. Jaeger-Le Coultre was awarded the prestigious Gold medal at the London exhibition. One interesting fact was that Jaeger-Le Coultre was a major manufacturer of rough wheels, pinions, arbors and other parts to be finished and used by the

manufacturing trade. Tony invited Ian Aitchison to join the presentation and he spoke on the thumper model and features of the self-winding (automatic) model. There were not very many actual Jaeger-Le Coultre watches on display, one very unusual "Reverso" model.

Show and tell: Ken Durston spoke of an eight day Sweda alarm clock (made in China) that he is fond of. Alan Emmerson spoke of an unusual clock in a Jaguar car. Tony Manton told of two apparently similar Omega seamaster watches in his collection. He attempted to change the backs from one to another, only to find that the diameters were slightly different. Just because they appear identical, the parts may not be interchangeable. Allan Roberts showed two magnificent restoration projects on cast iron case clocks. Both were sand blasted prior to being re-sprayed and Jeff Dyer gilded the ornaments; the result was two outstanding clocks. Alan Hazelton showed a very unusual cast iron Ansonia which originally came with a choice of three different figurines on top. Alan had unfortunately dropped this clock and was offering it for sale as is.

Martin Willis declared the meeting closed at 3.55 pm.

Paul Hutchinson - Secretary.



Workshop Report 06 March 2011

Twenty seven members attended our first workshop for the year mostly with a project under their arm.

This is also the first meeting in our club rooms since the flood and therefore reestablishment of our tools and library was the order of the day. Jeff Dyer worked most of the day cataloguing and reinstating our books in the correct places. He put a great effort in collecting the books after the flood, storing them at his home and returning them to the clubhouse. A big thanks to Jeff.

Tony Roberts gave an excellent lunchtime talk on Fusee Clocks.

Tony's talks are always well prepared and researched as demonstrated in this one with reference books and clocks to explain his subject. Thanks and well done Tony.

Sunday marked the start of our beginners course, we managed to pull some movements apart, clean, inspect for wear and polish some pivots. We will continue with this project at the next meeting.

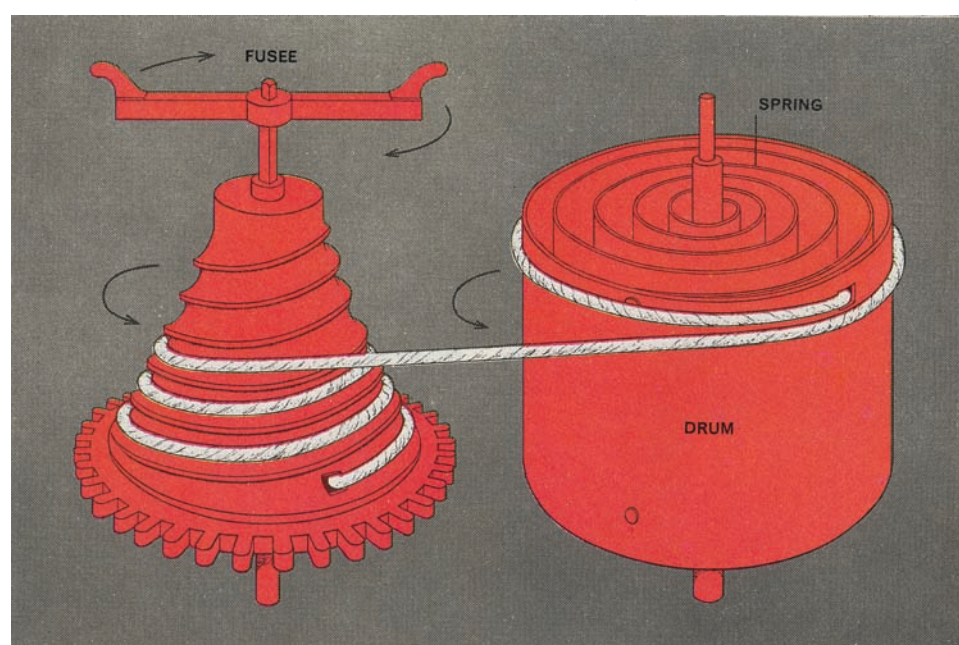
There seems to be good support for a short workshop preceding the general meetings. This will start on April 3 from 9:00 am for a trial period and if it gains support it will be kept going.

Allan Roberts - Workshop coordinator.

devices used on both hour and minute hand. Minute hand retaining washer.

Types of hour hand attachment

- Letting the movement down safely.
- Pre-tension, what is it and how much?
- Maintaining power, if fitted. The fusee iron and fusee stop hook
- Removing the chain/gut/wire. Securing points and how to secure/tie wire and gut. Note how chain/wire/gut is wound between spring barrel and fusee.
- Disassembly including the fuse from the great wheel.
- Removal of the spring, observations, cleaning the spring, checking spring arbour end shake and



Lunchtime Talk - Movement Workshop March 6 2011

The English Fusee Time Only Movement presented by Tony Roberts.

The lunch time talk/discussion at the January Movement Workshop will focus on the English Fusee Time Only Movement. This movement is the basis of many wall and bracket clocks produced in quantity from the early 1800s till the 1950s. These clocks are sought after by collectors and restorers alike as examples of high quality robust movements which are relatively easy to restore and give long periods of trouble free service.

There will be an informal talk/discussion and use the following points as a guide:

- Understanding the theory.
- Observations. General operation, possible bushing, notes, notes and more notes!
- Hand attachment and friction

spring fitment in the barrel.

- Overall movement examination, general wear, what is missing, bushing considerations. More notes!
- Pallets wear and refacing possibilities.
- Cleaning, restoration, bushing, pivot polishing etc.
- Assembly, oiling, how to get the chain back in the correct place.
- Test run.

If you have a movement, or bits of a movement, bring them along, if you have a complete cased timepiece, bring it along. If you do not have a fusee movement, come, listen and join the discussion.

Please note: Unfortunately there will not be time to talk about fusee watches, chronometers, striking and chiming movements, please leave them at home, we can cover them at another time if there is sufficient interest.

Tony Roberts.

President's Report April 2011.

Dear fellow members, our last meeting of 2010 was the Christmas party in December, we had nearly fifty members and partners attend the Rocklea club rooms. The excellent lunch was provided by Jenifer's Catering and the silent auction provided a good display of clocks.



The silent auction was well supported with reasonable sales. I think every one had a good afternoon with the opportunity to catch up with old friends and make new ones. Both lucky door prizes were won by a surprised 'husband and wife' team; Paul and Val Hutchinson.

At the AGM we had three major changes to the committee, the Secretary is now Michael Bauer.

The Treasurer's position is now in Michael Ward's capable hands and Workshop coordinator and Vice President position is with Allan Roberts. The other management positions remain the same.

The Management committee has met twice since the AGM and all the necessary paper work has been completed so that the new committee positions can function properly.

Unfortunately the AGM had to be held at the Bowls Club as the Brisbane flood gave us a 2.2 meter high water level in the Rocklea club house.

When we took on the club house at Rocklea we were told that the area did not flood but unfortunately this was not correct as we have now found out. Luckily Allan Robert's son, Mark and his friend Graham Martens were able to dodge the police road blocks and get into the club house early on Thursday the 13th and put all the Library books up high out of harm's way.

When we went to inspect the rooms they were all full of mud so the committee with the support of a few members were able to clean things up over the following two weekends.



2 m.

1 m.

**In appreciation for the effort
in saving our
Chapter 104 Library
Jan 2011 floods.**

Presented to:

**Mark Roberts
Graham Martens**

Signed on behalf of:

*Martin Willis
Allan Roberts
Michael Bauer
Michael Ward
Margaret Enright
Jeff Dyer
Norman Beckenborg
Alfred Macleod
Bill Meekins
Paul Hutchinson*

on the Sunday morning. As you can see from the auction program we have moved the start times forward half an hour to cope with the extra auction items.

So please insure that you get your items checked-in early or take advantage of the Saturday check in.

As usual we are looking for volunteers to help on Saturday and Sunday so if you would like to help please ring me?

We are having the usual sausage sizzle and salads for lunch \$10.00 per head but **BOOKING IS ESSENTIAL** so please ring me with your numbers.

This is usually a great day so bring all your money along and expect to pay a sensible price for the items. This year we will be offering a suggested price range that the item might sell for so please check this out on the day.

General Meeting.

These meetings continue to be well attended so I hope you are o.k. with the current format, if you have any suggestions or would like to present a topic please let us know.

The library is available at general meetings and workshops now that we are at Rocklea. Please check the web site for the list of library books available.

The mart is always popular for viewing and there has been the odd high-priced sale made.

Everyone is encouraged to bring something to the mart even if it is only one item.

Please keep the Show n' Tell items coming as this segment is always most interesting.

Tony Manton is to continue with the watch section this year, his segment has been an interesting topic during the meetings over the last few years.

Please make sure you continue to wear your name badges as it does make things easier for new and old members when talking to you.

Some members still have not renewed their membership for 2011 so those old members will not receive this newsletter, unfortunately. Auction day is your last opportunity to renew for 2011 after this you will be charged the usual joining fee of \$15.00 + your subscription dues.

All the committee look forward to seeing you all at the next auction event.

Martin Willis - President.

So a huge "thank you" to all those who helped in the clean up activities. It was amazing to find out just how heavy wet carpet is to move around, I can tell you.

The club rooms are now back in action and we have held our first workshop meeting there on Feb 06 2011.

I was pleased to see the workshop was very well supported, Allan is introducing new instruction / education programs into the workshop. Basic American movement repair, 400 day and basic watch repair, so I hope you will all contact him to book your place. See his report on page 8.

Our big event - Chapter Auction.

Once again we have our premier event on Sunday April 17 - the annual auction. The entries are now closed and you should all have received your catalogues. This year we have some 500+ items so we are allowing items to be checked in on the SATURDAY afternoon after 2.00 pm at the Rocklea club rooms. BUT please contact me 07 3893 3576 before Monday April 11 to book an appointment time, this way we can ensure sufficient workers will be available?

We are setting up all the tables and chairs on the Saturday afternoon so there will be less pressure on us,

The Antiquarian Horological Society, forthcoming book. 'Synchronome - Masters of Electrical Timekeeping' by Robert H.A. Miles.

If you would be interested in purchasing this book please register your interest in advance. This will help ensure that the size of the first print run is tailored as accurately as possible.

Registering an interest does not commit you in any way.

To register an interest in this much anticipated book, please send your name and contact details to <synchronome@ahsoc.org> you will then be notified of any updates, and of the release of the published book. The Antiquarian Horological Society is delighted to give advance notice of its publication of Bob Miles's long-awaited book on Synchronome. After more than fifteen years in the research and writing, this gargantuan project is nearing its closing stages with final details of printing and binding being discussed.

To give you a flavour of what to expect, here are some important features:

Size: quarto book size (pages are 305mm x 241mm).

Binding: thread sewn hardback book, with fine quality cloth cover and full gloss dust jacket.

Paper: 150gsm silk art paper.

Pages: approx. 265 pages (120,000+ words).

Illustrations: more than 300 illustrations, mostly in colour, many bespoke for the book.

Chapter Plan:

Chapter 1 charts the lives of all the key characters of the story (Frank and Robert Hope-Jones, George Bennett Bowell, William Hamilton Shortt and a variety of key employees). It covers the early history of the firm from the 1890s, through troubled times, world wars, involving the triumphs of precision timekeeping, factory expansion, the diversification of products, all the way through to the firm's eventual demise, illustrated throughout with pictures of the key figures and places. Chapters 2 to 5 chart the development of the Synchronome master clock through all its forms, variants and uses, profusely illustrated, with details of rare and unusual models. The chapters are divided as follows: 2 - The Years of Pioneering 1894–1905; 3 - The

For the purposes of this book, the known clocks have been allocated arbitrary reference numbers for identification and have been grouped into types. None of the early clocks prior to 1908 was fitted with a dial showing hours and minutes; instead, the time would have been checked on a separate adjacent impulse-operated dial.

SURVIVING CLOCKS

It is not known how many of the master clocks fitted with recoil or dead-beat escapements and made in the period 1894 to 1908 exist, since most are in private collections, and some undoubtedly remain unrecorded. It is unfortunately inevitable that only a small fraction of the clocks produced will ever be found. Fewer than twenty have been located worldwide, even though it was stated that by 1905 four hundred had been installed, and production continued until about 1908.¹⁴ The Synchronome Company would itself have contributed to their disappearance, since most would have been removed and replaced by the later more robust and reliable design, and possibly the cases were sometimes re-used. It is likely, too, that some parts of the movements were later used to form the basis of marine clocks (see Ch. 12). Because of this very low survival rate, and the lack of knowledge of each individual clock's history, accurate dating is virtually impossible and the remaining clocks cannot be presented in chronological order with any degree of certainty, although an attempt has been made here to trace an evolution.

The earliest surviving clock (which we therefore designate No. 1) is thought to be that shown in Figs. 2/14 and 2/15 and it probably dates from around 1898. The oak case has a moulded flat top and a decorative bracket under the bottom of the case. The door is fitted with a single lock, and the top and bottom rails are decorated with a horizontal grooving. This design does not appear in any of the catalogues. The movement is mounted on a lacquered brass back plate held by four pillars onto a wooden plate attached to the backboard of the case. The electromagnet is fixed to a brass block through which the ends of the pole pieces pass. The straight armature is pivoted in extensions of this block. The clock has a wood rod pendulum with lead bob. The gravity arm contact is held by an ebonite block and is insulated from the gravity arm, whereas in the diagrams of the earlier clocks the coil assembly and armature were insulated from the back plate. The back stop which holds the ratchet wheel while the gravity arm is reset is pivoted between the front and back plates. The escapement is typical of that used in German Vienna Regulators and the mechanical part of the movement is almost certainly of German manufacture.



Figure 2/14.
Master clock movement c.1898.



Figure 2/16.
Movement of the Chatterham master clock installed January 1899.

Years of Development 1905–1918; 4 - The Years of Achievement 1918–1960; and 5 - The Final Years 1960–1980.

Chapters 6 and 7 deal in detail with slave dials, their form and design, famous installations, and a variety of ancillary pieces of equipment produced by the firm, such as programmers, distribution boards, batteries, warning lamps and so forth.

Chapters 8 and 9 explore in detail the development of precision clocks by William Hamilton Shortt, and include extensive extracts from previously unpublished sources, as well as high resolution photographs of the prototype Shortt clock, No.0, commissioned especially from the National Museum's of Scotland for the book. Appendix 2 contains a detailed list of all known Shortt clocks, the detail of their order-book specification as well as original location and subsequent history where known.

Chapters 10 to 12 round off the story with an account of Synchronomes involvement in the transmission of time by wireless, its adoption of the synchronous clock, and the development of marine clocks. Chapter 13 will be invaluable to collectors and conservators since it

gathers together crucial information on the repair, set-up and maintenance of Synchronome clocks and dials, again profusely illustrated with clearly labelled colour pictures and diagrams.

Appendix 1 provides dating charts that illustrate the progression of Synchronome designs, the various detailed elements of the clocks, and also the correlation between serial numbers and dates.

Appendix 2 provides a list and description of all Shortt clocks. Finally, the book has been indexed thoroughly, producing more than 2,000 references.

What will it look like? To give you an idea of the layout and content of some typical pages, I have downloaded just one of the page thumbnails, processed the one above to give everyone an idea.

What will it cost? The price will be £50 for AHS members and £65 for non-members, plus postage & packing in each case. International purchases will be made possible by Paypal in time for publication. Registering an interest does not commit you to a purchase. To ensure you have a chance to acquire a copy of this important book please register on-line now! Malcolm Enright - Editor.

MARCH 2011						
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JULY 2011						
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AUGUST 2011						
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22	23	24	25	26	27	28
29	30	31				


Chapter 104 Program to date for 2011.

 Sunday 03 April General Meeting - 'Hermle, movements, accessories and parts' - Jeff Beaman.

 Sunday 17 April Auction

 Sunday 15 May Workshop - 'Drill Sharpening' - Alan Caine

 Sunday 05 June General Meeting -

 Sunday 03 July Workshop

 Sunday 07 August General Meeting

11, 17 or 18 September Workshop

Sunday 25 September Provision for extra workshop(s)

Sunday 09 October General Meeting

17 or 18 October (Special meeting, to be advised)

Sunday 06 November Workshop

Sunday 04 December Christmas Party

General Meetings, Workshop and Special Interest Group Meetings are now held at the **Chapter 104 Clubhouse, Rocklea Show Ground. UBD - Map 199 (I-6), 1430 Ipswich Road, Rocklea. Use gate, corner Ipswich Service Road & Goburra Street** commencing at 12.30 pm and concluding at approximately 4.00 pm. Mart items should be set up for 12:30 pm start. Afternoon tea & coffee is provided but please bring a plate to share. Please bring interesting new items for Show'nTell as this segment proves to be most popular.

Workshop and Special Interest Group Meetings commence at 9.00 am & concluding at 4.30 pm.

We are interested to trial a Mini-Workshop commencing at 9:00 am on the days set down for General Meetings (which commence at 12:00 noon). At the next General Meeting on the April 03 members are invited to bring their projects in. If this trial gains support it will be kept as a part of the General Meetings. People wishing to continue on the beginner's course are welcome to bring their clocks. Bring lunch, morning and afternoon tea provided, but please bring a plate to share.

Password for Chapter Web Site:

The Chapter web site address is <qldclocksandwatches.org.au>

Certain parts of the website are for members only.

The password for this area is <<chapter104>>

Currently there are only newsletters in this area.

POSITION	NAME	EMAIL	PHONE
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Vice President	Allan Roberts	allan-r@bigpond.net.au	07 3277 7858
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Committee Member	Bill Meeken	menengai@tpg.com.au	07 3882 1213
Committee Member	Paul Hutchinson	jphutch@tpg.com.au	07 3263 2694

Chapter 72 Program to hand:

Unless otherwise noted,
Chapter meetings are
held on Sundays:
in the Wentworthville
Uniting Church Hall
near the corner of Station
& McKern Streets,
WENTWORTHVILLE,
NSW commencing
1.00pm to 5.00pm

03 April 2011
'How the watch was worn'
- Genevieve Cummins

16 April 2011
Autumn Workshop - 'Back to
basics', Clock and watch repair
and restoration, details and
requirements to be advised

05 June 2011
'The universal time line & the
big bang' - Professor John
Webb University of NSW

07 August 2011
Annual General Meeting
+ 'Bentley's master clock'
- Graham Mitchell

27 August 2011
Chapter 72 Annual Auction

17 September 2011
Spring workshop, more
of 'Back to the basics'

Chapter 122 Program to hand:

Meetings are held every third
Monday of the month at the
Eley Park Community Centre
Eley Road BLACKBURN
SOUTH VIC at 8:00pm

21 March 2011
'Naming and dismantling
a watch; a guide for the
novice' - Charles Switzer

18 April 2011 to be advised

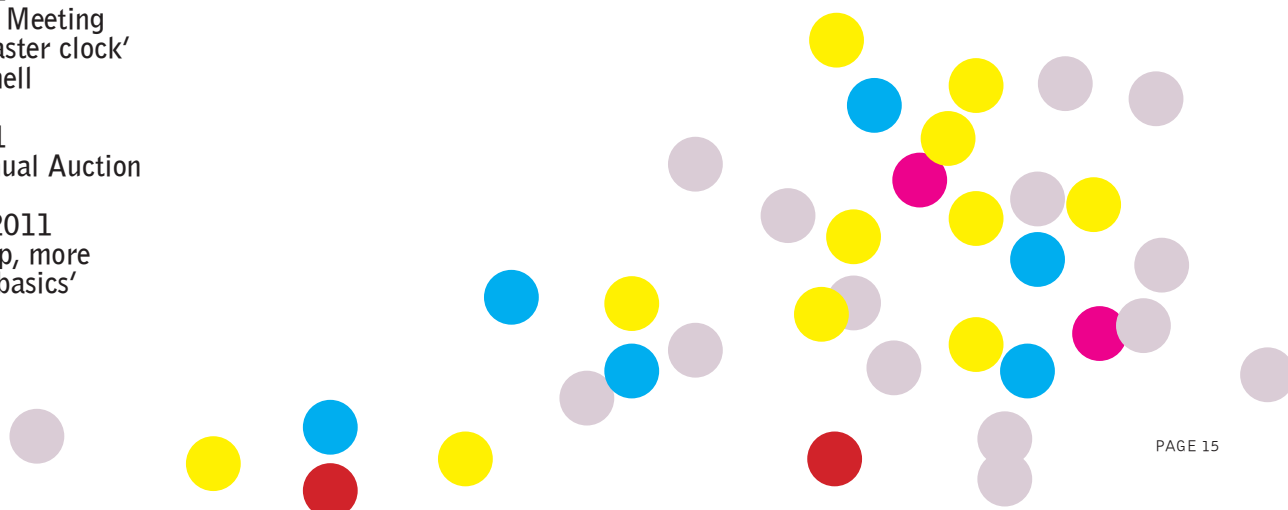
16 May 2011 to be advised

20 June 2011 to be advised

18 July 2011 to be advised

15 August 2011 to be advised

Chapter 182 Program to hand: Normal meetings start at 1:00pm on the last Sunday of the even months, except December at The Irish Club, 6 Parkinson Street WESTON ACT Phone 02 6288 5088





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