

Number 646

June
2019

The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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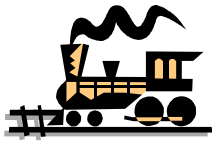
REGISTERED NEW ZEALAND PUBLICATION

Stormy Weather Strikes

Recent fallen tree branches - just as well
this didn't happen during Sunday running!

Photo: Grant Anderson





Train Roster

Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard	
2-Jun-19	J Lankow	M Plant	Voluntary	<u>T Robinson</u>	B Matchett*	L Brown	
9-Jun-19	M Moore	P Moy	Voluntary	<u>G Anderson</u>	R Souter*	D Vaughan	
16-Jun-19	R Reichardt	A Shirley	Voluntary	<u>D Russell</u>	A Stratton*	M Vickers	
23-Jun-19	P Woodford	I Ashley	Voluntary	<u>G Wills</u>	D Wilson*	D Beecher	
30-Jun-19	A Bailey	G Beazley	Voluntary	<u>B Aickin</u>	R Crook*	S Wilson	
7-Jul-19	M Granger	M Hollis	Voluntary	<u>P Dowdeswell</u>	M Luxton*	L Brown	
14-Jul-19	D Housley	J Lankow	Voluntary	<u>T Lawrence</u>	K Ryan*	B Matchett	
21-Jul-19	M Moore	P Moy	Voluntary	<u>S Meikle</u>	R Souter*	M Vickers	
28-Jul-19	M Plant	R Reichardt	Voluntary	<u>T Robinson</u>	A Stratton*	D Beecher	

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

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

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.**

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.

JUNE CALENDAR

Tuesday June 4th, 7.30pm - General Meeting, ASME clubrooms. Allan Stratton will demonstrate the use of the video download facility he has created and Mike Banks will be giving a talk on aircraft navigation.

Tuesday June 11th, 7.30pm - Workshop Night, ASME clubrooms

Tuesday June 18th, 7.30pm - Committee Meeting, ASME clubrooms

Coming Up - 2019 NZR Day at Brayshaw Park, Blenheim June 15th.

- Tauranga Model Marine and Engineering Club 40th Anniversary July 5th-7th. See invitation from TMMEC on page 5.

- Hamilton Model Engineers Inc. **Steam N' Steel 2020 Convention**, Hamilton January 9th-13th 2020. See www.hme.co.nz/page/steam-and-steel-2020/ for registration and other information.

Committee Comments

Committee Comments – June 2019

Although our Dsa loco had its final checking by President Timothy (as reported last month) it has been decided that we should fit the loco with a vacuum pump and brake control so there is no likelihood of this matter being a problem later; i.e. it will be the same as the other two club locos. Timothy reports that he has almost completed the set-up in the workshop and then it just has to be fitted to the loco, so it shouldn't be too much longer and the Dsa will finally be right for Sunday running.

The application made to Auckland Council for a renewed Permit to Operate resulted in a careful inspection by an AC-appointed contractor (Geoconsult) on 5th May. A Permit was issued on the day for a 12 month period (the maximum term AC will grant). Another Permit will be required later to cover the remaining term through to expiry of the current ADR registration certificate on 19 January 2021.

A new battery charger for the Dsc loco has been installed at the dogbox – we now have two of the same modern type, mounted one on each door. The old charger will be fitted up for use with the Dsa loco.

Work has progressed well on replacement of the headstock bolts on the two trestle bridges, with only about 20 bolts to go. However, the main pedestrian bridge is of similar construction so it has been decided to replace these as a follow-on job while Tony Lawrence has the replacement method tuned up and working so well.

The picture shows Tony hard at work drilling out old trestle bridge bolts with the "homegrown" water cooled, diamond tipped tool, assisted by Timothy.

(Picture by Grant Anderson)



Recent winds have resulted in a few branches coming down across the track – thanks to Mike Banks for coming in with his chainsaw and cleaning the mess up.

Early in May, a passenger complained that one of her shoes was damaged by a spark or cinder from a steam hauled train. It appears the sign warning riders of this hazard may not have been put out at the station, so the decision was made to offer reimbursement for her loss. We have updated the daily checklist sheet to include putting the “sparks” sign out when steamers are operating – would all Train Controllers, station staff and steam engine drivers check this sign is out when steamers are operating. The ASME website has also been updated to include this warning. Beyond that it remains for drivers to be careful about abrupt throttle movements which might draw cinders off the firebed unnecessarily, and that the appropriate arrestor or deflector devices are fitted.

The leaf sucker has been hard at work recently with very heavy falls of leaves from the many deciduous trees surrounding the Waipuna Miniature Railway. Dust created from the operation can cause problems with the club electric locos (as occurred earlier this year) with the risk these may not be available for public running. Therefore, Greville Wills has jumped in, acquired and fitted a Fisher & Paykel 600w wheelchair power unit to the rear of the dynamometer wagon and connected this up to the wheels in such a way that it is now a dual purpose unit. It had its first run on Saturday 18th May and successfully pushed the leaf sucker works train around the track for an hour continuously.

The "new" motive power unit for the leafsucker train on its first run (guards to be fitted after trial).

(Picture by Grant Anderson)



Greville adds:

From this first test run, I found the unit was too low geared (meaning it would take an age to get back to the dumping area when full and to travel back to where you had got to)..

So I took it home and changed all the gears to make it go faster, ie. max speed forward 10Km/Hr. On a second trial last Saturday it did the whole job. (I had to empty the bag four times).

But it still needs some mods and to change one gear lower aiming at max 5 Km/Hr forward.

When actually sucking the leaves up you need a dead slow speed - which the controller does.

And finally, our "roving reporter" writes in from the 1997 ASME open weekend and exhibition:

Easter Weekend 1997.

A splendid weekend! The weather was gorgeous, the entries were plentiful, and of a high standard, plus a good number of visitors viewed the exhibits and rode the trains.

Visiting from Napier were Ray Bates and Heather Robertson, with 2 engines; a German BR4 and an electric engine, 'Regina' with which Heather won the Concours d'Elegance prize. Another visitor was Robbie Galvin from New Plymouth, who also brought 2 engines, a WW NZR Loco and 'Nigel Gresley' an LNER 2-8-0 Loco. Also present were Robert Johns and Harold Wilkes from Manukau Live Steamers with a WAB Loco. According to my count there were 32 Locos at our exhibition, plus 6 aero engines, 18 tool entries, 18 stationary engines, 4 artillery pieces, 7 traction engines, and at least 18 marine items. (Hard to count as they kept taking some out to sail!)

The weekend was completed with a prize giving and a very nice dinner attended by 43 people. A highlight was a trip on the good ship 'Victoria' a steam launch owned (and built) by Wayne Larson, and crewed by Graeme Wilkinson. (Who won the title of Captain Pugwash) Another highlight was the sight of Dave Watts' wonderful traction engine giving rides to the public. Lunches were provided by the ladies, who all had a thoroughly good gossip! Better than sitting at home nursing their wrath to keep it warm! All in all a very successful and pleasant interlude. Apologies for any omissions.

Alan Pritchard.

Apologies also from the management for any offence caused to the ladies, by the above. Ed.



Tauranga Model Marine and Engineering Club 40th Anniversary Weekend.

Please come and help the Tauranga Model Marine and Engineering Club celebrate 40 years of history with a weekend of events. All these events will be open to members of other clubs so if you are interested in attending please let us know.

The weekends activities will start at 5:30pm the 5th of July 2019 with a dinner held at the Citizens Club, 170 Thirteenth Ave, Tauranga.

A Smorgasbord dinner will be served which requires a \$15 booking fee in advance with the rest subsidized by the TMMEC.

There will be a cash bar at the Citz Club at members rates.

Saturday the 6th of July then sees a public running day at Memorial Park, visiting locomotives and traction engines welcome – 10am to 3pm

Dinner served at the TMMEC clubrooms 3pm to 5pm

Due to the success of our last night run we will be holding another, this will also be open to visiting locomotives and traction engines – 5pm to 8:30pm

Then Sunday the 7th of July sees a normal running day of 10am to 3pm, again also open to visiting locomotives and traction engines.

If you wish to attend the dinner or night run with a locomotive, then please let the secretary know in advance at secretary@tmmecc.org.nz

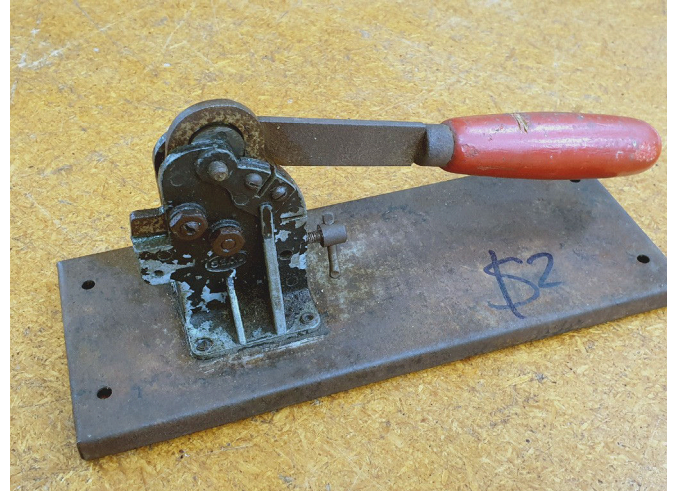
Thanks TMMEC

Bits and Pieces, May 7th 2019

Presented by Bob Aickin, Report and pictures by Dave Russell

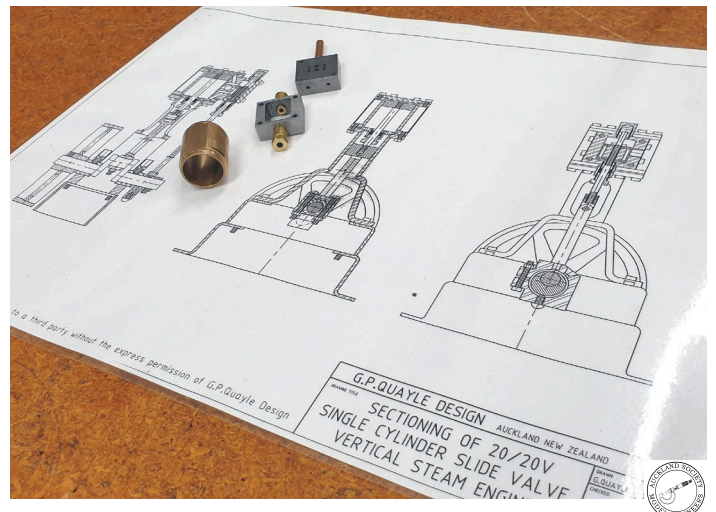
The first item tonight was a "What Is It?" brought in by **Mike Moore**. The item was identified as a patent JUNEERO multi-purpose tool. This was the centre piece of a forerunner to Meccano called JUNEERO from the late 30's. The tool does everything needed to turn the raw metal pieces in the kit into useful items, please check it out here, fascinating.

<https://www.brightontoymuseum.co.uk/index/Category:Juneero>



You must have seen many puzzles like this or similar, **Bob Aickin** made this one to keep the family amused. The only problem is that as the constructor you know how to solve it. Or if you are really stuck you know how to take it apart the hard way.

We had a visit from a prospective new member Scott Laurensen who is building a Graeme Quayle design 20/20V vertical steam engine. Scott wanted to clarify how the part he had made from the drawing was incorporated in the assembly. Scott showed me some photos of his workshop and it is very tidy, thousands of little drawers of screws, nuts and fittings. A lot of Scott's hardware is stainless as his father who he inherited from was a marine engineer.



Workshop Practice Series Books

Just a reminder that the club has a number of Workshop Practice Series books for sale at \$20.00 each. These handy little books are available by sending an email to Gary Farquhar at gary@farquhar.net.nz

1. Hardening, Tempering & Heat Treatment

Tubal Cain

3. Screwcutting in the Lathe

Martin Cleeve

4. Foundrywork for the Amateur

Terry Aspin

5. Milling Operation in the Lathe

Tubal Cain

6. Measuring and Marking Metals

Ivan Law

7. The Art of Welding

W A Vause

13. Workshop Drawing

Tubal Cain

15. Workholding in the Lathe

Tubal Cain

16. Electric Motors

Jim Cox

18. Basic Benchwork

Les Oldridge

20. Metalwork & Machining Hints & Tips

Ian Bradley

22. Workshop Electrics

Alex Weiss

23. Workshop Construction

Jim Forrest & Peter Jennings

28. Simple Workshop Devices

Tubal Cain

29. CAD for Model Engineers

D A G Brown

30. Workshop Materials

Alex Weiss

32. Unimat III Lathe Accessories

Bob Loader

33. Making Clocks

Stan Bray

34. Lathework- A Complete Course

Harold Hall

35. Milling - A Complete Course

Harold Hall

36. Photo Etching

Brian King & Azien Watkin

37. Dividing

Harold Hall

38. Tool & Cutter Sharpening

Harold Hall

39. Model Engineers' Workshop Projects

Harold Hall

41. Grinding, Honing & Polishing

Stan Bray

42. Metal Workers' Data Handbook

Harold Hall

43. The Mini Lathe

David Fenner

44. The Metal Workers' Workshop.

Harold Hall

45. Basic Lathe Work

Stan Bray

46. Workshop Machinery

Alex Weiss

47. Three Phase Conversion

Graham Astbury

48. Mini Lathe Tools & Projects

David Fenner

49 The Milling Machine

Harold Hall

For Sale

This model NZR WA locomotive, along with several carriages and goods wagons etc (shown on the next page), was made by ex ASME member Harold Joynt and is now for sale by his granddaughter's husband, Ricky Osborne. The loco is coal fired and appears to be 2" gauge. (A photo of the loco in ASME's display at the 1961 Auckland Easter Show can be found in the History section on ASME's website (www.asme.org.nz).)

There is also a photo history of some of these items Harold made, and of his properties and track from both his time in Auckland then later down in Kakanui, Oamaru.

Anyone interested in making an offer on these can contact Ricky on

Cell 0211042455

Email rick.oz@netspeed.net.nz

Harold was also involved in making an A Class tank engine with Frank Roberts. This is now in Te Papa.

<https://collections.tepapa.govt.nz/object/119037>

