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The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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REGISTERED NEW ZEALAND PUBLICATION

New Addition to the Station Furniture...

...and it has nothing to do with ultra-fast
broadband installation!

These new cones and rails are to be
placed across the entrance to the station at
the pedestrian underpass end on running
days. See President's Report on page 3.

(Photo by the Editor)





Train Roster

Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard	Station / Guard
3-Dec-17	M Moore	M Plant	Voluntary	<u>B Aickin</u>	B Cooper*	R Crook	
10-Dec-17	R Reichardt	I Ashley	Voluntary	<u>P Dowdeswell</u>	P Jones*	D Beecher	
17-Dec-17	P Woodford	A Bailey	Voluntary	<u>T Lawrence</u>	M Luxton*	M Vickers	
24-Dec-17	-----	Xmas / New Year Break - No Roster in Operation					
31-Dec-17	-----	Xmas / New Year Break - No Roster in Operation					
7-Jan-18	M Banks	G Beasley	Voluntary	<u>S Meikle</u>	B Cooper	R Crook*	
14-Jan-18	M Granger	M Hollis	Voluntary	<u>T Robinson</u>	P Jones*	D Vaughn	
21-Jan-18	D Housey	J Lankow	Voluntary	<u>G Anderson</u>	M Luxton*	B Matchett	
28-Jan-18	D Moffatt	M Moore	Voluntary	<u>D Russell</u>	J Service	R Stratton*	
4-Feb-18	R Reichardt	A Shirley	Voluntary	<u>B Aickin</u>	P Tomkies*	S Shirley	
11-Feb-18	P Woodford	I Ashley	Voluntary	<u>G Wills</u>	B Cooper*	D Beecher	
18-Feb-18	A Bailey	M Granger	Voluntary	<u>P Dowdeswell</u>	R Crook*	M Vickers	
25-Feb-18	M Banks	G Beasley	Voluntary	<u>T Lawrence</u>	P Jones*	D Wilson	

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.

DECEMBER CALENDAR

Tuesday December 5th, 7.30pm - Annual General Meeting, ASME clubrooms.

Friday December 8th, - ASME Christmas Dinner at the Remuera Club, Ohinerau Street, Greenlane. Mix and mingle in the Lounge Bar from 6.00 pm. Dinner expected to be ready 6.45 - 7.00-ish.

Tuesday December 19th, 7.30pm - Committee Meeting, ASME clubrooms

President's Report

At the Saturday working bee on 25 November a temporary siding was installed at the station so that drivers of steamers etc, can come off the main line to have a break and tend to their locos.

Mike Banks had a test run of his King loco having finished repairs and Allan Bailey steamed up and took his new Polly Models loco for its first run on the track. Both tested the temporary siding.

A section of the fence at the station has been removed so that work can continue on replacing the passing loop and parking siding. There are road cones and barrier poles (telescopic!) in the engine shed and these are to be used as a safety feature on Sundays while public running is under way.

The Annual General Meeting is on 5th December. New committee members are required. If you think you are committee material, don't be backward in coming forward!

Timothy Robinson

President ASME

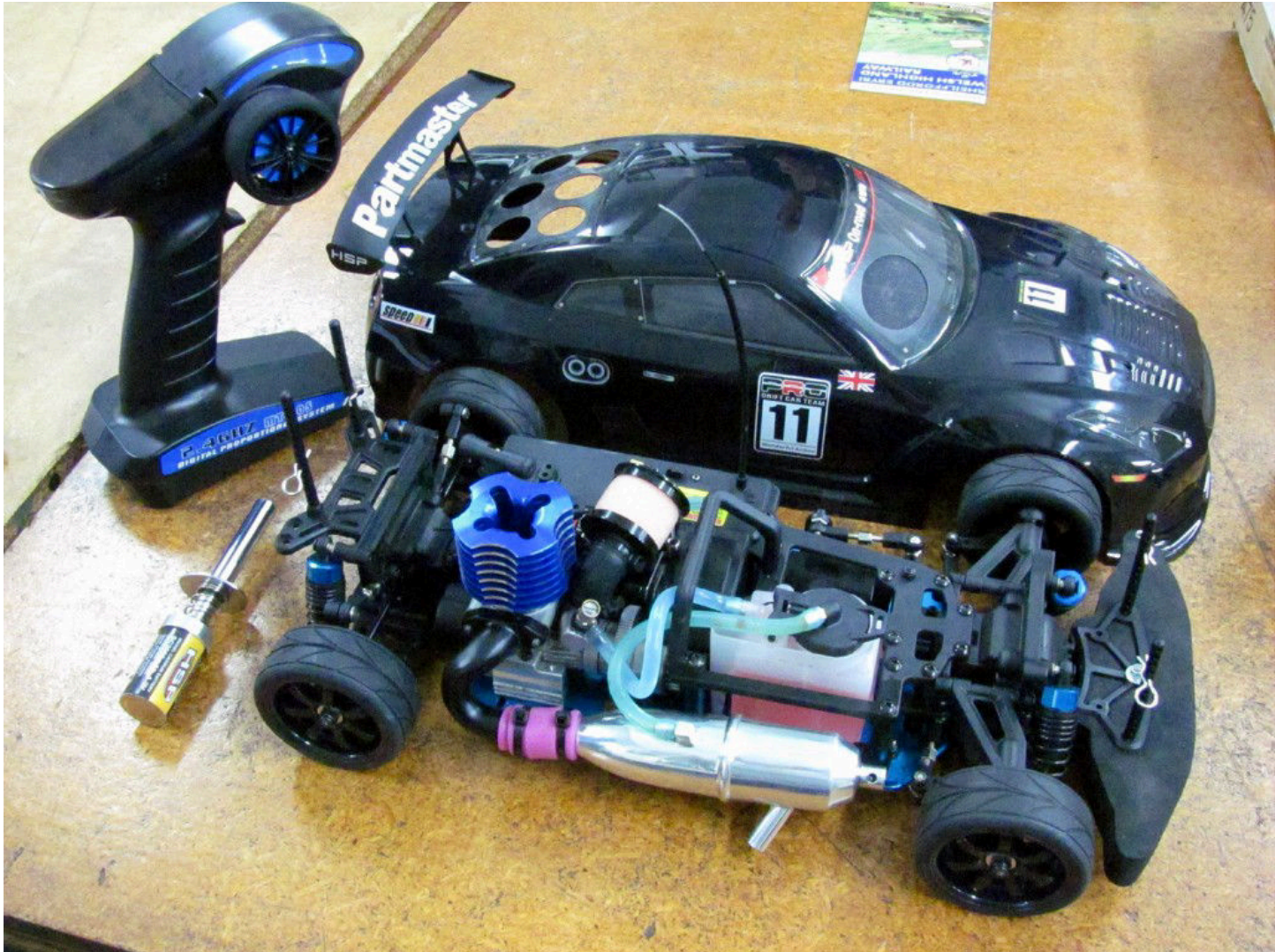


Allan Bailey (left) and Mike Banks with passenger Bruce Matchett trying out the new temporary siding at "Waipuna Junction". The transition plate, borrowed from the Dog-box tracks, effectively provides the means of getting off and on the main line.

(Picture by Timothy Robinson)

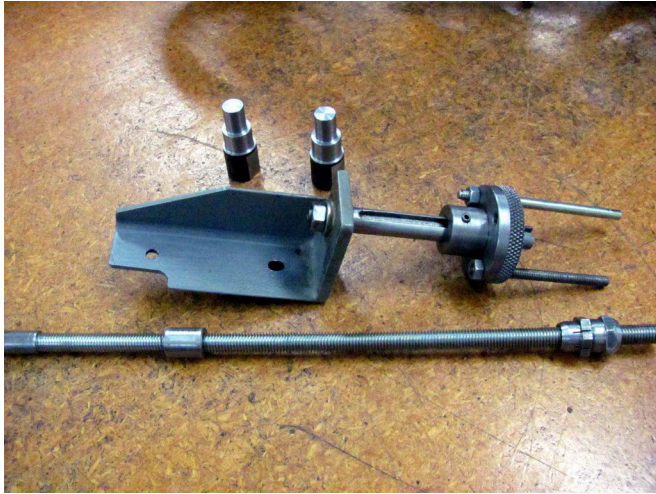
Bits and Pieces 7th November 2017

Conducted by Mike Banks, Report and Photos by Dave Russell



First up tonight was a Radio-Controlled, Nitro powered, 1/10 scale, 4WD model car. I received this as a Father's Day present to myself. The engine is 0.18 cu.in and produces about 1 horsepower at 28,000 rpm, this is transmitted through a centrifugal clutch to a 2-speed gearbox and then via driveshafts to front and rear differentials then axles to the wheels. It is good for about 80 km/h (needs quick reflexes), stops well via a disc brake on the rear driveshaft. The front and rear suspension and steering all work as per full size vehicles, with all toe, caster, camber angles being adjustable. Came assembled ready to run with all radio gear included NZ\$245 (free shipping). The members coaxed me into starting it up for them and I am sure the smell of burnt castor oil brought back many memories. The fuel mix is 20% Nitromethane, 68% Methanol and 12% castor and synthetic oil.

(There's a lot of detail in this model so I used the whole width of the page so it could be more easily seen - Ed)



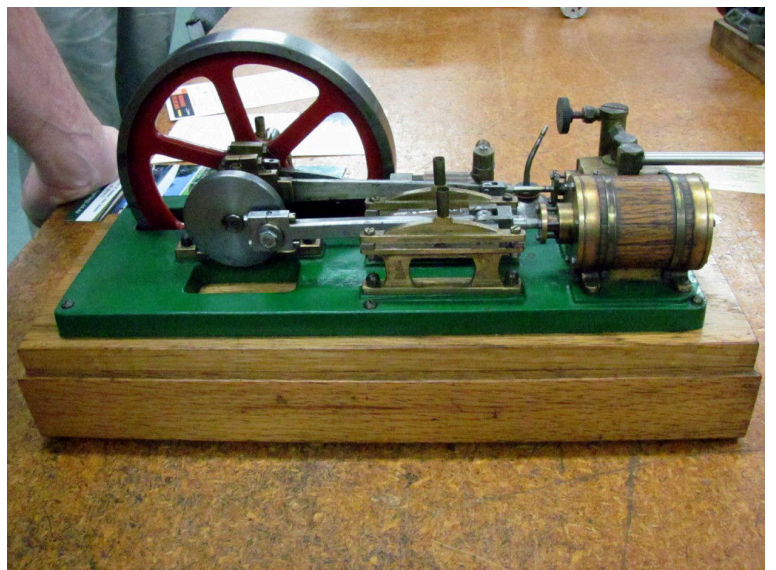
I had made a run of 24 bearing bolsters for the bogies on the club passenger trollies. Two gadgets that made the production job a lot easier were an adjustable saddle stop and a lathe spindle depth stop for the Myford ML7, the first being bought at a club auction and the second being made for doing this job.

This fine motor cycle was built by our late senior member **Jim Greasley**. Jim built this entirely from memory as a model of a bike he used to ride. It is believed to be a BSA. In the background is a triple expansion marine engine also passed on to the club from Jim Greasley.



Graeme Murray made this small cutting attachment for cutting slots up inside a tube as part of a job he was doing at work.

John Lankow has restored this model made by **Peter Fisher** and donated to ASME by Peter's daughter. The model is a Kennions (glrkennions.co.uk) horizontal mill engine and will be displayed in the club rooms for all to see.





This winch was purchased from Supercheap Auto by **Greg Burrows** and with some modifications will be used to load and unload Greg's Foden steam truck into the back of his van. Greg has added some relays and a remote to control the winch.

Our resident Ford Zephyr specialist **Grant Anderson** has been rebuilding the lever shocks for one of his cars. The plain seal that always leaks oil is being replaced by a modern seal, this requires a hard sleeve to be made for the shaft of the shock.



Grant is also replacing the pins and bushes in the valve motion on his Phantom 7-1/4" locomotive. As a test to see what lasts longer Grant is replacing one side items as per original (bronze bushes and steel pins) and the other side with cast iron bushes and case-hardened steel pins. It will be interesting to see how the wear per side compares in the future.



Mike Jack brought in some more castings made from waxes printed in his workshop. There was a pair of bronze crossheads for a client along with a motion bracket, then there was a pair of frame angle support castings in steel for one of Mike's class 3 locomotives.



For Sale

This Maximat Mentor 10 lathe is part of a deceased estate which is being handled by Ian Donald (Secretary of Scale Marine Modellers). Ian says:

“ I have been involved with an estate clearance here in Papakura . This lathe is for sale. I don't have too many details at this stage but thought I would let you know it is available if any ASME members might be looking for one . I think the chuck is 125mm and the bed is 500mm (*Actually 650mm between centres - Ed*). As for price I simply don't know what one like this would be worth. It is in good condition.”

Anyone interested would be well advised to talk to Grant Anderson who owns one. This is what Grant says: “They are a good Austrian-built EMCO precision lathe. My one is the same model - just a different colour”.



The lathe is in good order, has 3 & 4 jaw chucks and fixed steady - also other bits & pieces.

Factory specs are on next page.

Ian's phone no is 09 2997418

Technical Data of Lathe:

Motor rating:

Main drive motor

Three-phase a/c

1400/2800 rpm; 0,6/1 HP

Single-phase a/c

1400/2800 rpm; 0,6/0.85 HP

Distance between centres

650mm

Centre height

127mm

Swing over cross slide

145 mm

Required floor space

1280 x 550 mm

Net weight:

without floor stand

approx. 128 kg

with floor stand

approx. 188 kg

Headstock:

Spindle nose

Form E- M39 DIN 800 with Morse taper No.3

Hole through spindle

20mm

Taper socket for collets

L2040-826

Spindle bearing arrangement

2 precision taper roller bearings

Spindle speeds

60-120-240-315-480-630-1250-2500 rpm

Feeds:

24 -longitudinal feeds

from 0.028-0.444 mm/turn

24 - cross feeds

from 0.014 - 0.222 mm/turn

Thread pitches:

24 metric threads

from 0.25 - 4.00 mm

Whitworth threads

from 120-6 threads/inch

Module threads

from M0.15 - M2.00

Tailstock:

Barrel diameter

30mm

Traverse of barrel

80mm

Morse taper

No.2

Set-over

12.5 mm on each side of axis

