

Number 681

August 2022

The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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REGISTERED NEW ZEALAND PUBLICATION



The Road to ASME
under repair

President's Report, August 2022

Hello once again and I hope you are all keeping well. Despite winter being on us, or perhaps because of it, returns from Sunday Running have been excellent, with a recent one, providing the highest number of passenger rides for a normal Sunday since 2013, with many happy customers, including many new ones, so well done and thank you to all of those on the roster and others who turn out to help. Just a reminder to the drivers that, especially with covid being on the rise, the extra guard-only trolley needs to be fitted to the EC as the complete train cannot be accommodated in the Dogbox.

Progress is also being made on the Engine Shed modifications, and the steel is now being sourced for that and the guard rail panels to go from the underpass to the loading bay. We are hoping to have these made and galvanised ready to install over Xmas/ New Year.

The new milling machine is intended to be installed in the basement workshop this month, though Timothy has a bit of electrical work to do before it will be operational. The room itself is looking very smart after the repaint, so well done to all involved. It is hoped this addition will inspire more interest in the Workshop Nights which are still happening but, perhaps understandably at this time of the year, with a decline in numbers.

Many of you will be aware of the carpark entrance roadworks which have recently taken place, and although they took longer than intended, have resulted in a much improved driveway. Due to the reconfigured carpark parking is at a premium at times, but it does appear that some of the Waipuna Motel carpark is now available for the use of the public.

It may not seem like it but Xmas is not that far away, so booking a venue is a matter of now or never. The committee are currently looking at options for a Christmas / Year end function. Members will be informed as details are finalised.

All the best to you and yours,

Mike Moore

ASME is an active member of MEANZ, members should keep a lookout on the website too www.meanz.org.nz, is a good place to find other clubs when you are travelling. However, the website is not necessarily up to date and is soon to be updated. Just like us, our friends nationwide always welcome visitors.

AUGUST CALENDAR

Tuesday August 2nd, 7.30 pm

Tuesday August 9th, 7.30 pm

Tuesday August 16th, 7.30 pm

- General Meeting (Clubhouse)
- Workshop Night, (Clubhouse)
- Committee Meeting, (Clubhouse)



Train Roster

ASME

DUTY ROSTER

Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard
7-Aug-22	I Ashley	A Bailey	Voluntary	<u>T Robinson</u>	R Crook*	D Beecher
14-Aug-22	M Hollis	D Housley	Voluntary	<u>D Russell</u>	M Luxton*	H Dando
21-Aug-22	J Lankow	M Plant	Voluntary	<u>G Wills</u>	R Souter*	R Shearer
28-Aug-22	M Moore	R Reichardt	Voluntary	<u>B Aickin</u>	M Vickers*	C Whitiskie
4-Sep-22	I Ashley	M Plant	Voluntary	<u>P Dowdeswell</u>	T Robinson*	D Beecher
11-Sep-22	A Bailey	B Matchett	Voluntary	<u>D Black</u>	R Crook*	L Brown
18-Sep-22	M Hollis	K Ryan	Voluntary	<u>T Lawrence</u>	M Luxton*	M Vickers
25-Sep-22	D Housley	J Lankow	Voluntary	<u>S Meikle</u>	R Shearer*	C Whitiskie

Bold and Underlined Name = **Train Controller**, i.e. the person in overall control of all operations for the day

Bold with Asterisked* Name = **Stationmaster**, i.e. the person responsible for activities in the station area and for the day's takings.

At the date of publishing New Zealand is at COVID Orange Traffic Light
Public running is resumed with some conditions

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.

The details of the swap should be noted in the Run Book.

Also, please ensure the member you arrange a swap with is one who is rostered to undertake the same role to ensure we always have members with the appropriate training and experience on the day.

Road Closure Affecting ASME !

Auckland Council Community Facilities have undertaken pavement renewal works on our road access leg from the Peterson Road gate to the start of the carpark area which was the extent of previous works.

This work has had minimal impact on access to the Peterson Reserve Carpark and Clubs that access via Peterson Reserve and is now complete. The road did need to be closed to vehicle traffic for a short time but we were able to work around it. The result is excellent.



The Road is now Open again

Bits and Pieces and Workshop Night with Dave Housley

Workshop night was attended by the brave few who battled the weather

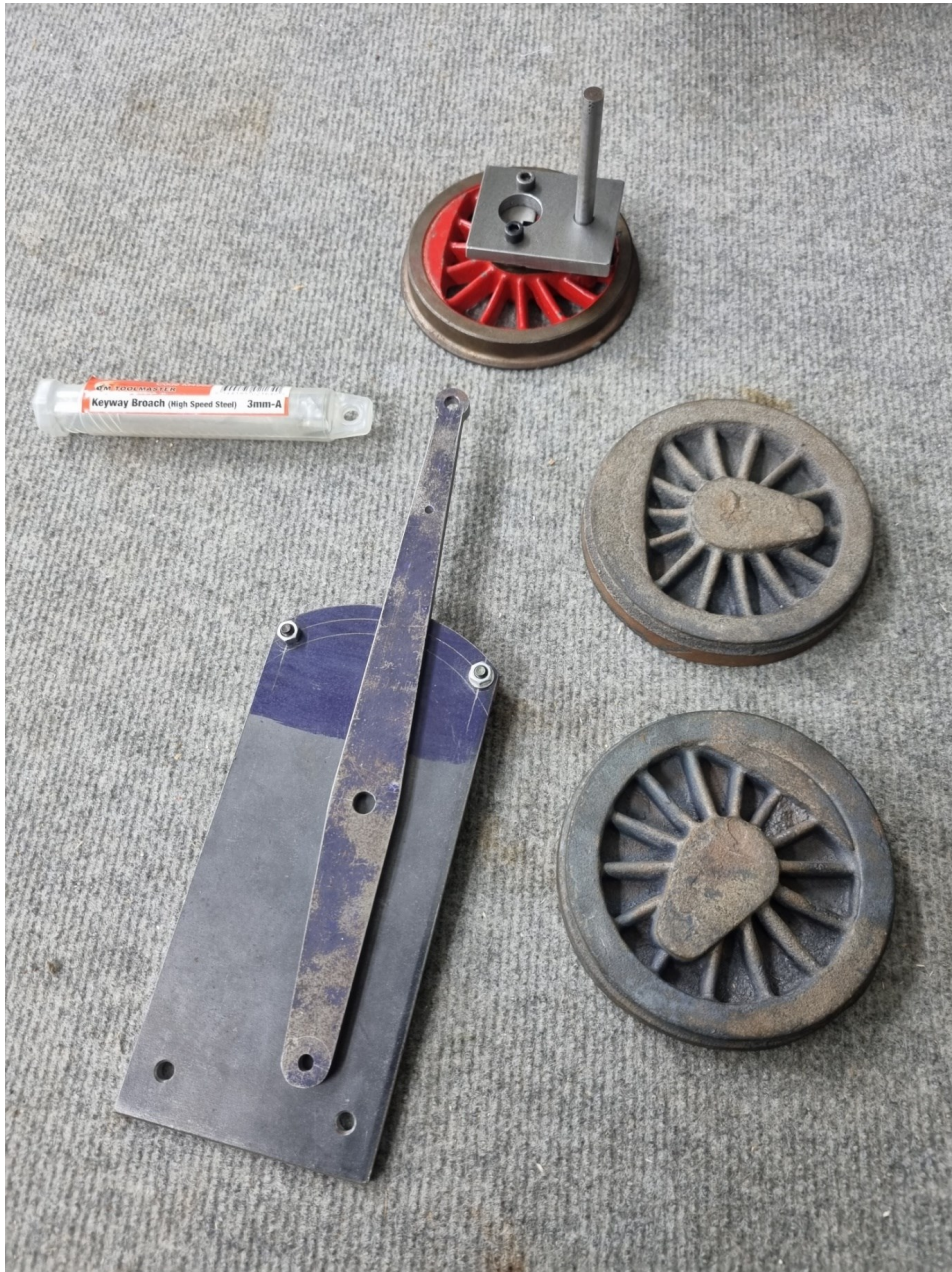
There has been rather a light showing of recent at the Bits and Pieces table so this version encompasses both events

A discussion was held with regards to a question from Roger Shearer about threads BA and metric

Murray Hollis brought in to show a set of "socket" spanners he had made from metric cap screws and bits of scrap for the handles, he also talked and displayed his garden railway gauge1 locomotive chassis complete with a nice reciprocating engine



Dave Housley brought in a jig that he made to broach the keyways in the wheels to his 0-6-0 Beejax which he couldn't demonstrate as he had lost the broach in his workshop (it was later found hanging up on the floor). Also wheels and a reversing bracket for a restoration bracket in rough form



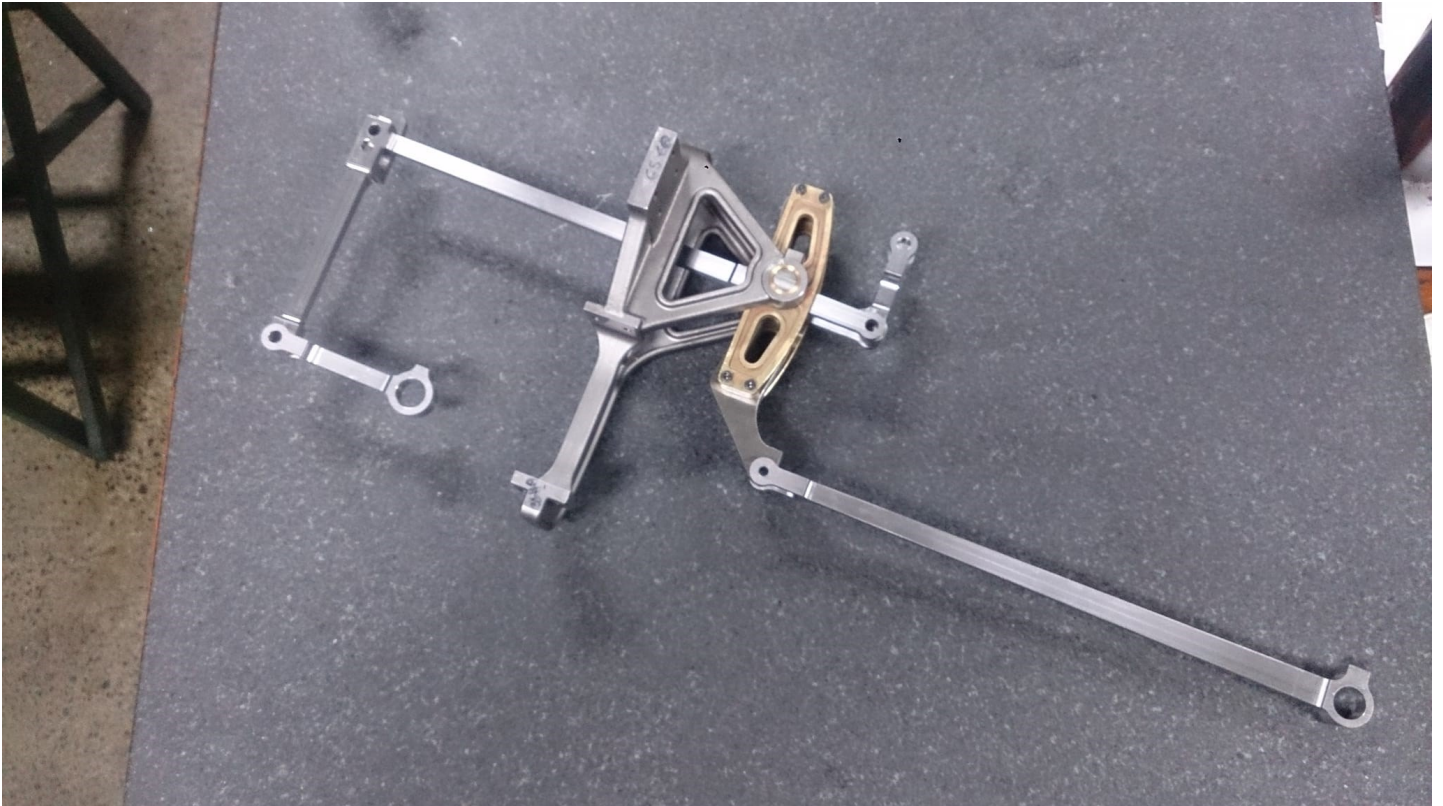
Finally on to Mike Jack who displayed his highly detailed for his BR Class3 tank engine pony truck he displayed the progression of development of patterns of the pony truck frame from actual sand casting through to wax printed patterns. Just to finish off on the table were finished parts for valve gear

From Mike

"As requested by Dave, here are some photographs of the work I've been doing for a 7½" gauge Mikado for a customer in the United States. The first part of the job was to produce castings for the motion brackets to suit a published design but to represent the bracket on a different prototype. Having done this, the customer sent drawings for all the valve gear and requested that I make these from steel rather than from the cast aluminium (or is that aluminum?) rods per the drawing. Now these are ready to go, he's asked for all the bushes and pins to be fitted so he can fit them directly to his model when they arrive."

The following photograph shows the PLA prints, which have been vapour polished with chloroform to smooth out the striations and the castings as they arrived from the foundry. These were investment cast using the shell method.

Bits and pieces was supported by **Mike Jack** with an impressive pair of motion bracket assemblies for a customer's 7 1/2" gauge Mikado by now you will have guessed it **for America**.





This photograph shows the fixturing plate Mike made for machining this type of casting and some brackets for clamping the part accurately during machining.



ASME is selling excess copies of the Workshop Practice series Books

There is now a full set in the ASME Library.

*Although they are being regularly reprinted no 49
is the last new volume we have seen for some time*

*The committee has decided to sell remaining ASME
stock at **NZD \$5 each***

Most are sold—only a few left

Nos 5, 10, 30, 36, 38, 42, 28, 37, 30, 29, 20, 43, 33, 15, 47, 41, 36. were still available at last count

They will be on the table at the August General Meeting

Most can still be ordered from Tee Print at **GBP 7.95**