



Number 593
August 2014

The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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REGISTERED NEW ZEALAND PUBLICATION

Fire Engine

One of NZ Fire Service's fleet, but no relation to the subject of the Les Moore Memorial Challenge! See page 10 for details.





Train Roster

Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard	Station / Guard
3-Aug-14	D Housley	T Leys	Voluntary	<u>G Wills</u>	J Olsen*	A Pritchard	G Quayle
10-Aug-14	S Meikle	D Moffat	Voluntary	<u>D Russell</u>	M Richardson	K Ryan*	A Shirley
17-Aug-14	M Moore	P Moy	Voluntary	<u>G Wills</u>	R Smith	R Stratton	R Street*
24-Aug-14	M Plant	R Reichardt	Voluntary	<u>T Lawrence</u>	T Taylor	P Tomkies*	D Addis
31-Aug-14	P Woodford	B Aickin	Voluntary	<u>T Robinson</u>	G Beazley	J Burnett*	J Clarke, A Bailey
7-Sep-14	I Ashley	D Booth	Voluntary	<u>G Anderson</u>	R Copeland*	R Crook	J Davies
14-Sep-14	B Cotton	P Dowdeswell	Voluntary	<u>D Russell</u>	G Dickey	G Farquhar	A Foster*
21-Sep-14	M Granger	M Hollis	Voluntary	<u>D Black</u>	G Healy	P Jones	J Lankow*
28-Sep-14	D Housley	T Leys	Voluntary	<u>G Wills</u>	D Leybourne	M Luxton*	H Martin

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.

Train Drivers please note: New trolleys - please make sure when you put the trainset away after Sunday running that you leave the brake switch (on the front of the first trolley) in the middle (Brakes On) position. This will help stop the vacuum pump battery from running flat!

President's Report

Work on the Track & Trolley project is progressing with one track in the dog box modified for the new riding trolleys and loco. Track modified so train set can get to and from stage 2 track.

The storage rack in the engine shed is being modified also.

We have had two resignations: Bruce Piggott & Trevor Taylor.

Two members have passed away: George Kemp & life member Stan Locke.

It would be nice to see more Bits & Pieces at general meeting, so bring along your items.

Timothy Robinson
President

25 July 2014

Club Calendar

Tuesday August 5 General Meeting. (7.30 p.m.)
Saturday August 9 Working Bee (9 a.m.)
Tuesday August 12 Committee Meeting (7.30 p.m.)

Track and Trolley Project

Dear Members,

If the trolley pictured below belongs to you, please remove it asap to enable progress.
If you know who it belonged to also let one of the T&T sub-committee know.
If no-one claims it, then it will be disposed of.

Regards
Greville Wills



Membership News

ASME welcomes new member **Allan Bailey**. Allan is an engineer by occupation, lives in Remuera and has built two steam engine kits.

It is with sadness that we farewell Senior Member **George Kemp** from Matamata who passed away on June 25th.

Also Life Member **Stan Locke** who passed away on July 5th .(An obituary written by Hugh Martin appears later in this Newsletter).

Bruce Piggott has tendered his resignation from ASME, citing a shortage of time to do all he wants to do. We know how he feels, and wish him well.

Obituary — Stan Locke

What follows was presented by Hugh Martin at Stan Locke's funeral on July 11 2014.

· Stanley –

A fitter and turner who transferred to New Zealand for his English company who manufactured nails and fittings of all types and size.

- Joined ASME 1976.
- Active Committee Member for many years.
- Elected to President 1984-86
- And again in 1989-90.
- Elected life member 1991.
- Librarian for a number of years.
- The ever-active Stan played a major role in the development of the Club up to 2011.
- He was a staunch member of the Tuesday Club.
- Regularly participated in club exhibitions, actively participated in other major exhibitions.
- Organised and participated in the Easter Show, the 20th and 50th year celebrations
- Consummate no-nonsense Chairman – a man who got things done.
- Bob Fosbury was Secretary.
- ASME played a large part in Stan's and Ethel's lives.
- He built a Maid of Kent locomotive which had its Boiler Hydraulic Test in April 2000 & was test run in 2010.
- He made numerous other machine devices for which he received awards, such as his 8 inch rotary table in 1982, 10 inch rolls and a horizontal milling machine, a Naval Cannon, and a series of small machines.
- One evening, he gave members an entertaining insight into his industry of making nails.

· Tuesday Club

- Tremendous camaraderie.
- Maintenance, repairs, fix anything, made railways, bridges, track fencing, assembled and posted newsletters.
- He rarely missed a meeting – he was THE BOSS. If you didn't perform to Stan's standards, you soon knew about it! A man who got things done.

· What of Stan himself?

Morning tea was always a highlight where you learnt so much more about your colleagues. I recall Stan talking of his wartime experiences:

- Sleeping on the underground,
- 82 consecutive nights of bombing,
- His time in the Navy.
- We learnt of the children and the grandchildren.
- The Disappearing Car. Ran down the steep drive — a write-off.
- The firewood hunt! Generous pruning! Fire wood for home from the track side.
- Stan always had a view on everything even if you didn't ask for it.

A pragmatic man -
Always willing to help.
A wonderful friend and colleague.

FAREWELL

We must say Farewell, and Thanks Stan for all he did for our hobby and we pass our condolences to his children: Glennis, David and Jenny and their families.

He now goes to join his close friends and colleagues from the ME fraternity who have gone before him:
Peter Swager, Jim Yearn, Alan Gasteen, Graeme Wilkinson.

We will miss little cheerful "Stan the Man."

A Piece of ASME History

Grant Anderson was reading a 50 year-old publication the other week (YARN Feb 1964 - magazine of the Railway Enthusiasts Society) when he came across the following article re ASME's early days:

"Model Engineers - The Auckland Society of Model and Experimental Engineers now have their multi-gauge layout and clubrooms in full operation at Lagoon Drive, Panmure (behind the shopping centre) and we can recommend a visit to this live steam show. They are running at weekends and quite a variety of locos can be seen with often more than one in use. The track is very well laid too. And the Society also has a model boating group nearby".

Attached is a photo Grant took back in May 1967 of the old ASME railway in Lagoon Drive (where the swimming pools are now) - Basil Wilson and his NZR 3.5g Ab class included.



Bits and Pieces July 8th 2014

by Grant Anderson, pictures by Graeme Murray.

Not too many items this month due to the programme being another auction of Wally Carrick's workshop items. However, the following were on show:



Graeme Murray acquired an inexpensive rapid prototyping (3D printer) machine at a recent machinery exhibition (approx \$750). He had some samples of items he had produced on the machine, including a new end for a Blunt umbrella which he also brought along. Graeme was involved a few years ago in the development of this umbrella and was able to give the meeting a good run down on the benefits of the product. The new top had taken about 30 minutes to produce on his 3D printer.





Graeme also had a small wooden box which he had made up for Jocelyn to organise her pens in – this included vacuum formed trays.

Ron Copeland had a crankcase from a 1922 Johnson 2.5hp outboard motor that had a blown water jacket with large crack. Ron wants to repair it and get the motor running again, but wasn't too sure how to go about it. Several suggestions were made from the floor including brazing up the broken pieces after a thorough pre-heat. The motor is a twin horizontally-opposed engine.



Pete Woodford displayed some items from the Loctite range – these were in "lipstick" type containers and come as threadlockers, anti scuff and pipe sealant.

Greg Burrows had a sample of Welsh coal in “pea” form sourced from a supplier in Timaru – this is being trialled at MLS to replace char which is no longer available. However trials to date with a standard bar grate have been unsuccessful, so Greg has made up a Rosebud type grate for Mike Orange’s Phantom in the hope the replacement coal may be more successful if supported on this type of grate. The holes were all heavily counterbored on the underside.



Greg also had along the water feed for the Mogul he is building – this sported a nicely engraved end with the name given to his workshop.

Classified Ads

For Sale

Castings , frame and buffer steel and drawings for Jubilee 2-6-4T locomotive 3.5" gauge.
Design: Martin Evans
Castings: Reeves.
\$600.00.

Contact: Ian Davis.
Ph. 09 2389796.
Mob. 027 4839008.

For Sale

5" gauge Raised Track Trolley
Originally built by Geth Creagh



I converted the hand brake to a Foot brake.
Runs well – not a lot of use lately.

To make an offer call Greville Wills 09 411 5092
Or email gandj@actrix.co.nz

LES MOORE MEMORIAL CHALLENGE

The Tauranga Model Marine and Engineering Club will be hosting the 2016 National Model Engineering Convention and Hobby Expo in January 2016, and have formally invited ASME to participate in the Les Moore Memorial Challenge, details of which are summarized below:

The Challenge:

To construct a steam-operated model fire engine, capable of travelling on a flat smooth surface under its own power for at least 20 metres, and using its own (steam-operated) water pump to extinguish five candles situated two metres away.

The model is to be based on plans published by LBSC in the December 1954 issue of Model Engineer and must be constructed from stock material purchased and/or acquired by ASME from 1st June 2014.

Only one entry per club is allowed.

Boiler details:

1. Maximum volume one litre.
2. Operating pressure no more than 60 psi
3. May be fired by meths, gas or coal.
4. Safety valve and pressure gauge to be incorporated in model.
5. Certificate to be supplied by club's boiler inspector that boiler is constructed in accordance with MEANZ rules and safety valve is operational at 65 psi.

Radio control

is optional, but is limited to transmitter, receiver, servo(s) and battery.

Your committee is seeking expressions of interest from any members wishing to organise a challenge and/or take part in this competition (which should be a lot of fun!) and have more details and copies of LBSC's article available for perusal.

Perhaps I should mention the Prize Money:

\$1000 for best model, \$500 for first runner-up and \$250 for second runner-up. The criteria for judging include public votes, quality of workmanship and complexity of model, the time taken to steam up from cold and travel the required 20 metres, and the time taken to extinguish the flames.

Challenge date is Saturday 9 January 2016, which is just 17 months away.

Around The Clubs

August 2014

Reviewed by Tony Lawrence.

Please note that as most of these Newsletters arrive by email nowadays, there are an ever diminishing number of them being filed in the folders at the clubrooms. However a good portion of these letters are available in the Public Domain at the respective Club websites.

Slipstream, Auckland Model Aero Club - July 2014.

Again, lots of good photos of models at Club night held in the ASME clubrooms. Rubber powered craft appear to have made a big comeback in recent times. A solid tribute to the late Trevor Martin, a long standing and highly respected member.

Reports on flying days at Karaka, Aka Aka, and Hoteo, as well as indoor flying at Balmoral.

Detailed report and photos of a flying "Powawing", that looks like a petrol powered boomerang!

Northern Views, Whangarei Model Engineering Club.- July 2014

Recent Monthly public running day was reported as having been just about the best on record, due to other public events near the track. The weekly Wednesday Club has been busy with building a new viewing platform and planting about 150 shrubs and trees kindly donated by a local Nursery business. An interesting article about a unique solution to a wartime coal shortage in Switzerland, where some steam locos were converted to electrically heated boilers. Apparently this was more efficient and quicker to get up and running than building new electric traction units. Also a report on Kiwirail bridge replacement trial. They have tried an innovative approach using "weathering steel" (that rusty effect that seems to be used in every architect's design recently). This high strength steel does not need painting and has been fabricated into four bridges at a local Whangarei shop, for installation at Pokeno, Papakura and Pukekohe. This material was first used by British Rail in the 1970s and has lasted well as long as salt laden air is not present. If successful in N.Z., we can look forward to reduced maintenance costs.

Mailship, Scale Marine Modellers Inc. – July 2014

Pictures of the new storage/transport boxes for the Public Boats. These boats have been fitted with new state of the art batteries and receivers. The new transmitters are in a separate box, and looks to be a well thought out and nicely constructed project.

Photos and description of the June club night. Some fine models were on display.

The Narrow Gauge, Adelaide Steam Railway Society Inc. - July- September 2014

Interesting report on the Monthly Charity Run. This is a concept where the Club partners with a local charity to raise funds, The Charity provides helpers to man the crowds and run food stalls, the Club runs the trains, and the proceeds are shared. This event was very well attended and a good day was had by all. Great photos of a nearly finished 7.25" "Black Five", and an incredibly detailed 1936 Centenary passenger carriage.

Eastern Bay of Plenty Model Engineers Inc., Whakatane – June 2014

New track extension project that was approved at recent A.G.M., is awaiting hearing of an objection to the proposal. Report and Photos of Members visit to the Pukemiro Line near Huntly, where the Peckett 0-6-0 is finally steaming after a 7 year long overhaul. Detailed schedule of chain and shackle sizes for safety chains to meet club Safety Regulations.

Southland Society of Model Engineers Inc., Invercargill – June 2014

A presentation to the Monthly club meeting from a Mr Bryan Campbell, who has a plan to return the two AB steam locos from Kingston to Invercargill to run on the Bluff Line. The "Kingston Flyer" operation is, sadly, in liquidation and is open to public tender for purchase.

The Club now has emergency access to the defibrillator kept in the badminton hall next door. Great photos of action at the club's R/C division as well as an incredible HO layout. Some nice model boats on display including a Mississippi paddle steamer.

Steamers and Dreamers, Manukau Live Steamers Inc., Auckland – June 2014

Detailed report on the use of imported Welsh coal in model locos. Research, and on site testing by Greg Burrows and others indicates that some grates and ash pans may need modifying to run on this fuel as an alternative to char, which is becoming difficult to purchase. Great photos and report from Bill Krippner on his recent visit to Steam Scene in Christchurch in March. Two Battery operated Locomotives for sale.

