

Number 612

May
2016

The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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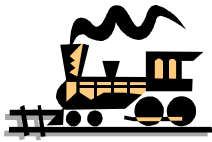
Where Art and Engineering meet

Inside the Shakespearean Pop-up Globe Theatre, erected on a (sloping!) carpark in Central Auckland in just 35 days, and due for removal in mid May.

The framework is scaffolding, the cladding is corrugated steel. Old Will could never have conceived of such a system!

(Scaffolding by Camelspace)





Train Roster

	Electric	Electric	Steam	Train	Station /	Station /	Station /
Date	Driver	Driver	Driver	Controller	Guard	Guard	Guard
1-May-16	P Dowdeswell	M Granger	Voluntary	<u>G Wills</u>	R Crook*	G Healy	Voluntary
8-May-16	M Hollis	D Housley	Voluntary	<u>D Black</u>	P Jones	M Luxton*	Voluntary
15-May-16	J Lankow	D Moffat	Voluntary	<u>T Lawrence</u>	B Matchett	C Mitchell*	Voluntary
22-May-16	M Moore	P Moy	Voluntary	<u>S Meikle</u>	G Murray*	M Richardson	Voluntary
29-May-16	R Reichardt	P Woodford	Voluntary	<u>T Robinson</u>	K Ryan*	A Shirley	Voluntary
5-Jun-16	I Ashley	A Bailey	Voluntary	<u>G Anderson</u>	A Stratton	R Stratton*	Voluntary
12-Jun-16	B Aickin	G Beazley	Voluntary	<u>D Russell</u>	P Tomkies*	H Martin	Voluntary
19-Jun-16	D Booth	P Dowdeswell	Voluntary	<u>G Wills</u>	R Crook*	G Healy	Voluntary
26-Jun-16	M Granger	M Hollis	Voluntary	<u>D Black</u>	P Jones	M Luxton*	Voluntary

Bold and Underlined Name:

This is the designated **Train Controller**, i.e. the person in overall control of all operations for the day

Bold with Asterisk* Name:

This is the designated Stationmaster, i.e. the person responsible for activities in the station area. The Stationmaster is also responsible to account for the day's takings.

Drivers: Please keep your eyes open for unusual or suspicious behaviour around the track which may affect the safety and/or smooth operation of our trains. Report such activity to the Train Controller.

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.

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.

MAY CALENDAR

Tuesday May 3rd, 7.30pm - General Meeting , ASME clubrooms. The entertainment will be provided by our president, David Black, who will present some interesting examples from his collection of cameras and discuss the development of roll film technology over more than 100 years until it was displaced by digital.

Tuesday May 17th, 7.30pm - Committee Meeting.

Found: The Rolling Road has been located! We are working on a way of tracking such club assets so they are more easily locatable in the future.

President's Report

Now that the major project of track upgrade is within sight of completion, the ASME committee is starting to look at the long term future of the Society. At the last committee meeting we all recited our own testament to the reason we joined and continue to belong to ASME. High on the list is an interest in engineering and the wish to learn from our friends and particularly more experienced members. There is a substantial interest in running the railway and for all of us the public service commitment and the pleasure we give to our thousands of visitors every year ranks very highly in the ongoing satisfaction of continued involvement. One member compared it to belonging to a service club and on reflection that is a reasonable point. Another strong benefit of membership is the friendships formed over the years between both members and families; ASME has always been a very sociable environment. This year we've decided to hold the annual Christmas function away from the clubrooms in order to make it easier to organise, take the load off the inevitably few who run it and also provide the venue with a bit more room and attraction to our wider families. Details are yet to be finalised but may be ready to be announced at the May meeting.

There is no doubt that there is currently something of a shuffle going on with regard to the membership base of our society. A few members have left, generally writing in and explaining their position or changed circumstances and of course they leave the society in good standing and could easily re-join if they so wished. A few others have not let us know yet but we are informally aware that their life circumstances no longer enable them to participate. The President is speaking to these members on a one by one basis so that they can leave, if that is their wish, in good standing and in the hope that we can find a way to continue to keep in touch. That leaves a few members, most of whom we have not seen for a while who have not been in touch and will now be struck off the membership register. It has to be accepted that people's circumstances do change, but also that model engineering is a hobby occupying valuable discretionary free time and sometimes interests and priorities alter and of course we must accept that. At present, it looks as though we are heading for a smaller Society with the membership of 50 to 60 members, the vast majority of whom will be active participants in the fundraising activities of Sunday running.

As we move towards the end of the Society's financial year in September and the annual general meeting in December we are starting to think about the shape of the next committee. It is important that the committee is refreshed and active members circulate through this important function both to progress the society and also to share the workload. Please consider whether you could have something to contribute and discuss this with a member of the current committee if you are interested. The idea of running around effectively co-opting people on the day of the AGM is not very satisfactory and certainly does not make best use of the considerable talents we know we have in the society.

David Black, President

Bits and Pieces April 5th 2016

Conducted by Ron Copeland, with photos and report by the editor, assisted by Grant Anderson.

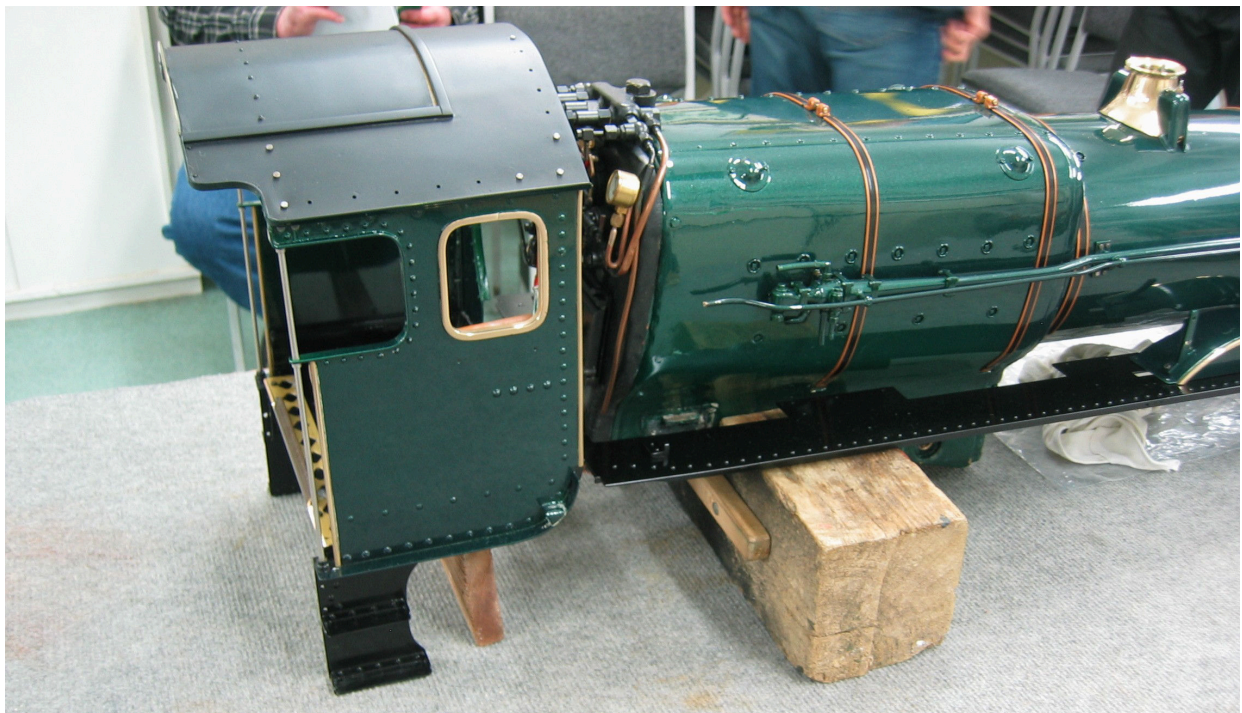
There were only five exhibits on the table tonight. Has everybody stopped making interesting items?

Dominating the table tonight was Mike Banks's King boiler, beautifully finished.

Mike did all the paintwork outside in the open air.

The boiler insulation is made from wool, as used in furniture removal blankets.

Mike had some "fun" creating the brass window frames, but they look superb.





Also on show was the triple lubricator Mike built for the King.



Next was the cylinder block from Greg Burrows's 4½" scale steam truck. Greg had recently received the casting from the UK and is making it a double high pressure engine rather than the original compound design.



These two pictures show a rather large wheel brought in by visitor Bill Parker. This is from the 4" scale traction engine that Bill is making. The rivets were inserted cold using a 6-tonne press.





This large cup was brought in by Bob Aickin and was awarded to him for 12 months by the NZ Water Ski Association. Bob displayed the cup as an interesting example of the silversmith's art.

Greville Gets Around

I recently spent a week in the bottom of the South Island.

Visited the Otago Model Engineering Society Track at St Kilda and was warmly received by their President Michael Forest.



He showed me around the whole complex for approx. 2 hours and I had a ride around the track.

Note there are four gauges here. (Raised 2.5", 3.5", 5" & 7.25") 465m long.

Also enjoyed a visit to Hayes Engineering Works (near Waipiata near Ranfurly).

Ernest Hayes (1851 – 1933) was a true example of the No 8 wire ingenuity.

He invented devices, in his 1898 workshop, that are still in use today, such as wire fence strainers.

His wife Hannah, apart from producing 10 children, rode around the countryside, in full skirts, a high fronted bike, selling his wares to farmers.

He built her a large mudbrick homestead which had electricity in the early 1920's.

You can visit this as well as the workshop.



It would be excellent to be there on the first Sunday of the month, when many machines go live. – Location is on State Highway 85 – Hayes Road, off Ida Valley Rd, Otarehua, Central Otago, not too far from Ranfurly.

Nearby is the historic little town of Ophir with a very old Post Office, and other places of interest.

In Invercargill I visited Richardson's Truck Museum. It is reputed to be the largest truck museum in the world – has over 400 trucks!



Also visited the Otago Miniature Road & Rail Society Inc. at Bush Road Mosgiel. This is a relatively new group.

Again I was warmly shown around by their President Noel Wilson. They have done remarkably well for such a small number of members in a short time plus have plans to expand more yet.



Yours truly driving one of their club locos around the track which is 980 m long!.

Very spacious grounds compared to ASME!

So this is just a little to whet your appetites and encourage ASME members to travel to other clubs.

Greville

Working Bee 9th April 2016

After being postponed twice because of pending wet weather, the working bee to lower the delivery track to the steaming bays finally got under way. Unfortunately, it coincided with a planned fun run on the same day, so not much of the latter was able to take place. Here are a few photos of the progress made.



Tony Lawrence drives the digger.



Bob Aickin, Mike Moore and Allan Bailey take care of soil disposal.



Left: The (more or less) completed excavation, looking from the dogbox end. The next steps will be installing boxing and laying a concrete track-bed.



Bottom left: Steam gives way to soil! Grant driving Hotpot with some visitors behind finds his way blocked by a trolley load of soil heading for the top of the hill. Hotpot was the only steamer to take part in the Fun Run in the afternoon. Meanwhile, at right, Greville keeps an eye on the digger.

Bottom right: In this view there can be seen all three levels of the track. Locos moving to or from the steaming bays will be bridged over the lowest level (in the gap to the left of Tim's knee) and pass under the middle level (by his elbow). To the right, excavation has been made to allow better pedestrian access to the delivery track.



For Sale

For Sale 7-1/4" g 2-6-0 Mogul



10 Months old and still like new, out of the locomotive works of Greg Burrows, is a 7-1/4" g Keith Watson design Mogul.

The loco has an 8" steel locomotive style fire-box boiler with 3/4" copper tubes. Water supply is by two steam injectors and a steam water pump. The loco is fitted with full lighting in the cab and running lights in the gauges as per full size. The loco runs very well on all types of coal including the new Welsh coal. It is also fitted with a speedo to keep you up-to-date with how many km's and what speed you are travelling at. Water tank in the tender is stainless steel and the tender is fitted with vacuum brakes. The loco crew comes with the loco if you want them. The loco has covered just over 230km's already and is ready and waiting for its new owner to take her out and take a load of happy passengers for a ride. \$36,000 ono.

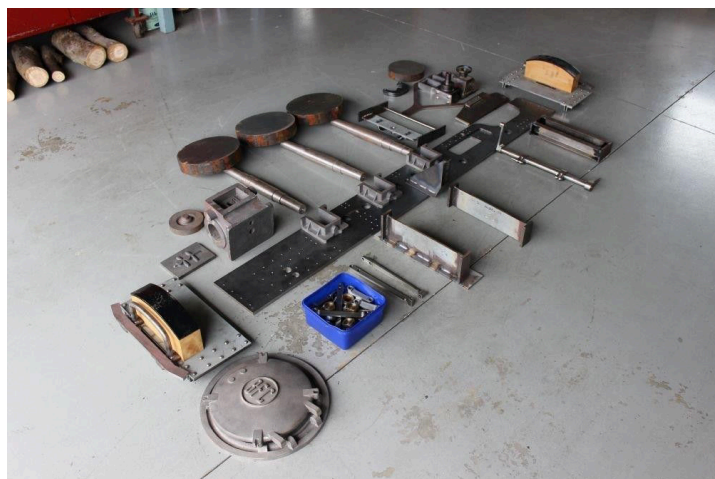
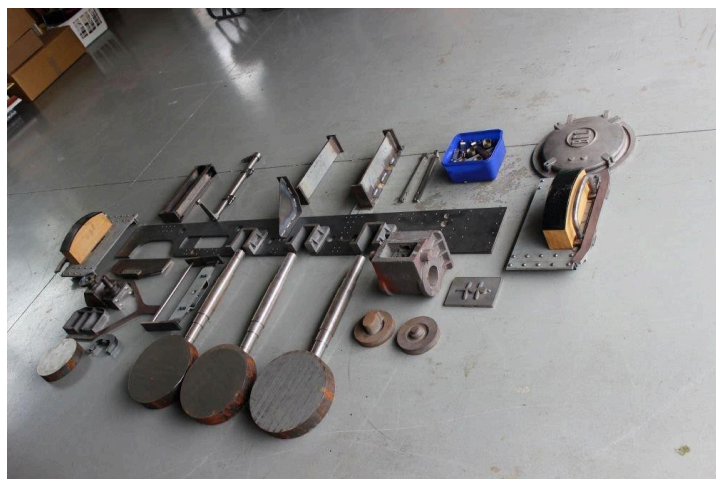
For more information please contact Greg Burrows Ph: 0274-886438 or 09-2358944



For Sale

Bunyip parts and castings. It is to build a 7-1/4" g 0-6-2 Bunyip, cylinder castings and smokebox castings plus others. Frames, wheel blanks head stocks and lots of valve gear parts. \$2000.

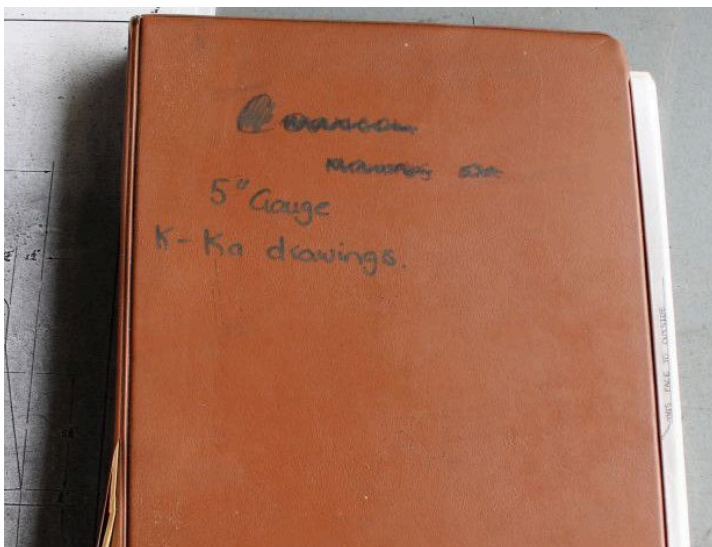
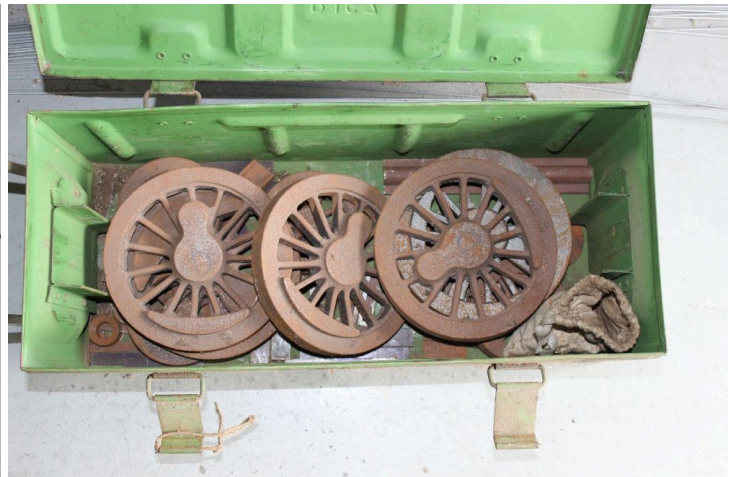
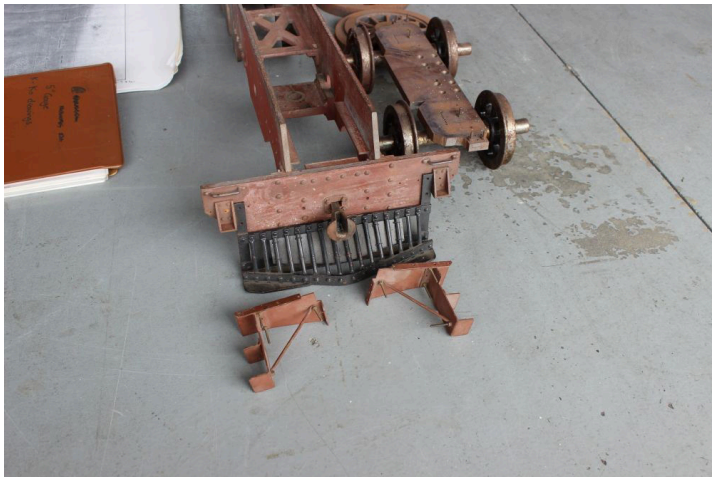
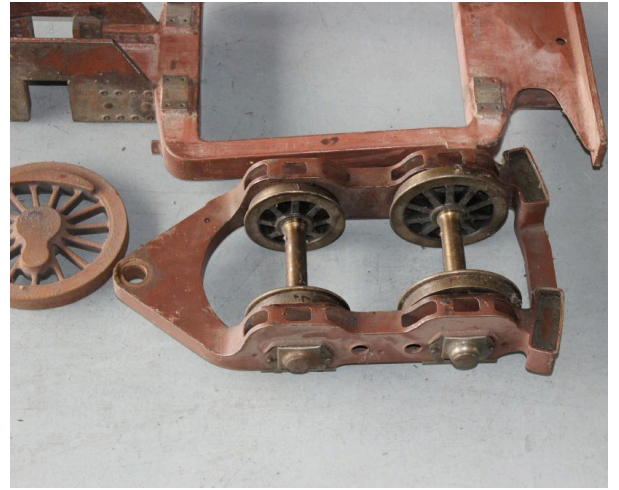
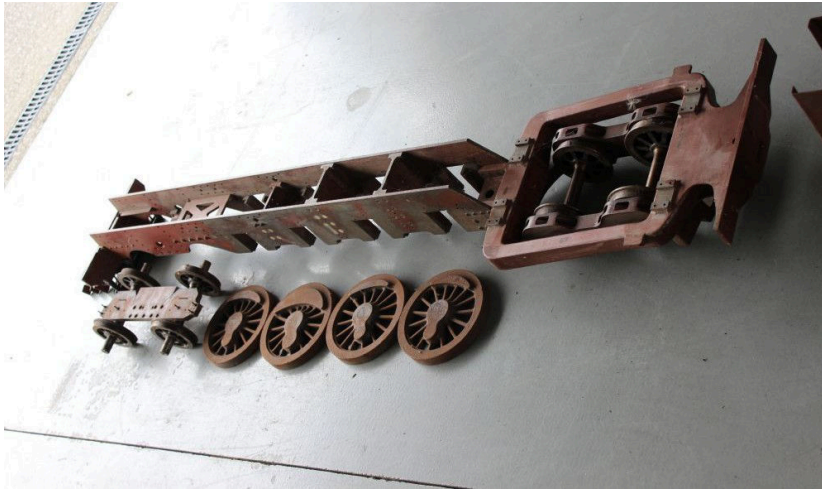
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For Sale

NZR Ka parts and castings. It is to build a 5"g 4-8-4 NZR Ka. Wheel castings, frames, head stocks and lots of other parts and information. Boiler drawings etc. \$2000.

For more information please contact Greg Burrows Ph: 0274-886438 or 09-2358944



For Sale

Group 1

Phil Isaac's Dore Westbury Mill Drill With original plans and annotations by Phil

Comes with many other bits and pieces.

Stand on castors making the Mill Drill easily movable if necessary.

Tray of MILL FITTINGS plus various Drills, Reamers and 13 small flute less taps.

Tray of VICES AND CLAMPS

"MILL TRAY" comprising dozens of cutters and chucks.

Tray of STRAPS AND PACKING PIECES.

Tray of Taps, Drills and End Mills.

Group 2

Phil's ROTARY TABLE 3 1/2" with many associated holding items.

Phil's DRILL PRESS VICE 3" opening, 2 1/4" wide, 1" deep - fits the table on the Mill.

OFFERS IN EXCESS OF:

Group 1 Mill Drill, and associated items - **\$1,500**

Group 2 Rotary Table and Drill Press - **\$400**

Groups 1 and 2 together - **\$1,750**

Contact Doug Leybourne

doug@leybournes.com

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7/25 Roseberry Avenue, Birkenhead, Auckland 0626

NOTE I bought this package from Phil's Estate, Phil was a good friend and I wanted to have his Mill Drill as a memento. Sometime after he died I moved to a much smaller house and sold nearly all of my machine tools, but I kept the Mill. I have never in fact used it except to check that it did work – I made the stand on castors, tucked the Mill in a corner in the garage and there it has stayed. I now need more garage space, hence the sale.