



AUCKLAND SOCIETY OF MODEL ENGINEERS INC. | Issue 701 | June 2024 | www.asme.org.nz

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Presidents Report

Hello everyone

Well - this has been an eventful month!

Work has been progressing extremely well on the next set of points to be installed behind the shed we're all secretly making bets as to how long it'll take to finish (Not trying to rush you team! Quality over speed!). The construction team is confident they'll get this set done much faster, so we'll be looking into getting the track ripped up to put it in.

Winter has set in and boy has it been a cold one - please make sure you're wrapped up warm when working each Sunday! Leaves have been settling all over the tracks so the Saturday team has been hard at work clearing it each time to ensure Sunday can run well.

Alright, onto MEANZ and the future. Got a lot to cover here...

MEANZ has completed our audit and we passed successfully! Huzzah! They also requested us to begin testing our cables and electrical equipment. Testing and Tagging is a rather controversial topic among the engineering industry (And we've had some very reasonable but heated discussions about this) and we've agreed with MEANZ that we'll test our equipment, but for now we're holding off on officially tagging our equipment unless the law changes. We have the certification and equipment to do so if we are required, however - so there's no worries there.

On the subject of Auditing, however, MEANZ has indicated to us that with changes occurring to the Plant and Structures Act, the ability for MEANZ to handle our auditing (For both the railway and individual locomotives) was being challenged. All of the clubs around the country were given three options for progressing and after an online meeting, we've agreed to move forward with a new initiative called Te Paere-wa, still under the guidance of MEANZ. Although there is a small increase in the cost to this for ASME in the long term, we are quite confident that we can afford the overheads for now. I'm sure that many people will have questions about this, so you are welcome to bring your questions to the next General Meeting or email me.

Finally, we are running an auction at the next general meeting! With the passing of Dave Russell, his two locomotives have been donated to the club by his late wife. More details on this can be found deeper in the Micrometer.

Finally, our good editor Cameron who worked so hard on the overhaul is leaving for Australia. The committee is on the lookout for a brave volunteer who can help contribute a few hours each month to helping work on this and take up the role.

I hope everyone keeps well till the next report!

Thanks

Philip Dowdeswell

This Month's Calendar

Tuesday, June 4th	7:30pm	General Meeting, (Clubhouse)
Tuesday, June 11th	7:30pm	Workshop Night, (Clubhouse)
Tuesday, June 18th	7:30pm	Committee Meeting (Clubhouse)

TRAIN ROSTER



Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard	Extra Person
2-Jun-24	R Reichardt	S Watson	Voluntary	<u>P Dowdeswell</u>	R Crook*	B Matchett	
9-Jun-24	D Housley	I Ashley	Voluntary	<u>D Black</u>	M Luxton*	B Matchett	
16-Jun-24	J Lankow	M Plant	Voluntary	<u>T Lawrence</u>	K Ryan*	A Van Zon	
23-Jun-24	R Shearer	M Vickers	Voluntary	<u>S Meikle</u>	R Souter*	S Watson	
30-Jun-24	B Aickin	A Van Zon	Voluntary	<u>G Wills</u>	M Moore*	B Matchett	
7-Jul-24	R Reichardt	I Ashley	Voluntary	<u>B Aickin</u>	R Crook*	L Brown	
14-Jul-24	D Housley	J Lankow	Voluntary	<u>P Dowdeswell</u>	A van Zon*	B Leung	
21-Jul-24	M Moore	R Shearer	Voluntary	<u>T Lawrence</u>	M Luxton*	M Vickers	M Schaw
28-Jul-24	M Plant	B Matchett	Voluntary	<u>S Meikle</u>	S Watson*	K Ryan	

Please Note:

If for some reason you are unable to attend on your rostered date, you are respectfully reminded that it is your responsibility to find a replacement member to fill the gap – please don't let the rest of the team for the day be left short-handed.

Note: The Train Controllers for both affected days must be informed of the swap in advance. It is the responsibility of the person who initiated the swap to do this. Also advise Bob Aickin who is keeping track of the number of duties each of us perform during the year.

CLUB NOTICES

Model Engineering Journals

ASME has an extensive range of Model Engineering Journals (ME and MEW) in the library, managed by Mark Luxton. The collection goes back to the first editions. However as new copies arrive binding takes a while, so the latest may not be available for a while.

If you would like to read the latest edition, they are free to borrow electronically from Auckland Public Libraries. The easiest way to borrow them is using the LIBBY app. If you are a member of the Auckland Library System (anywhere in the SuperCity), this gives free access to an ME and MEW e-sub. If you encounter difficulties take your device (an iPad is ideal) into any Auckland Library Branch.

Please let the editor know if you have been using this service successfully, or have encountered any difficulties.

Club Badges

As a reminder to all members, the price of badges has risen following increased costs from our supplier. It is now \$3 for a badge and \$5 for two badges.

Workshop Night

Workshop night has been quiet but not uneventful! We've combined the last three workshop nights into this one bumper crop edition.

10/04/24

We had a slightly low key night at the club rooms with a couple of items on display.

First up was Mike Jack with his fully machined smoke stack of his Class three complete with internal ducting from the steam ejector which slightly aided the draw of the fire by constant stream of steam at the top of the chimney mike talked of the casting techniques involved creating the pipe wrapped around the chimney . Mike also displayed one from a batch of his vices destined for England and explained his improved techniques.

Next up was Martin Plant with his mid stretcher for the tender to his new model. He is starting tender first. He is using a steel plate over a camping gas stove to bring up some heat and using a MAP torch for the silver soldering.

We had a brief discussion on various types of files and techniques with Murray Hollis bringing in a couple of discs to fit an angle grinder but was unsure whether they could be bored out to fit his grinder



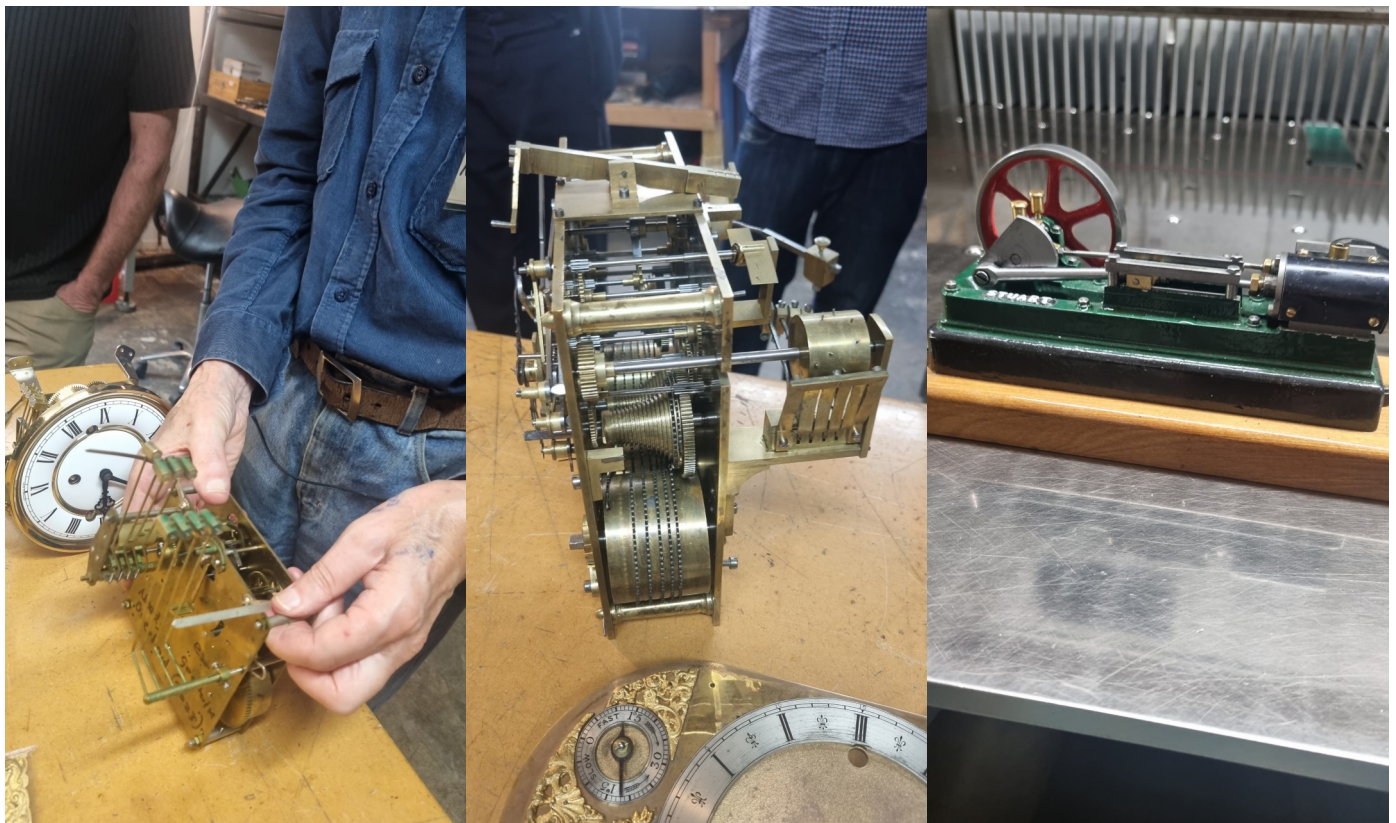
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14/04/24

This month's workshop night was hosted by one of our newer members Steve Watson. He is setting up his workshop at his business and has a dedicated tidy workshop to put on show. We had a number of members turn up and were given a run down about his set up.

Members had brought in various items that they were working on from beautiful clocks , items manufactured using lost wax casting and cnc machining the final intricate features to buffer beams fabricated using CAD drawings to enable laser cutting and pieced together for final weld or silver solder. Finally we had a couple of lucky dips. Boscoe Leung brought in a box he bought in the auction with four or five hot air engines in it . He thinks he has too many projects going on so has donated them to the club membership if someone is keen to carry them on. The condition is you must take them all they will be at the club at the general meeting. Roger also bought a box of bits from the auction that was surplus to his requirements and we had a bit of a share out. Thanks Roger!



Club Auction

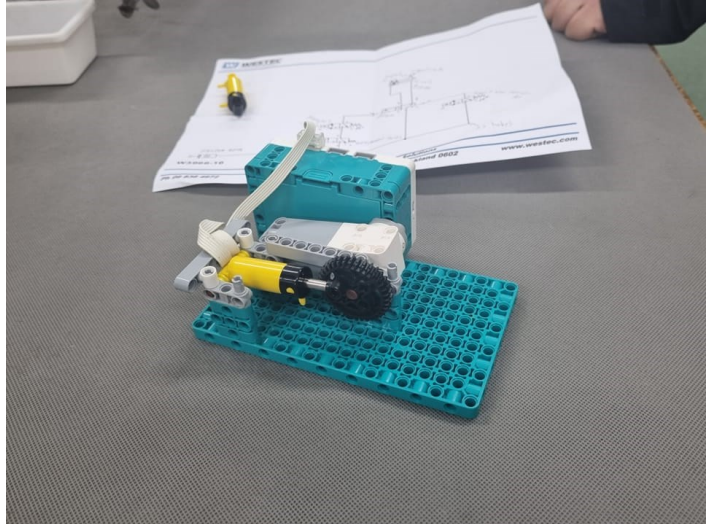
With the unfortunate passing of Dave Russell, the inventory of his workshop has donated to ASME to be held for Auction. We will be holding the auction at the next club meeting on the 4th June.

Many items from his workshop will be sure to find their way into fellow engineer hands, but the two most prominent items are his Maid of Kent locomotive, which was previously undergoing an overhaul and was nearly complete, as well as his B-Jax locomotive which was still under construction. Paperwork details of these locomotives that ASME has access to will be supplier to the purchaser.



BITS AND PIECES

Our newest member, Matthew Schaw, showed his Lego® pneumatic engine including a diagram of the control circuit. He is hoping to use sensors as inputs to a programmable control system to operate the solenoid pneumatic valves to make the engine reciprocate.



Bruce Cooper showed a 3½" gauge Tich locomotive model. This was built by Bruce's father but it has recently been rebuilt and repainted by Bruce. It is capable of pulling the driver around the ASME track but on level tracks it would pull a passenger as well. The problem is keeping the very small boiler full during a circuit.

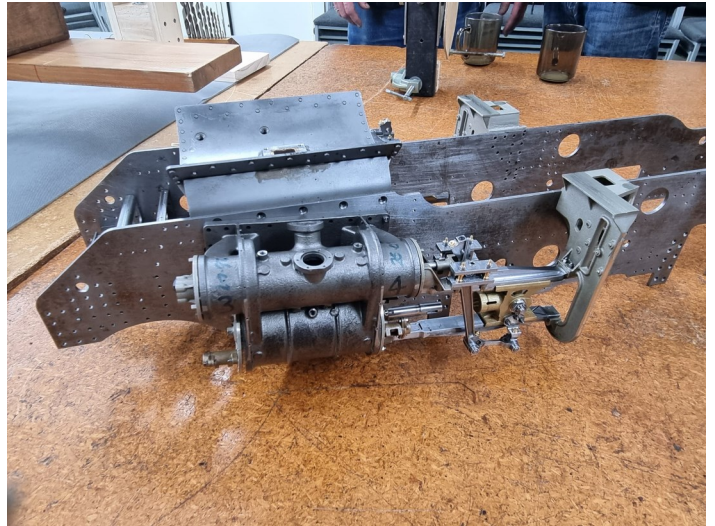


Dave Housley tabled the coupling rods for his Beejax based model. These were complete with fluting and bushes. The latter are slightly too tight for the wheels to turn freely so will be eased slightly.

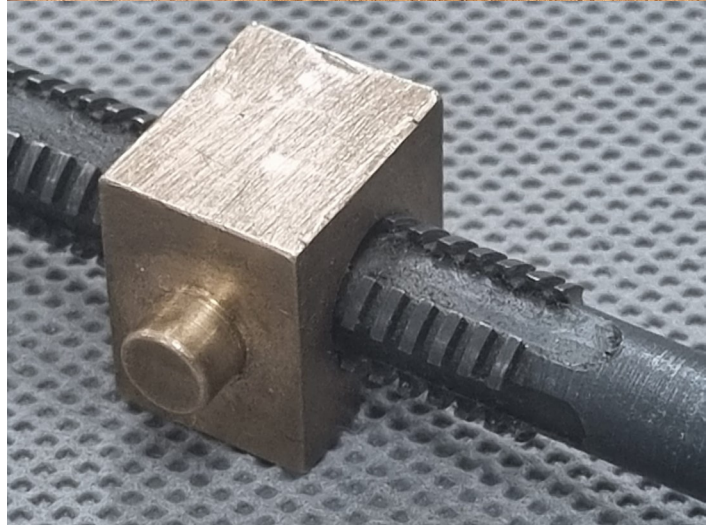


BITS AND PIECES

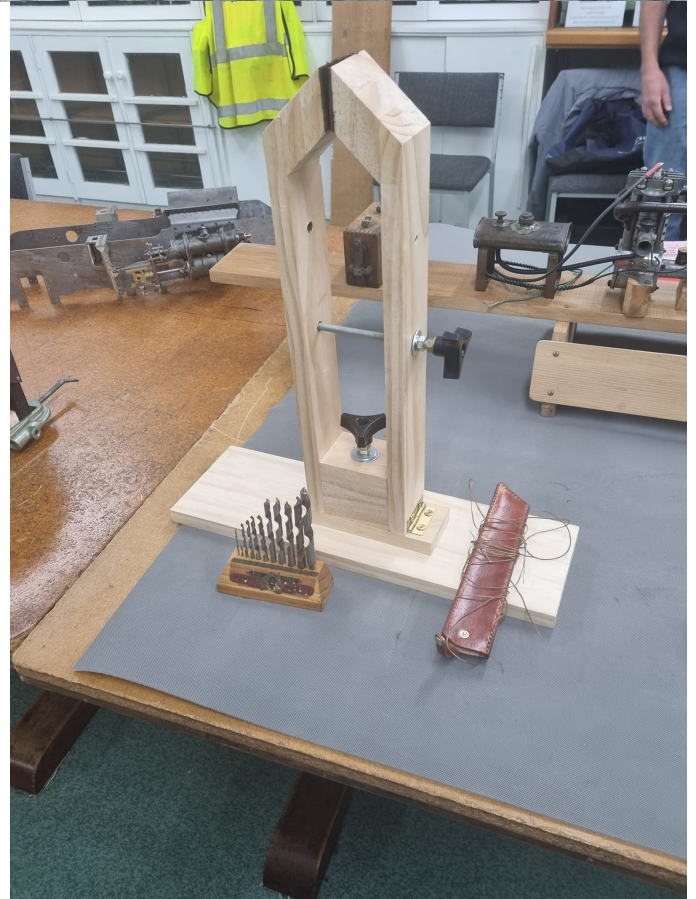
Mike Jack had a set of frame plates temporarily set up to trial the first-off cylinder assemblies. The assemblies are complete with crossheads and slidebars for the valves and pistons, the valves, pistons, end covers and the motion brackets and the combination levers, union links and drop links. All parts are manufactured from individual part drawings to the tolerances on the drawings. This means that these cylinders will fit anyone's model. This set will be fitted to a model being built in the UK.



Mike Banks showed the home made, left hand, two-start tap which he used to tap the reverser nut (all so shown). While making this tap, the actual reverser screw was machined at the same time on the same piece of stock. This method guarantees that the screw will fit in a hole tapped by the tap. The material used was silver steel which can be hardened easily using a flame and quenching in oil.

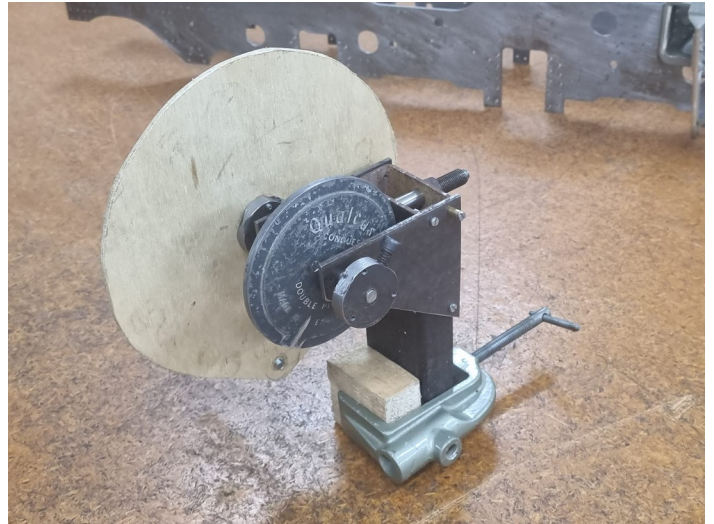


Murray Hollice displayed some leatherwork, a knife sheave, which he is learning to do. Also shown was a saddler's clam which he made himself. This is used to hold the work while two hands are used for doing the stitching.

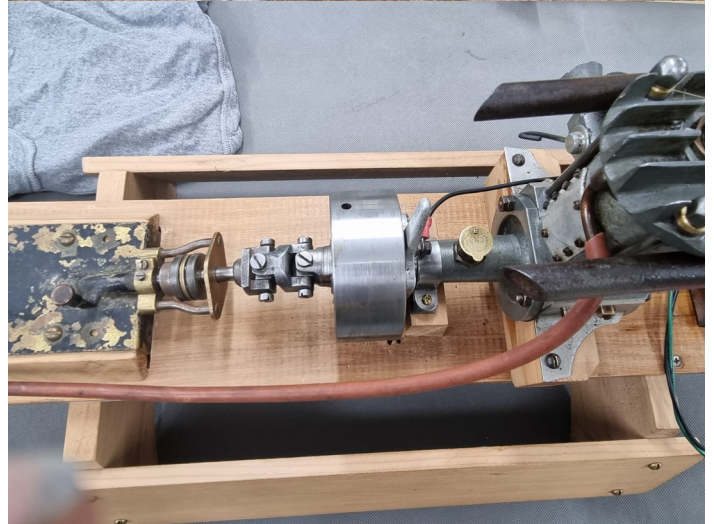


BITS AND PIECES

Bob Aickin developed a concept for pulling rolling stock around his model railway to check clearances etc. Bob can wind the drum to pull the loco or wagon while being remote.



Ron Copeland displayed a two stroke engine with prop shaft. It is water cooled with water forced through the system by the propeller. This was built by the owner's father at the age of eighteen in the 1930's.



Jackson Cup

At the last club meeting, it was proposed that Murray Lane be awarded with the Jackson Cup for his efforts to complete his radial engine over the period of years that he has been building it. The Jackson Cup was first awarded in 1965 and has continued to exist and be awarded to various members of the club over the years. The official requirements to be considered are stated as such:

“To be awarded for the best completed exhibit, providing the judges deem it up to a high enough standard. It can be awarded only once for any one exhibit”

Although an argument can be made that the radial engine is not in a wholly completed state, the engineering feats required to build this engine are impressive enough that the committee has agreed to put forward the vote to the club members at the next general meeting where more photos will also be available.

