

# Mainspring



# Newsletter

NATIONAL ASSOCIATION  
OF WATCH AND CLOCK  
COLLECTORS

## President's Report 1 April 2010.

Dear fellow members,

The management committee has met several times since the AGM. It is good to have some new faces in the mix, hopefully full of new ideas to make sure that the club continues in a positive direction with good programs for the meetings and workshops.

**Auction:** The auction entries have now closed and we have 443 items to list. A separate covering letter and auction items list will be sent out to all members well before the auction so that you can decide what you want to bid on!

As in previous years a sausage sizzle, salad and sweets will be available for lunch at \$10.00. Last year we had over seventy people for lunch and about 50% did not advise me that they were coming this did make things difficult for everyone on the day as we only catered for 50. Please contact me if you are coming so we can cater for the correct numbers (07 3893 3576), thanks.

We will need a few volunteers to assist with the auction if you can help please contact me? 7:00 am start.

**New Member:** Please welcome Philip Taylor to the club, please seek him out at the next meeting and introduce yourself and make him welcome.

**Identity Badges:** We have spent time organizing to get everyone a name badge, Please Please Wear Them! We only get together once a month and if you have a memory like mine it is good to see a name badge also it makes thing a lot easier for new members. Please no excuses!

**Newsletter editor:** Malcolm is always looking for new local articles for the newsletter so if you have an idea or want to write an article please talk to him. Everyone can be involved and you don't need to write lengthy articles, if you have purchased a new clock just send him a picture and a bit of a story for the Show'nTell in print.

With the three issues a year, advertising is important to help offset the cost of color printing so if you know of a business that has horological connections please suggest to them about taking advertising space or let Mal know their details.

**Membership renewal:** There are still ten members that haven't renewed for 2010 so please urgently bring your membership up to date. Or let us know that you will not be renewing this year.

**Workshops:** Easily the most popular club activity with high attendance over the last few years so we are continuing to put resources into this area, informative speakers and specialized workshops throughout the year.

**General Meeting:** These meetings continue to be well attended so I hope you are ok with the current format, if you have any suggestions or would like to present a topic please let us know? For the next meeting's Show'nTell segment we are asking everyone to bring along an 'clock ornaments' from their collection as this will be the theme for the day. The mart is always popular for viewing and there is the odd sale. Everyone is encouraged to bring something to the mart even if it is only one item. Tony Manton will continue his interesting watch section this year, the next watch types to discuss will be Rotary and Roamer.

We have purchased a web cam so hope to display the various watches on the wall screen during the talk.

**Personal detail update :** If you have changed any of your personal details will you please contact the secretary Paul Hutchison (07 3263 2694) so he can update the records. If you have an e-mail address that we dont know about will you please let us know as this is the quickest way to let you know what is going on or any changes that might happen from week to week. Regards,

Martin Willis - President.

**Important Reminder: Chapter 104 Auction. Sunday April 18 2010.**

We have no height limitations and members will be able to bring a guest or guests as day members for this auction in accordance with the NAWCC Guidelines. If you wish to bring a guest the cost for the guest to register for the day is \$20.00, registration forms are available from Bill Meeken and will also be available on the day.



A sausage sizzle, salad and a sweets dish will be available for the cost of \$10.00 each. Please contact Martin Willis by Wednesday April 14 2010 (07 3893 3576) confirming the numbers in your group to allow for catering on the day.

As well as being an annual attraction and social day, the auction provides a significant source of income for the Chapter and relies on your continued support for its success.

Paul Hutchinson - Secretary.



### A quick preamble:

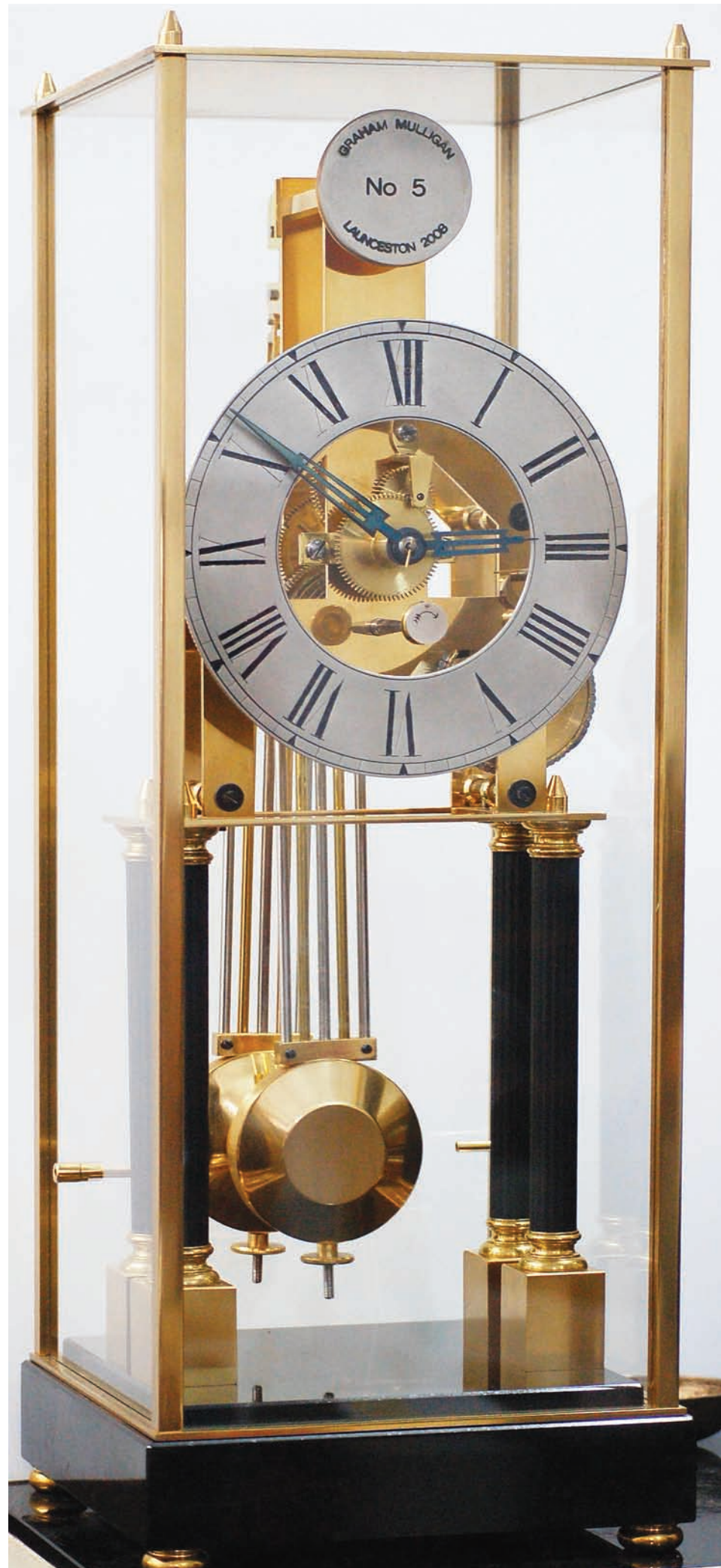
I first met Graham Mulligan while snooping for clocks in Tasmania around 2005. On a tip-off from Paul Jones who said Graham's shop and repair business had loads of interesting stock - it proved to be true because I found and purchased, from his back room a good working, early American Bee Alarm. A while later Graham called as he had found the litho coloured tin for the time piece which I subsequently purchased as well. I always make it a point of call while there and Graham is always willing to share hints, stories and give me some of his valuable time.

Last visit to Tasmania, January & February 2010 Graham took me up to the see the town clock installed in the Launceston Post Office. He has been responsible for its running since around 2005, installed in 1909. Graham also quite recently managed to purchase locally at auction four framed photos; three of the installation and one from 1925 (below) which hang in his office.



The turrett clock was originally manufactured by Gillet & Johnston of Croydon UK, it features an interesting 'double three legged gravity escapement' with a two second pendulum. Graham tells me that the mechanism has been electrically wound since 1969 although we did get out the crank and give it a wind while up in the tower. The huge bells are wonderful to hear at close range, we managed to be up in the tower at around 11:55 am.

Malcolm Enright - Editor.

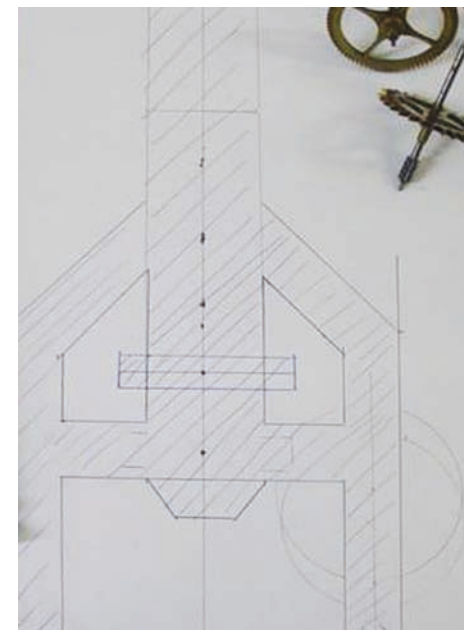


### Graham Mulligan #5 Launceston.

After reading the article Dual Oscillators in the Horological Journal, I thought about the idea of making a truly unique clock. My experience in horology started approximately twenty three years ago when I started repairing clocks as a hobby, and after finding myself unemployed, took the step to clock repairing as a full time vocation. During those twenty three years, I have gradually built up a repair business and eventually put together an antique clock repair and sales shop with hundreds of clocks and watches in the CBD of Launceston, Tasmania. Please forgive me in my lack of technical input in this article as I build clocks from the heart, not the head.

Back to the clock in question; after reading the two-part article on dual oscillators, I was fascinated by the whole concept of it. It had been two years since I had built my last clock so it was about time that I started on another project. I searched through the cupboards of my workplace for a starting point and found an 1850s fusee movement with a long-drop pendulum. It would suit my idea perfectly, all I needed was the wheel work. I have not advanced yet to cutting my own wheels, although I am more than capable, it is more time saving using what I have accumulated over the years. Ideas in my head for different and more interesting clocks to build might see me cutting my own wheel work in the future.

The first step creating a timepiece for me is to sit down with pen and paper and draw what is in my head.



When I am happy with the design, I then draw it to scale, purchase all the brass that I need, then make a start. Originally I was going to put the clock on two old French marble clock bases, but then decided against it because it may look like I had made it out of an old French clock. I wanted more of myself in the clock and less of a replica of someone else's design. I then visited the local stonemasons, where I purchased a solid polished block of black Tasmanian granite. I drilled four holes into it for my columns with an altered masonry drill bit and plenty of water. Two hours later the holes were finished. The first part of building the actual clock was to build the two identical pendulums and a suspension block to hold them. I wanted to do the pendulum first to experiment on how they worked when one was impulsed.

When I had all of that built, I fixed it in the bench vice, and pushing it gently with my finger it seemed to do what I wanted it to do. So I packed it away and went on to build the clock movement. In the past I have drawn the plate design on paper then glued it onto the brass sheet, gang drilled around the plates and cut it out with the fret saw. This time I did things differently, taking the design and brass sheets to a local engineering firm where they loaded my design into the computer and then laser-cut the two clock parts out. At a cost of A\$120.00 it saved me a lot of time and hard work. I have since been told that they cannot do it anymore, so it might be back to the dark ages with my next clock?

This part of the clock was fairly straightforward and simple, to lay out the gear work in the new plate design. All went well, I had the new movement up and running in no time. Now comes the exciting part of getting it running by fitting the suspension block and the two pendulums. I had not made the base at this stage so I clamped the movement to the bench and hung the pendulums over the edge of the bench. I gave each pendulum a gentle push in opposite directions and away it went, for about thirty seconds, then came to a slow stop. I checked the beat; that seemed fine. I removed the back pendulum and set it going. Leaving it for a few hours, it had a good strong tick and everything appeared to be working.



So I added the second pendulum and set it going again. Sure enough about thirty seconds later it stopped. The suspension block that I had made up was two halves of brass at the top bolted together and two halves at the bottom bolted together and joined by a solid strip of suspension spring. The pendulums hooked onto the same block at the bottom. What I was trying to achieve was for the movement to impulse one pendulum and in turn, then impulse the other through vibrations. Alas, it would not run, so I decided to try a swivel link in my pendulum hooks that was achieved by using a hardened pin and balance wheel cones. That kept it running for a little longer, but it still stopped. Next step would be the actual suspension spring. I punched a series of holes along it to give it a little more flex, which worked for a while but then stopped. I then started to thin the spring in the middle. All of these variations seemed to help but still no luck. I tried cutting the whole centre out of the spring and leaving two strips at either end like a traditional suspension spring, it seemed to improve things but again it stopped. I experimented with different thicknesses, lengths and styles over the next month to no avail. It was becoming frustrating . . . It almost came to the point of deciding to cut the second pendulum off and just have a simple fusee skeleton clock.

I then decided to try one more combination to cut the bottom block of the suspension spring into two pieces and link them with another piece of spring steel, so that the suspension spring had freedom to move on two different axis. I set it



all up and put the two pendulums on, set them in motion, and to my amazement they kept going. The clock ran for the rest of the week.

I had solved my problem and could now make the clock that I had wanted. There is not a lot written about twin pendulum clock making, not that I could find, so it was all coming from trial and error. Please note that I was not building the clock with the view that it was going to be superior in timekeeping or efficiency than any other clock. I was looking for the novelty of twin pendulums off a single impulse unlike all the twin pendulum clocks built in the past, which have used either two movements side by side to impulse each pendulum, or one movement with twin escape wheels impulsing each pendulum. Now that I had the clock running, I had to lift the movement up high enough for the pendulums to swing. This was achieved with the use of four columns from an old French marble clock case that was broken, and four solid brass blocks to make up the difference. Now it was starting to take shape and look like a clock.

Next step, a piece of brass screwed onto the faceplate of the old trusty Myford ML7 and then indexed to mark out the dial. I engraved the chapter ring, the minute markers and all the tops and bottoms of the roman numerals in the lathe. The rest was done with the steel ruler and scribe. It was then finished off with a dental burr, black waxed, and silvered. With the clock just about finished it was now down to the case. I was a bit unsure with what I wanted. I thought about a wood and glass case, again I wanted to make it from scratch also. After much thought, I decided to make it out of brass and I wanted to incorporate the base of the clock as part of the clock, so that meant discarding the granite block and getting a bigger one that had a step in it so that the case could sit on it. So here we go again, another four holes into the solid granite base thinking about all those wasted hours on the last base.

The top of the case was solid brass with square brass sides, solid brass bottom with the centre milled out to go over the granite base and sit on the shoulder. 2mm slots milled into the four corner pieces for the glass. With all that finished, it was starting to look good but then I discovered a

problem because of the height of the clock. When it was on a mantel, it made it just about impossible to lift the glass top up to wind it up.



So to fix that problem I drilled a hole in the glass, made up a brass grommet with a swivel cover, then made two more grommets on either side of the case so I could push each pendulum in opposite directions to start the clock. With all that finished, then came the part I regard as the worst job: polishing it all. I was not too fussy with the polishing part not because of laziness, but because I wanted the clock to have an older look, not like it had just been freshly made. So I purposely left a few little dings and scratches in all the brass work. I was very happy with the finished product. It has been running now for over a year and I have been regulating it. I must also add, that it is not an easy clock to regulate.

Graham Mulligan - Horologist.

'Clockwise' can be found at 143 St John Street Launceston. <email@clockwisetas.com.au> Graham's mobile is 0418 123 602.



### 2010 Workshop reminder.

Jim has kindly accepted the position of workshop coordinator & would like you to have a talk with him about planning forthcoming workshops, that's everyone who attends Workshops!

Jim Gray - 07 5433 0023  
<jl\_gray@bigpond.com>

Everyone has something to offer we believe, why not lead out in your own horological interest. He is particularly interested in getting input from every member and all suggestions are welcome.

Jim has prepared a list of suggestions for upcoming Workshop topics, could you please consider these and let him know what you think? Jim is interested to expand his list and wants to attach a name to every one of the topics listed below!

- \* More formal - Show'nTell
- \* Basic clock movements and escapements - theory and practice
- \* Lathe work The club lathe needs to be checked and / or repaired as required
- \* Polishing pivots
- \* Bushing
- \* Restoration of wooden cases (or metal cases)
- \* French polishing
- \* Soldering techniques
- \* Dial painting/marking out numerals
- \* Heat treating steel/ bluing hands and screws
- \* Putting clocks in beat
- \* Cleaning mainsprings
- \* Using taps and dies
- \* Clock valuation
- \* Strip long case clock
- \* Useful tool demonstrations
- \* Drill sharpening
- \* Clock photography
- \* How to write an article

Paul Hutchinson - Secretary.

### Workshop Report 17 Jan 2010.

I counted twenty-two members at the NAWCC Chapter 104 Workshop Meeting held at the usual venue; meetings commence at 9.30 am to finish at 4.30 pm.

Members worked on a variety of Clocks, many used the Library and a few swapped clock stories. It is encouraging to see a few pocket and wrist watches appearing at the workshops more frequently.

This meeting featured a comprehensive demonstration by Tony Roberts on cleaning, repairing and polishing black slate/marble clock cases.



Tony had prepared a number of examples and went through several different methods of repair, re-polishing and conservation. When a case has been completely dismantled and fully re-polished it is as new; a huge job and probably only a proposition on a truly valuable specimen. Other methods were shown, which while not of such a high standard are suitable for many clocks. He also advised on the use of various polishes, colours and types of wax as well as various adhesives and suitable fillers for repairing these clock cases. To repair and polish to a high standard is a time consuming labour of love. When he refurbishes a quality clock it is as new and as some collectors prefer a less new look, this was also demonstrated.

The Lunchtime talk was presented by Norman Heckenberg, mainly on the formation and planning the new Electric Horology Group. Norman received input from the group and a draft plan for a series of special meetings over the next few months was settled on. It was apparent that quite a few members of the group had previous electrical knowledge, others were keen to learn new skills.

Paul Hutchinson - Secretary.

### Workshop Report 7 March 2010.

There were 24 members present involved in various activities such as cleaning French and English movements. New member Tony Macindoe showed lots of interest in the proceedings and asked lots of questions. Tony has some experience with American movements and was keen to learn about others, welcome Tony.

A new Ultrasonic brew mixture was expertly made up by Michael Bauer and myself (dilute concentrate 1:9) for use in the Ultrasonic, I am sure members who used the new solution were pleased with the results. I ask Members who use the Ultrasonic to ensure they keep the lid on it and ensure the solution level is kept high, when boiled down to a small amount of solution this can damage the Ultrasonic.

Jeff Dyer guided new member Eddie Penning through gilding the adornments for his Sessions mantle clock closely watched by an interested group. Congratulations Eddy for doing the homework and preparing the pieces for gilding prior to the Workshop and completing the work to such a high standard. I am sure your efforts will encourage other Members to undertake Gilding in the future. Thank you Jeff for giving your time and material to assist Eddy to complete his project.

At lunch break we were shown 2 tumbling machines. As Tony Roberts said it may not be the solution to all cleaning however it gave other options to consider. Tony gave a practical demonstration using old brew and dirty clock parts with his home built tumbler. He also spoke

about the various grades of polishing media available to suit different size parts. He is still in the experimental stage with various media to use. Tony cleaned two types on clock wheels, the first from my Enfield which came up brilliantly after being in the tumbler for ten minutes. The second were clock wheels from Nev Leigh's small French movement, and I must add Nev was a little nervous about potential damage to the wheels, weren't we all? However, they came out clean as a whistle with no damage to the fine escape wheel teeth and only after five minutes in the tumbler.

Ken Durston demonstrated his newly purchased Lortone tumbler which has a 12lb and 4lb drum to suit different size parts and can be used to clean plates in using crushed cone shot, he commented that he keeps the parts in the tumbler for 25 minutes at this stage, still experimenting. Ken had a movement of Jeff Dyer's he had cleaned in the tumbler for members to view. It could be seen the rust had been removed from all arbours, the wheels were clean, and lantern pinions were clean as were the plates. There was no damage to any of the wheels including the fine escape wheel. Interestingly the arbours of the lifting levers were clean and almost to the original blue colour. Ken and Tony commented they clean the plates separately from the wheels. Thank you to Tony and Ken for the interesting and informative demonstration.

Michael Bauer cleaned and

Jeff Dyer teaching members the art of gilding using gold leaf.





assembled, re-assembled, and re-assembled his French movement only to discover he had a bent pivot on the escape wheel. Tony Roberts offered to assist with the task of straightening it, not a task for the faint hearted.

Ron Walker also worked on a French pin-wheel movement which came up clean in the new brew and I worked on a Smith-Enfield with guidance from Harry Boevink. Thanks Harry for pointing out that the movement needs ten new bushes, more skills to learn.

Henry Braun who has been unwell recently pondered a 400 day clock which has been stopping mysteriously and it was good to see Greg Baker back talking to Members and giving tips where needed. Ron Doyle was back after his accident. Good to see you chaps!

Norm Heckenberg brought tools and equipment for the electrical horology course. Thank you Norm for your efforts in purchasing the equipment for the Group and your negotiation skills in getting the price down. I am sure all those involved appreciate your efforts.

It was a very rewarding day for all those who attended, it is most pleasing to see how members are willing to share their knowledge and support their fellow Members. Thanks also to those who brought nibbles for morning tea.

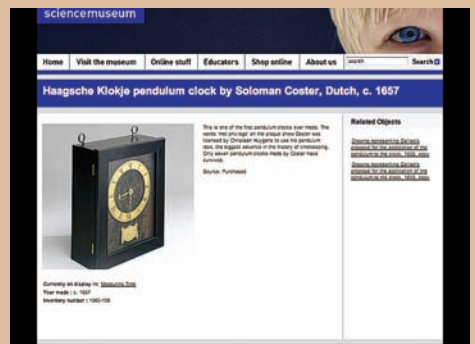
I look forward to catching up with you all at the next workshop and I particularly want to receive any feedback you may have.

Jim Gray - Workshop Coordinator



In my last message I neglected the best news in Antiquarian Horology, which is that the Measuring Time Gallery at the Science museum in London has not been closed, but rather reburbished and now reopened. With the British Museum clock section newly refurbished only a year or two ago, and fairly new galleries at Greenwich from just a few years ago, its time to go back to London!

The image above is from their Flickr site < <http://www.flickr.com/photos/sciencemuseum/4321968950/>>



Norman Heckenberg - Web Master/NAWCC Correspondent

Tony Roberts and Ken Durston demonstrating the latest cleaning technology based on tumbling with stainless steel pellets.



# Report on the Chapter 104 AGM 7 Feb 2010, Chermshire Library.

President Martin Willis declared the meeting open at 1.06 pm and welcomed everyone.



The minutes of the previous meeting were accepted. Martin reported that membership had increased during the year and the Chapter is in a sound position, he also reported on the activities of the previous year. Bill Meeken gave an in-depth report on the last years finances and gave details of all income and expenditure. The Auditor was very complimentary about the high standard of bookkeeping.

Bill commented on the time wasted tracing deposits when members make direct deposits to the Chapter account but fail to have the teller include their name with the deposit. The books have been audited by Peter Hogg a qualified accountant and found to be in order. Three copies were placed on the table for review by the members.

There was one nomination for each of the following positions; Martin Willis was declared President, Jeff Dyer vice-President and Librarian, Paul Hutchinson Secretary, Bill Meeken Treasurer, Mal Enright Newsletter editor, Norman Heckenberg NAWCC Correspondent and Webmaster, Alan Hazelton Mentor coordinator.

Nominations were called for the position of workshop coordinator and Jim Gray was declared workshop coordinator. The Chapter is very fortunate in having along with Jim, three other new committee members Allan Roberts, Michael Bauer and Mike ward.

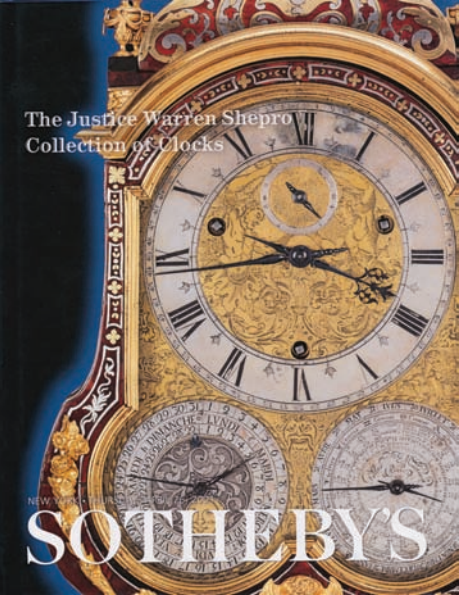
The President Martin Willis thanked retiring members of the Committee, Chris Nurser and Bill DeKaste for their past contributions. Mr Peter Hogg was appointed auditor for 2010. A good energised meeting to start the year's activities with an interesting Show'nTell.

Paul Hutchinson - Secretary.

# Only time will tell.

There are a few auction catalogues that I'm more than happy to own, just for the sheer voyeurism they offer, an intimate gaze into the life and times of the particular horologist/owner. Not just their skills at finding and owning objects of historical importance, not the money involved but moreso the research, the scholarship and the personal connections required to handle and eventually house these items.

Certain vocations and locations make some collectors and collections more prominent, timing is all important also. The Sotheby's NYC sale #7630 in 2001 of the important Justice Warren Shepro Collection of Clocks opened the doors to his life and times.



The foreword by his widow; Mrs Teresa Shepro says so much I've simple retyped it from her foreword entitled - Guardian of Time.

"My husband adored company – especially the company of clock people. He would open our house to horological enthusiasts at a moment's notice. We were honored to entertain devotees from all over the world. Most visitors would focus on the Robin regulator (lot 145), the Boulle work of the du Chesne longcase (lot 110), or the elegance of the tête de poupé (lot 109). Justice was delighted to indulge their interest.

But after the guests had gone, he would sit and muse over the other pieces in the collection.

Who had waited under the green horn cartel clock? Did it tell the time for a soirée, count the minutes of an important meeting, or measure the brief moments of a tryst? He wondered where the little painted



clock had hung. Who had owned the pocket sundial (lot 3). Who needed to know the time in Salzburg, Strasbourg and Stockholm? Was he a merchant, a nobleman, a diplomat? Justice longed for the answers.

The Gribelin table clock in its exquisite Boulle case seemed out of a fairy tale. In fact, we were told that it was chosen to strike the bewitching hour in a Japanese version of Cinderella. It was certainly worth the risk to gaze upon it at midnight.

The renaissance clocks were full of mystery. We puzzled over them endlessly. Who could have afforded such things at that time? The astronomical dials were the ultimate fusion of science and beauty.

And the tiny tabernacle clock (lot 32), barely 6 inches high. Sweet and feminine, hiding its wonderfully masculine mechanism inside. True perfection.

But my husband wasn't satisfied solely with outer beauty. He wanted the clocks to perform their duty and tell the time. he liked things to work; he liked things in balance. He couldn't stand a wobbly table in a restaurant. I carried shims in my purse at all times. I still do.

Yet for all of his exactitude, he was a patient man. He knew the idiosyncrasies of each clock. he tenderly adjusted, dusted, balanced, and coaxd.

His gentle, authoritative hands will no longer care for these clocks. new hands, hearts and minds will cherish them and tend to them. he was a devoted guardian.

He knew full well that one day these treasures would mark the

minutes of other owner's hours, count their days and nights, and hopefully measure for them the time of their lives."

There's a piece written by Seth G. Atwood; Founder, The Time Museum – A Friend Remembers and there is a piece entitled A Father's Passion by Justice's son; Richard Warren Shepro where he notes "As he refined his collection, deaccessioning many clocks in favor of a select few new acquisitions, the collection got smaller, until he reached a point where I believe he truly loved every single piece".

How many of us can truthfully say we have reached that point in our own collecting?

Justice Shepro was President of the Antiquarian Horological Society, American Section, he also became only the second American admitted to membership in the Worshipful Company of Clockmakers, a London Guild chartered by King Charles 1 in 1631.

Session One had (lots 1–79) and Session Two; (lots 80–145), all beautifully illustrated with many clocks and watches separated from their cases and showing escapement close-ups and complete descriptions.

<[www.sothebys.com](http://www.sothebys.com)>

The catalogue was available for US\$45.00 to overseas clients.

Thanks to Alan Hazelton for the loan of this catalogue, the other catalogue I own that comes close to this one would be the 1956 Christies London Sale of the Ilbert Collection that was cancelled at the behest of the British Government.

Malcolm Enright - Editor.



MARCH 2010							Chapter 104 Program to date for 2010.	
M	T	W	T	F	S	S	From Secretary Paul Hutchinson & Workshop Co-ordinator Jim Gray.	
01	02	03	04	05	06	07	●	Sun 7 March Workshop meeting
08	09	10	11	12	13	14	●	Mon 8 March 2010 Electrical Horology Group session #1
15	16	17	18	19	20	21	●	Sun 14 March 2010 Electrical Horology Group session #2
22	23	24	25	26	27	28	●	Sun 21 March 2010 Electrical Horology Group session #3
29	30	31					●	Sun 11 April 2010 General meeting
APRIL 2010								
M	T	W	T	F	S	S		
			01	02	03	04	●	Mon 26 April 2010 Electrical Horology Group session #4
05	06	07	08	09	10	11	●	Sun 18 April 2010 Annual auction
12	13	14	15	16	17	18	●	Sun 9 May 2010 Electrical Horology Group session #5
19	20	21	22	23	24	25	●	Sun 16 May 2010 Workshop meeting
26	27	28	29	30	31		●	Sun 30 May 2010 Electrical Horology Group session #6
MAY 2010								
M	T	W	T	F	S	S		
					01	02	●	Sun 06 June 2010 General meeting
03	04	05	06	07	08	09	●	Mon 7 June 2010 Electrical Horology Group session #7
10	11	12	13	14	15	16	●	Sun 11 July 2010 Workshop meeting
17	18	19	20	21	22	23	●	Sun 01 August 2010 General meeting
24	25	26	27	28	29	30	●	Sun 12 September 2010 Workshop meeting
31							●	Sun 03 October 2010 General meeting
JUNE 2010								
M	T	W	T	F	S	S		
	01	02	03	04	05	06	●	Sun 07 November 2010 Workshop meeting
07	08	09	10	11	12	13	●	Fri 12 Nov 2010 Pine Rivers Museum Clock display opening
14	15	16	17	18	19	20	●	Sun 05 December 2010 Christmas party
21	22	23	24	25	26	27	●	Sun 15 January 2011 Workshop meeting
28	29	30						
JULY 2010								
M	T	W	T	F	S	S		
			01	02	03	04	●	General Meetings are normally conducted at the Chermshire Library, Hamilton Rd, Chermshire 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 and tell as this segment proves to be most popular.
05	06	07	08	09	10	11	●	
12	13	14	15	16	17	18	●	
19	20	21	22	23	24	25	●	
26	27	28	29	30	31		●	
AUGUST 2010								
M	T	W	T	F	S	S		
						01	●	Workshop and Special Interest Group Meetings are normally conducted at the Balmoral Bowls Club, Jean Howie Drive (off Wynum/Bennetts Road), Morningside commencing at 9.30 am & concluding at 4.30 pm. Bring lunch, morning and afternoon tea provided, but please bring a plate to share.
02	03	04	05	06	07	08	●	
09	10	11	12	13	14	15	●	
16	17	18	19	20	21	22	●	
23	24	25	26	27	28	29	●	
30	31							
							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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Treasurer	Bill Meeken	menengai@tpg.com.au	07 3882 1213
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Librarian	Jeff Dyer	nichvi54@skymesh.com.au	07 5463 2312
Webmaster	Norm Heckenberg	heckenberg@physics.uq.edu.au	07 3870 1619
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Committee Member	Alan Roberts	allan-r@bigpond.net.au	07 3277 7858

#### 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

11 April 2010  
Red Cedar in Clock Case  
Making by Clive Pickering

06 June 2010  
Small talk - Europe excursions  
by John Stapleton  
TBA - a watch topic

01 August 2010  
Loctite and Seiko batteries  
and power packs - company  
representatives

October 2010  
Make a fake AND Dodgy  
Repairs by Michael Smith

December 2010  
Talking Clocks

#### Chapter 122

Program to hand:

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

19 April 2010  
The Law & Clocks by Domenico  
Calabro (Criminal Lawyer)

17 May 2010  
Bruce Brookman (past  
Head of PMG Workshops &  
'clockwise' Restoration Shop  
Important Pics & Memories of  
Victorian Horological History

21 June 2010  
AAHS Mid Year Mart

19 July 2010  
TBA

16 August 2010  
AAHS Annual General Meeting

#### 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

25 April 25 2010  
Clock Cases - Restoration and  
Conservation of Clock Cases  
and Australiana by Greg Peters

27 June 2010  
Miscellaneous Products for  
Conservation & Restoration  
as used on Clocks and  
Watches; Waxes

29 August 2010  
Watches (bring and discuss  
your favourite watch

31 October 2010  
Tools Auction

November 2010  
Workshop Introduction to  
Clocks & Watches, their  
care and maintenance





## Local Chapter 168 News.

The Queensland Group of Chapter 168 gathered at the home of Peter and Margaret James for the final meeting/annual workshop of this year. After pre-workshop catch-ups and a quick cuppa the clockies adjourned to Peters workshop.

Bernard Fellner brought along a beautiful Gustav Becker in a lancet case. The clock dated via the Horolovar Guide (HRG) is C1905/08 and described as follows:

Clock case is Lancet in shape and Mahogany veneered with double brass inlaid stringing crossing over at the point of the lancet. Pendulum is Disc type with large centre ball No.29 (Page 196 HRG) and is exposed via an inverted punch bowl shaped beveled glass situated in the base of the lancet front piece. Large silvered/engraved dial with Arabic numerals. Spade hour hand/straight minute hand with widened section towards tip. Good quality spun brass bezel. Clock featured in the Charles Terwilliger Silent Auction Catalogue August 1986.

In addition to this special clock Bernard brought along a number of the more common 400 day clocks that were for sale. Most needed some TLC but had potential from a challenge and collectable perspective. These clocks were bargain priced for those interested.

The rest of us worked on our clocks. Activities ranged from polishing bases on the buff, dismantling, cleaning and reassembling movements and replacing torsion springs and putting the clocks back into beat (I forgot to mention the lamenting the stopping and occasional swearing - whoops, creative use of the English language). Arnold Avery dated and determined the correct suspension spring for a 1953 Shatz 49 rescued from the tip almost three decades ago.

Our thanks to our wonderful partners, without them we couldn't indulge in our passion (or should it be obsession), for an excellent lunch and to Peter and Margaret for opening up their home to us and making all feel at home and very welcome.

As is becoming a tradition the meeting concluded with a glass of red wine (Australian) courtesy of Peter's cellar.

The next meeting of the group is scheduled for 29 May 2010 at the Woods' home at Springwood. Invites

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will be sent direct to the regulars and via Chapter 104's Secretary closer to the event. Photo by Arnold Avery.

Stuart Woods - Member.



Chapter 104 & 168 members; from left to right: Yiu Ching Yan, Keith Hallett, Stuart Woods, Tony Manton, Colin Hill, Harry Boevink, Bernard Fellner and Peter James pose with the Gustav Becker Lancet cased Anniversary clock. Full details in the descriptive on the left.

## Theme for the next General Meeting Sun 11 April 2010.

Members are requested to bring along any clock ornaments they have for comparison and discussion in our Show'nTell segment.



## Show'nTell from Martin Willis.

On The Bench: After the normal run of mass produced clock movements I have in for repair there occasionally comes in a jewel and in this instance it is a 1780 Viennese bracket clock with signed back plate by Mr Josef Schreibelmayer.

The case is a rather ordinary Oak bell top style with a nice little brass and silvered chapter ring. The movement has a bit of everything in it, only measuring 110 x 90mm. It has a 36(H) going train powered by a chain fusee system and crown wheel verge escapement. Normal working is an hour strike on the lower bell powered by a spring in a barrel. The let off of the strike is by a flirt, the star wheel snail and rack are on the left of the front plate.

The complexity of this movement comes with the pull repeat. When the cord is pulled it winds a spring to power the repeat cam wheel. The three quarters are struck on the two bells as a ting tang. The hour

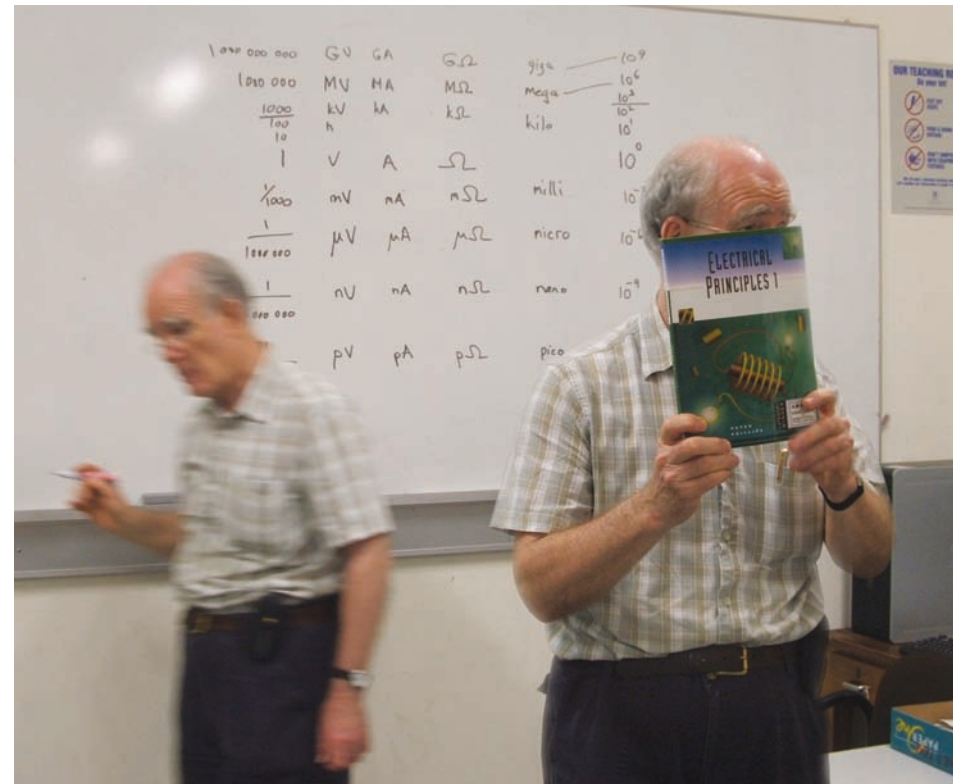
is struck first on the lower bell. The odd looking snail at the top right of the front plate has a gear attached on the same arbour, when the cord is pulled the rack is wound down to its associated hour snail, when this happens the quarter detent is allowed to drop onto the quarter snail on the minute wheel arbour. When the cord is let go the hour rack winds back striking the hours. The quarters are then struck controlled by the position of quarter detent in the top snail. The hammers are operated by a cam wheel between the plates on the same arbour as the pull cord.

The other clever part of this repeat is the multi position snail for the quarters. The snail has eight steps plus a surprise piece to allow for the third quarter to be struck minutes before the hour. The eight position then splits the quarters in to two. So at quarter past the hour there is one ting tang but if pulled after twenty past you will hear ting tang ting or you should do, unfortunately the odd looking snail at the top right I don't think was made by Mr Schreibelmayer?

The challenge for me now is to make the quarter striking function correctly. Probably make another odd looking snail?

Then pull it apart and service it. When faced with a movement like this you should break it down into its various operations e.g. Going, Striking, Repeat. Get to know each part well and fully understand how it works before any attempt to dismantle the clock.

You won't see too many of these in Australia!



Professor Norman Heckenberg leads out in the Electrical Horological Group's series of lectures, ably assisted by Tony Roberts and Alan Emmerson. Twelve members booked for the sessions only you never see the Editor pictured as he's mostly taking the photographs.



## The title: Electrical Horology Group

**The aims: To increase awareness and appreciation of electric clocks**  
**The content of the course: Basic electrical theory, tools, and application to battery powered clocks**

**The kit: The recommended tools should allow most common faults in electric clocks to be diagnosed and repaired**

**The outcomes: More members taking an active interest in collecting electric clocks**

The eight sessions are scheduled from 8 March to 7 June 2010 with meetings either at The University of Queensland and the Roberts' residence. Going to print we have now completed three sessions and enthusiasm is running high. Theory, practical applications, magnets and coils, semiconductors, trouble shooting, independant clocks and serious time allocated for revision, and the final on "everything else."

## The Watchmaker

He studies years to make the grade,  
Slowly, carefully learns his trade.  
His labour is the finest kind,  
Combining strain on eyes and mind.  
A watch much smaller than a dime,  
He must restore to perfect time.  
And when he asks a modest fee  
The average guy yells Robbery.  
A watch be serviced for a year,  
Though it be dropped on a tile floor,  
They bring it back all hot and sore,  
And shout Such a service is a crime,  
Since you fixed this it wont keep time.  
It is peculiar how a guy  
Pays auto bills without a sigh,  
But wears a watch ten years or more,  
And at first repairs, lets out a roar.  
A watch you know runs day and night,  
It should be oiled and treated right.  
Give the repairman but his due,  
Hell keep your timepiece running true.  
Annonomous.

Treat it gently, think well of it and at least once a year get an expert watchmaker to clean and oil it, remember 50 different types of machines constructed your watch and 1650 hand operations were involved in putting it together. Skilled watchmakers have devoted their lives to these mechanical marvels, so see they are looked after only by experienced men. A watch travels the equivalent of 90,000 miles or 144,810 kilometers in 25 years without the replacement of a single part. Its parts spin half a million times a day while you carry it around.

Jeff Dyer - Vice President/  
Librarian.

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