

The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

PO Box 14570, Panmure, Auckland, 1741, NEW ZEALAND

Club House: Peterson Rd, Mt Wellington Auckland

Telephone: (9) 570 5286

Club Web Site: www.asme.org.nz

President	Tim Robinson	09 296 2949
	e-mail address	timothy-robinson@xtra.co.nz
Secretary	Mike Moore	09 443 6050
	e-mail address	mike.moore01@clear.net.nz
Editor	John Lankow	09 576 5400
	e-mail address	jlankow@paradise.net.nz

Number 589

April 2014

REGISTERED NEW ZEALAND PUBLICATION

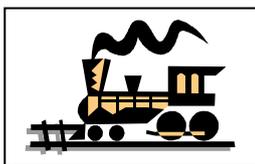
Place
Stamp
here

Return Address:
ASME
PO BOX 14570
Panmure
Auckland 1471

Going Nowhere Fast

Fowler Traction Engine.
Children's playground,
Collingwood, Golden Bay





Train Roster

Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard	Station / Guard
6-Apr-14	M Hollis	D Housley	Voluntary	<u>T Robinson</u>	K Ryan*	A Shirley	R Smith
13-Apr-14	T Leys	S Meikle	Voluntary	<u>G Anderson</u>	R Stratton	R Street*	T Taylor
20-Apr-14	I Ashley	D Moffat	Voluntary	<u>B Piggott</u>	J Olsen*	W Parker	A Pritchard
27-Apr-14	D Booth	B Cotton	Voluntary	<u>T Lawrence</u>	G Quayle*	M Richardson	P Boyes
4-May-14	T Leys	R Reichardt	Voluntary	<u>G Anderson</u>	A Foster*	D Gulliver	P Jones
11-May-14	P Woodford	B Aickin	Voluntary	<u>B Piggott</u>	J Lankow*	D Leybourne	M Luxton
18-May-14	I Ashley	D Booth	Voluntary	<u>D Russell</u>	H Martin	C Mitchell	G Murray*
25-May-14	B Cotton	P Dowdeswell	Voluntary	<u>G Wills</u>	J Olsen*	W Parker	A Pritchard

Please Note: We have reduced the number of Station people to three, but do need more Train Controllers. Please see appeal elsewhere in this newsletter.

Please be aware that due to Track Maintenance work, some Sundays' running will be cancelled. You will be notified by email prior to the day.

Bold and Underlined Name:

This is the designated **Train Controller**, i.e. the person in overall control of all operations for the day. If you are the Train Controller, you should phone around the others rostered for that day to make sure they remember to turn up.

Bold with Asterisked* 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.

Please Note:

On your rostered day, you should arrive by **12.30pm** to get prepared for the day's running. 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 and to **advise the Train Controller of the change** in advance – 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.

There is no expiry period or date on train ride tickets previously sold.

ASME Station Operating Guidelines

Refer to the September newsletter for full details and carry a copy with you when you go on duty. One thing that was not highlighted is the necessity for all passengers to have shoes or other appropriate footwear.

If an accident occurs it must be reported and dealt with in accordance with the standard procedures. Full details of these will be published in due course. In the meanwhile use common sense. Get medical help if necessary, get names of witnesses, inform the President and the Club Manager, follow up with the people concerned if anything more than a very minor incident.

Station Procedures

Please ensure that the following procedures are used in the station.

Once all the passengers are seated and their tickets clipped the following instruction should be given (or something along similar lines):

- You must remain seated at all times while the train is in motion
- Do not jump around, lean out or grab any items beside the train
- Keep your feet on the footrest at all times while the train is in motion
- Enjoy your ride on our railway

When the train and passengers are ready to leave, the Stationmaster will give verbal "right of way" to the guard or to the driver in the absence of a guard

NOTE: the preferred instruction is to advise Guard or Driver "Right of way". The Guard will then signal the Driver with one beep on the horn (or a whistle). The driver will acknowledge with two beeps before proceeding.

Club Calendar

1st April	Monthly General Meeting (7.30pm)
8 th April	Committee Meeting (7.30pm)
25 th April	MLS Run Day. (See below)

President's Report – April 2014

Work on the Track & Trolley project is progressing with the 5th and final 100m section of the concrete base completed. The new riding trolleys are nearing completion. There is preparation work to do as we get ready to change over to running on stage 2 of the track so that we can complete the work on stage 1.

I regret to inform of the passing of our esteemed Life Member, Alan Gasteen, on the 15 March, 2014, aged 79 years. Alan was a creative and outstanding model engineer and was always happy to share his knowledge. He had only recently moved into a rest home.

Train Roster: It is your responsibility to find a replacement if you cannot be there on your rostered day.

SAFETY. PLEASE REMEMBER

The committee has Prohibited the use of cameras, phones & video equipment, etc. when riding the Trains.

Timothy Robinson
19 March 2014

President

Track and Trolley Project

Update on the Track & Trolley Project 2013.

The good news is that the final 100 metre section of concrete foundations was laid earlier this month. This completes five sections of 100 linear metres each, installed since this part of the Project was started in September last year. It was decided to complete the engine shed line concrete and as such a further 13 metres was completed at an attractive cost while the contractor was on site doing the last section. Some of the excavated material from the final section has still to be moved and placed elsewhere on site as this update is written, but steps are in place for this to be completed by month's end. The concrete contractor has now removed the pile of old concrete pavers and blocks which had built up under the trees adjacent to the Clubrooms and left that area tidy.

Welding up of the rail/sleeper sections have continued and we now have completed more than 60% of the 6-metre sections of additional rail required for the project – it has been great to have another member help the sub-committee on this welding work on mid week working bees – thanks to Alan Ure. And also thanks to Graeme Murray and Murray Granger who have been busy slotting sleepers and keeping the pressure on the welding team!

The turnout of members to help shift the track in and out for each section has meant that the physical effort has not been too daunting and we are grateful for their attendance which has allowed the work to be done on time – we were also fortunate that not one of the dates was affected by poor weather! The replacement of the track after each section of concrete has, on one hand, meant less time to advance the Project, while on the other hand minimised the number of days the track has been out of action – the latter factor enabling our Club to keep faith with the public and other stakeholders. On the Sundays when we have been out of action it has been a bit sad to see the disappointment on the faces of the kiddies when they realise they cannot have a ride that day, but satisfying to know we are making substantial lower maintenance changes that will enable on-going and safer operations for the long-term. It was great to be back in operation for the Panmure Basin Festival Day and approximately 1000 rides were given by the two teams of members who manned the facility – thanks for your help.

Timothy has continued the welding of the track out on site and we now have the substantial part of the upper loop completed. One tricky aspect dealt within the current period, was the pond trestle and the new common track grade, which required packing to provide support, together with a rebuilding of the eastern end platform. This work was completed by Tony Lawrence and new member Graham Beazley, initially assisted by a special Saturday working bee of members. The finished result looks outstanding; purpose built, in a very workmanlike manner.

While we have achieved a lot to date, there is still a long way to go, so we would really appreciate more assistance from members especially with the setup and welding work out on the track – again, this doesn't require welding experience, just the interest to be part of the team to set up the rail gauges and a host of related jobs prior to and after the welding. So if you haven't contributed your time & skills to the project thus far, perhaps you could come along soon and help get this Club project completed before winter. There is a working bee most Saturdays from 9am, so come and join in – any queries as to what is involved, or to confirm days for working bees, can be directed to any of the sub-committee members below.

Grant Anderson – 19 March 2014.

Project Sub-Committee Members:

Timothy Robinson Ph 296 2949, 0274 736 846

Greville Wills Ph 411 5092, 0274 982 713

Grant Anderson Ph 576 8330, 0274 810 185

Some photos of recent work.



The business end of the concrete delivery – truck and pump



The Narrows, showing completed concrete foundations from Sections 2 & 3 and part of prepared Section 5. The hose was the means to deliver the concrete to the relevant area for placement.

Coming Event: MLS Run Day – April 25th

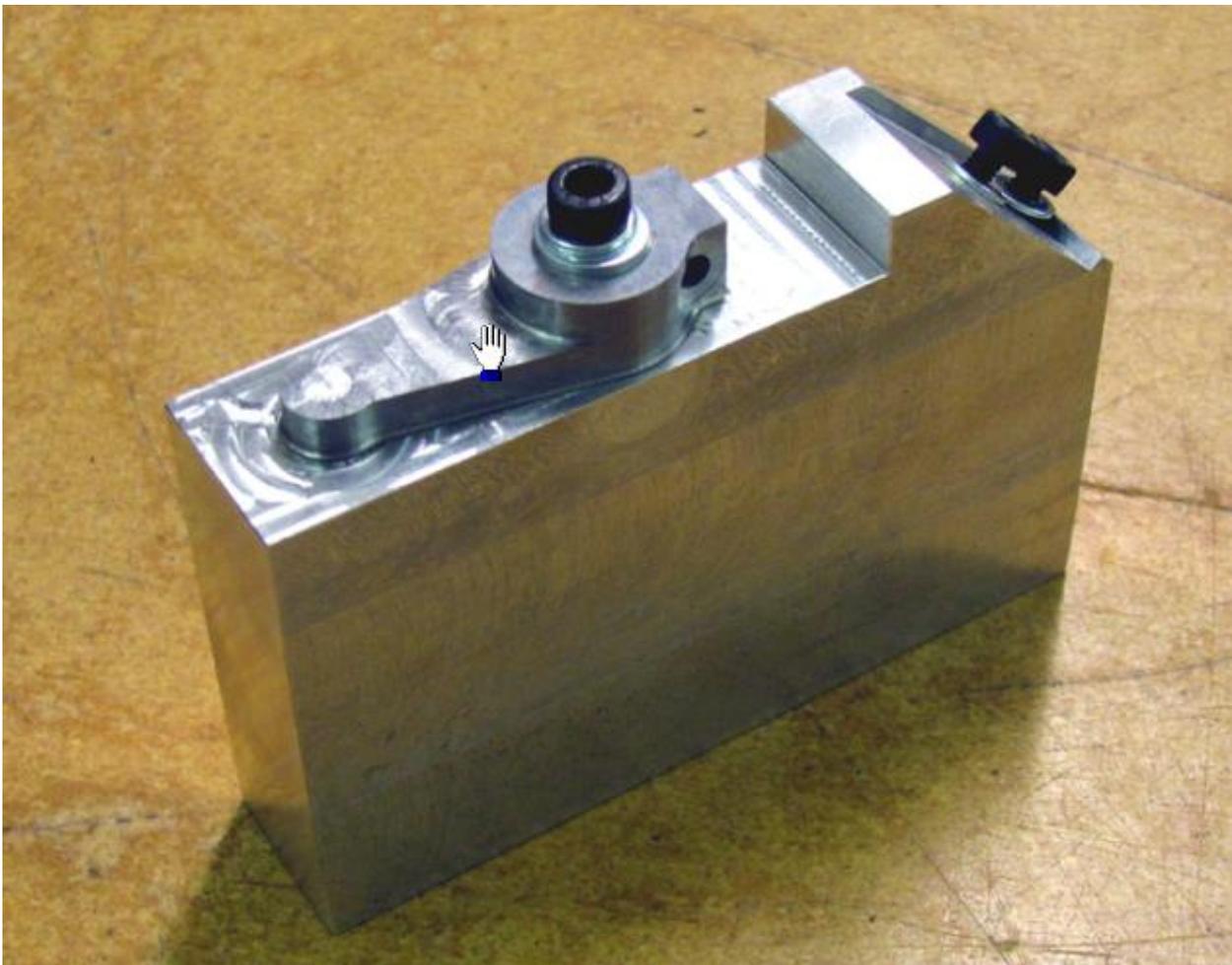
Manukau Live Steamers will again be holding a run day for 3½" and 5" locos on April 25th (Anzac Day). Morning tea and lunch will be provided. Members without locos are also welcome: MLS have club locos they can use. An indication of numbers attending would be appreciated for catering purposes. Please contact Grant by April 20 if you intend going.

Bits and Pieces – 4/3/14

Report by Dave Russell.

Due to there being a mini auction there were only two items presented on the bits & pieces table. Both were by Greg Burrows and Greg got up and described what they were.

Firstly was a fixture with a nearly completed Crank Arm for the steam regulator on the large 7-1/4 gauge locomotive that Greg is building. This had been produced using a CNC mill.



Secondly Greg had brought in from work a plastic vacuum formed panel, it was part of a fridge. The jig for holding the panel while holes were machined in it was also presented for inspection, It had been made from a special expensive board used for making such fixtures. The Jig had rubber seals and channels to direct vacuum used to hold the plastic panel in place while machining. There was also a couple of metal plates so that magnets could be used in the holding process also.



For Sale – 3.5” Jubilee Locomotive Parts

Castings, frame/buffer steel and drawings for "Jubilee" 2-6-4T locomotive 3 1/2" gauge.
Design by Martin Evans.
Castings by Reeves.
\$600.00.

Contact Ian Davis.
Phone 09 2389796
Mob. 0274839008
E-mail: ian.hazel.davis@xtra.co.nz

For Sale – Myford Lathe and attachments

Myford Lathe (ML7?), very good condition, plus many attachments (Including; Taper Turning Attachment, Indexing Head, Milling Accessories, 3-point Steady, Spare Cross-slide, Back Gears, 4-jaw chuck etc., Face Plate and accessories), from Walter Carrick workshop.

Offers over \$2,500.

Phone Greville Wills on 411 5092 for contact details.



For Sale – Partly built LNER V2 5”g Locomotive

As above, Mr Walter Carrick has donated several items to the club.

One of them is a partly completed LNER V2 design 5” gauge steam loco. The frames, wheels & motion work are mostly completed, as is the boiler.

The loco can be viewed at the clubrooms.

Would anyone who is interested in purchasing this loco with the intention of finishing it, please call Greville Wills on 411 5092.

Phantom in Whangarei

Here is a photo of Mike Orange with his latest creation operating at the recent Whangarei ME Club's open weekend in January. Mike altered the Phantom in the final stages of building for its new owner Lloyd Cross, to replicate an early NZR design: another similar Phantom-based engine is in the loop. The Club's station building is a rather attractive design and serves as the Clubhouse with a basement workshop/engine shed.



Visit to Tauranga Model Engineers

Grant Anderson writes:

Last week, Jan & I had a few days' holiday in Mount Maunganui, making the most of this great summer. I managed a visit to Tauranga Model Marine & Engineering Club to see what progress the Club has made towards the extension of their miniature railway – in particular the work on the significant viaduct which forms a major part of the extension. Readers will recall that in the Micrometer issue of April 2013 I provided some information on their Project with photos of progress, the poles for the viaduct having just been installed at that time.

I was pleased to see that they have advanced matters to a large extent, by almost completing the new smaller bridge and moving well ahead on construction of the main viaduct. I was somewhat astonished at the substantial size of the beams the design engineers have specified; 4 huge timber beams are used for the main beams to span between each pair of posts (which are about 5 metres apart). These beams sit on large cross bearers and they are braced to the posts, secured by large galvanised plates on the posts. The decking timber is substantial. As I understand it, the reserve the railway is on, is an old swamp and was reclaimed from the harbour many years ago, so this may have something to do with the design features.

The work of assembling this structure has been largely done by club members after the posts were fitted in place by contractors. The decking is about half completed, with galvanised fencing and track yet to be installed. The new small bridge appears to be almost complete (a short bit to join up with the upside abutment is still to be done) with fencing in place – slightly smaller section timbers have been used here. All in all, these structures appear capable of handling much larger loads than could ever be imposed by a miniature railway, but I guess the structural engineers know best!



Photo of one half of the Main Viaduct, with yours truly to give some scale to this enormous structure

Around The Clubs

April 2014

Reviewed by Tony Lawrence, after being absent for a few Months

Slipstream, Auckland Model Aero Club - March 2014.

Again, lots of good photos of models at Club night held in the ASME clubrooms, including presentation of MacDonald Trophy to Michael Taylor for outstanding service to the Club over many years.. Reports on flying days at Aka Aka, and Hoteo. Include is a 2 page reminder of, and key points of C.A.A. regulations, as well as MFNZ rules to be considered before operational flying at any venue.

Big Wheels News, The Steam Locomotive Society of Victoria. – Jan/Feb 2014

The President's report thanked those who have spent most of the recent working bees cleaning up an excessive volume of dead leaves caused by a long hot summer. He also reported the continuing success of the Gardening group, a partnership of club members with a local school in which a group of eight children help out three Club "Supervisors", on a Thursday morning to maintain the grounds on a weekly basis during term time. (*Maybe ASME could look into this idea?*) A pointed article regarding recent thefts of Club and Members property from the track. Also a very interesting article on milling practise (that I have copied for personal perusal).

The Squeaky Wheel, MOTAT Society, Auckland – February 2014

Great two page article and photos from the Launch Ceremony of the fully restored Grumman Avenger torpedo bomber (ex NZ 25170). Many skilled volunteers have undertaken work over a 20 year period to refurbish this plane to an immaculate display condition. The Avenger was the largest single engine craft of that period with the Wright Cyclone R-2600-20 twin bank radial engine turning out 1900 H.P. at take-off RPM. The Steam Section has farewelled Mike Austin, who for the last 13 years has has operated the boilers and steam engines in the old pump house. Mike is now training to operate the first of the new electric suburban trains, due to commence service in Auckland later this year.

Northern Views, Whangarei - March 2014

Front page picture of a steam enveloped Grant Anderson on his recently acquired "Phantom", double heading a train of happy passengers. Full page report about the design and features of the Franco – Crosti boiler. This device used the exhaust gases to pre-heat the boiler feed water. The first of these were built in 1932, and the last ceased service in 1957. One of these were modified by Oliver Bulleid in 1951 in Ireland to burn peat, but would only work efficiently when supplemented with large volumes of forced air supplied from a diesel driven fan in the tender! Finally a great report on the use of "ballast less" track overseas, a system becoming popular for high speed trains and in areas where low maintenance of the track bed is a priority. This system is basically a concrete roadbed, similar to our new Club Track design.

Model Torque, Hawkes Bay MES - February 2014

An interesting President's Report, discussing proposals to add 71/4 inch rail alongside their existing track in order to answer stability issues being raised by OSH, or WORKSAFE, or whatever their name is this week. It would appear that the membership is split on this issue. *Deja Vu ASME??* The Club has disbanded its Facebook page after adverse comments were posted.

Good photos and description of rebuilding a petrol powered 5 inch gauge 060 diesel shunter, as well as a trailer to transport it to the track.

Mailship, Scale Marine Modellers – March 2014.

Plenty of photos of the recent sail day at Panmure, and of projects at their Club night (again in the ASME clubrooms). Interesting story about the Third Rate sailing ship HMS Agamemnon, said to have been Lord Nelson's favourite ship. Full page article about the very windy Panmure Basin Festival Day.

Blast Pipe, Hutt Valley and Maidstone MES. – March 2014

Cover photo of MLS member Bill Krippner on his Ab610 loco at a post Canmod day run at McLean's Island. The recent Waitangi Day run was a great success. Extensive account of rebuilding the electrics on the Club's Ec Loco.

For Sale: 5 inch Gauge Locomotive "Belton Manor", built by Bob Walters in the 1980,s. Phone Ross on(04)567 2804. *(There is an A4 page of photos and facts that I will put on notice board next time I get to the Club)*

Photo Finish

Fun Run day at the track.....
(Photo by Greville Wills)

