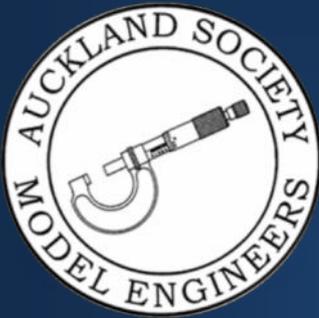


AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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OCTOBER 2012
NUMBER 573

THE MICROMETER

REGISTERED NEW ZEALAND PUBLICATION

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The space shuttle Endeavour and its carrier airplane (Boeing 747) are escorted by two jets as they pass in front of the Hollywood sign in Los Angeles

Train Roster

Date	Electric	Electric	Steam	Station	Station	Station	Extra Guard
29 th September	<u>T Robinson</u>	P Woodford	<u>D Russell</u>	J Lankow*	D Leybourne	M Luxton	
29 th September	I Ashley	<u>D Black</u>	R van Ryn	I Lyons*	G Healey	S Meikle	
30 th September	D Booth	P Dowdeswell	<u>G Anderson</u>	C Mitchell	D Moffat	G Murray*	
30 th September	M Plant	B Cotton	<u>G Wills</u>	J Olsen*	W Parker	G Quayle	
7 th October	P Eaton	L Farquhar	<u>G Bell</u>	R Reichardt	K Ryan*	A Shirley	J Davies
14 th October	M Granger	R Hannah	<u>M Orange</u>	M Richardson	R Smith*	R Stratton	
21 st October	J Harrison	P Haycock	<u>B Piggott</u>	R Street*	T Taylor	P Tomkies	
28 th October	M Hollis	D Housley	<u>D Russell</u>	S Weston	D Addis*	P Boyes	
4 th November	T Lawrence	P Moy	<u>G Anderson</u>	R Brown	J Burnett*	R Copeland	
11 th November	T Robinson	R van Ryn	<u>G Wills</u>	R Crook*	B Currie	P Cunningham	J Cunningham
18 th November	P Woodford	B Aickin	<u>G Bell</u>	G Dickey	G Farquhar	A Foster*	
25 th November	I Ashley	D Black	<u>M Orange</u>	D Hamp	G Healey	P Jones*	

Please Note: Two crews are rostered each day for the exhibition - with an overlap for lunch on September 29th & 30th.

Morning Crew: 11:00am through 2:00pm

Afternoon Crew: 1:00 through 4:00pm

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 Asterisk* Name :

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

Please Note, there is no expiry period or date on train ride tickets previously sold.

Please Note:

On your rostered day you should arrive by **12.30 pm** to get prepared for the days running. If for some reason you are unable to fill 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.

Please ensure you arrange the replacement member with one rostered to undertake the **same** role, to ensure we always have members with the appropriate training and experience on the day

Club Calendar

ASME Events	
2 nd October	General Meeting - Annual club auction, dust off your goodies and your cheque book!
9 th October	Committee Meeting.
13 th October	General Working Bee, prepare footings for fence on ski club straight.
16 th October	Workshop Night at the clubrooms.
6 th November	Annual General Meeting.
8 th December	Annual dinner and prize giving
General Events	
6 th & 7 th October	HBMES 50th Anniversary Reunion
20 th - 22 nd October	60 th Birthday Bash of the New Plymouth Model Engineers which is to be held on Labour Weekend
17 th February	2013 Panmure Basin Open Festival Day.

Presidents Report October 2012

This issue of Micrometer includes the formal notice for the Annual General Meeting of the Club on 6th November. As always, this is the most important Club meeting of the year, so come along and have your say on the agenda items if you wish or just listen to the debate, so you can then be fully informed on the subject matter when you vote. This year we have a need for replacement of President, Secretary and Treasurer as well as a shortfall of committee members which we have had to work with this year. Nomination papers will be included in the November Micrometer so you can fill in your name for a role to signify your acceptance to undertake that role. **So please give serious thought now** as to how you might be able to help **your** Club by filling one of these roles – without

dedicated members filling the management & committee positions the Club's progress will likely be hampered.

On the membership front, we welcome new member James Davies who is a programmer and has an interest in machinery and tooling – please make him feel welcome when he is at Club events.

The committee received a draft report from the structural engineers contracted to undertake a review of our existing bridges to ensure they have the required capacity and are fit for use. As we have become to realise, the issue is not the weight of locomotives, but the weight of trolleys loaded with adult passengers. Even more so, is the use of the bridges as pedestrian access ways where the loadings may easily exceed those of a fully laden trolley. Essentially, the draft report says the steel bridges are fine, but that there may be some issues with the wooden bridges which could lead to a need to limit pedestrian access to the trestle bridges – we have asked for some clarification on several matters (including the value of the steel tie bars on the joists) and hope to have the engineers final report soon.

The working bee on 8th September made some progress by fitting the WOF stickers to the ride trolleys, and some more general vegetation trimming around the track as well as cleaning up around the steaming bays. Thanks to Scott Meikle, John Lankow, Dave Russell and Bruce Piggott for coming along to assist me. The intention to fit two replacement tie bars on the trestle bridge was stymied by the receipt of the structural engineer's report which placed little value on these bars, hence until this is sorted out it is thought that there is no point in doing any replacements.

Notwithstanding the special auction of engineering items held at the August general meeting, due to popular demand from members, the annual auction will be the programme for our October general meeting. So please bring along your items for sale with name and any reserve noted. A commission of 20% to ASME will be deducted from all items sold. Again please hold back bringing along any items for "bits and pieces" to a later month, least they be auctioned off by mistake!

By the time you receive this issue of the Micrometer, the ASME 2012 Exhibition and Annual Judging will only be a matter of days away. This event is an important one in the club calendar, as it is also the forum for club judging. So please bring along your exhibits in good time ahead of the exhibition starting time of 11am on Saturday 29th September – the Clubrooms will be open from 10am that day for receipt of your display items and they can be collected after 4pm on Sunday 30th. We have a number of volunteers organised to watch over the exhibits while they are on show (see Roster List elsewhere in this issue - feel free to come along and help even if you are not named) and our in-house overnight security team of Dave and Tony will be here on Saturday night. Please do check the roster lists and make sure you are at the club on-time so everything can run smoothly. Murray Lane has volunteered to be chief judge and will appoint assistants on the day – please help out if you are asked. Remember that Scale Marine Modellers will also be displaying boats and ships in their part of the basement. A light

lunch will be available to those who are on duty as per the roster lists – if you are not on the list and want to be catered for, send me an email advising which days.

The next working bee will be on Saturday 13th October from 9am. The Tuesday Club have completed manufacturing the safety fence for the ski club straight and it has been galvanized – thanks lads. The project for the working bee will be to dig a number of small footings and concrete these to form the base for the new fence to be attached to in due course. So please guys, come along and give us a few hours of your time to get this important safety project another step towards completion.

The committee has approved the purchase of two replacement windows with aluminium joinery for the upper wall above the verandah roof – these are to be fitted with openers to assist ventilation in the summer months. The committee also approved the purchase of one tonne of char – although we don't use as much these days, the price increases since the last order (+100%) makes this the preferred choice.

Looking forward to seeing you at the ASME Exhibition on 29th & 30th September

Grant Anderson

(18th September 2012)

Note From The Editor's Desk

Thanks to Greg Burrows for his article published last month on building a CNC lathe— I'm sure we all found it very interesting. Any member can submit an article for publication in the Micrometer. Any article, regardless of size, is likely to be published. Remember, it's your magazine!

Classifieds

I am enquiring whether any members of your group would be prepared to display a working stationary engine/beam engine or similar at a Victorian Steam Punk Ball that we are holding early December.

Please contact James Corbett via corbettfam@xtra.co.nz

Notice of Annual General Meeting of the Auckland Society of Model Engineers Incorporated

The Committee advises that the Annual General Meeting will be held at the Club-rooms, Peterson Reserve, Panmure on Tuesday 6th November 2012 commencing at 7.30pm.

The Agenda items will be those set out in Rule 16.

The other business to be attended to (Clause 16.8) will be as follows:

1. Track & Trolley:

Following on from the decisions made by the Members at the last AGM and the presentation made to the July 2012 General Meeting, the Committee will make its recommendation to the Members as how best to facilitate the move to a ground level track with 7.25" gauge added.

It is contemplated that after discussion, resolutions will be put that will enable stage one of the project to be activated – this involves approving funds for the purchase of replacement 7.25g trolleys and adding the extra rail to the existing track, placed at ground level.

2. Change to the Rules:

Notice of Motion to amend club rule 16.10 has been received from Hugh Martin with a request that the following be included as an agenda item.

"I move that rule 16.10 be amended with the following words:-

16.10. Voting will be a show of hands or written ballot. *Members who are absent from the Meeting may also request for the Secretary to apply their Proxy and vote on their behalf, and those Proxy Votes shall be included as if the Member was present. A Member wishing to record such a Proxy Vote must give notice to the Secretary at least 48 hours before the Scheduled time of the Meeting, clearly showing their indication of vote "For" or "Against" each proposed resolution. Notice must be given by post or fax, and signed by the Member. Email notice will also be accepted provided its source can be verified as the known email address of the Member.*

A Member's Proxy Vote will be cancelled should that Member subsequently attend the Meeting. A Proxy Vote will be held valid in the event of any delay or Adjournment of the Meeting.

After the Meeting and all votes have been cast Proxy Votes will be open for inspection if requested.

Moved. H. E. Martin member. Seconded. C Ratcliffe member."

End of Notice.

Around the Clubs

October 2012

The Generator, Palmerston North - July and August 2012

Cover photo and story of a Great Eastern Y4 shunting loco model. Interesting discussion on various bridges at the June meeting. Article on the Hornsby Oil Tractor. Photos from the Squirrel Valley "G" gauge railway. Cover photo and story of Barry Parker's new 105" wing span Piper Cub, together with an article on Piper Cubs in general by Doug Chambers. Visit to Alan Spinks railway. The letters from England by Stan Compton are always a good read. As from next month the newsletter will be by email and on <http://pnmec.org.nz/newsletters.php>

Conrod, Dunedin - August and September 2012

The tether car section seems to be booming with help from the Engineering section cutting the gears. The Dunedin Heritage Festival to be held at Labour Weekend with OMES hoping to run about 6 steam locos. Useful charts for BA sizes and a chart for pitch circle chordal distance calculation. The boat section going well too. Visit to Jim Wood's workshop.

Wheels and Floats, Tauranga - August/September 2012

Great photos of trains running through floods on the track. Visit to Train Mountain. Grant from Pub Charity to help with the track extensions. Some good funnies.

Mailship Scale Model Marine - August 2012

Great visit to the Taupo Hobby Exhibition. A number of items for sale including some from Nobby's workshop

EBOP Society of Model Engineers - August 2012

Good write upon their Open Weekend held in July. Helped by good weather and a number of visiting locos and plenty of customers everyone had a good time. Large Denbeigh mill for sale.

Model Torque, Napier - August 2012

Their 50th Anniversary coming up on the 7th to 8th October 2012. A number of working bees held to prepare for the event. Model of Titanic sailed well, perhaps better than the original. Visit to Hamilton.

Wanganui's Mixed Traffic and Railscene - August-October 2012

Visit to the Tram Barn, work on the signal box, the old East Town Steam crane run on air and the Price loco worked on. Combined Club visit to Liffiton Castle for dinner. Successful shows by the Model Train section.

Blast Pipe Hutt Valley and Maidstone Model Engineering Societies - September 2012

The weather has not been too kind for running. Water reticulation under way with the help of a digger, saving a lot of hand work. Several photos of bits and pieces and progress on the Fairlie. Progress at Maidstone still held up by bad weather and work on the new playing fields.

Slipstream, Auckland Model Aero Club - September 2012

Sad to note the sad loss of long time member Brian Stannish. The Members Profile on him a really good read. An amazing collection of propellers.

Big Wheels, Victoria - July/August 2012

Club news, more thoughts on making model name plates. Straightening up a mill and some recipes for the ladies.

Northern News, Whangarei - September 2012

Mass production of the 10 new trollies seems to be going well. Photos of a new 71/4" 2-6-0 loco under construction.

Alan E

ASME Exhibition Roster

Saturday 29th & Sunday 30th September 2012

Saturday

Sunday

Duty List

10am

Grant Anderson

Exhibition Stand

11am to 2pm

1pm to 4pm

11am to 2pm

1pm to 4pm

Bruce Piggott

Ross Smith

Alan Pritchard

Ron Copeland

Richard Street

Paul Jones

Bruce Piggott

Mike Jack

Allan Foster

Allan Foster

Graham Dickey

Alan Gasteen

Murray Lane

Murray Lane

Alan Gasteen

Alan Gasteen

Breakdown

4pm to 5pm

Grant Anderson

Overnight Security

Dave Russell & Tony Lawrence

Train Running (Details on page 2)

11am to 2pm

1pm to 4pm

11am to 2pm

1pm to 4pm

Timothy Robinson

Ian Ashley

Don Booth

Martin Plant

Pete Woodford

David Black

Philip Dowdeswell

Brian Cotton

Dave Russell

Roger van Ryn

Grant Anderson

Greville Wills

John Lankow

Ian Lyons

Clyde Mitchell

John Olsen

Doug Leybourne

Graeme Healy

Don Moffat

Bill Parker

Mark Luxton

Scott Meikle

Graeme Murray

Graeme Quayle

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Bits & Pieces

4th September 2012

Hosted by Ray Brown

Reported by Dave Russell

The first item was a large music box that has been sent to Murray Lanes to fix and restore (Because he is good at fixing things). The music box was well packed into a small wooden crate for transport. Murray is not sure if it is English or French.



Secondly we had another old piece that needed a bit of TLC, this time in the form of a theodolite in many pieces. This belonged to Alan Gasteen who had "found it in a box in his workshop". Alan asked if anyone had photograph's of what it should look like when assembled as he could not find anything at the library. , The best advise was to go to Google and type in theodolite and then select images on the l/h side of the results page.

Bob Aiken brought in a small blower that he is making to provide some draft when steaming his locomotive, Bob has an idea to use the same blower as a centrifugal vacuum cleaner to empty ash from the smoke box after running.



One of our newer members Bob McLaren has built a brace piece to stabilize and add support to his mill drill when fly cutting gears.



A rather large set of cylinder castings were brought in by Greg Burrows. Greg had bought the castings from Australia and was quite disappointed with the steam port cores, he will have to mill them out completely and put an insert piece in before machining the valve ports.

Greg also brought in some large copper pipes with brass fittings on the ends, he explained that these were for the full size De Havilland Mosquito aircraft being restored at Ardmore and due to be flying late September. The pipes are just two of many that carry fluids for cooling from the engines to the radiators. The brass ends are silver soldered onto the pipe and the pipes are joined together with flexible pipe and clamps. This aircraft will be the only flying example in existence.



Mike Jack brought along some parts he has had made by rapid prototyping from his CAD file. The parts will be used as a pattern for lost wax castings. These will form the exhaust ports from the cylinders to the blast pipe on Mike's fine scale 5" gauge BR class 3, 2-6-2 tank loco.



Graeme Quayle has completed a pair of steam water pumps that were given to him to fix up and complete. Graeme explained how finishing something that someone else had started often involved repairing and re-doing a lot of the work. The pumps were finished to Graeme's usual high standard and despite some problems with the piston shuttle valves both run well.

The next item was deemed to be older than any of the members in attendance. It was an electric motor brought in by Brian Cotton, it was found in his dad's workshop and was in very good order for its age.



Last but not least were a couple of items from Trevor Taylor, an engine carrying stand for his Beejax locomotive also a screwdriver that had been modified so that it could be used to adjust safety valves and lastly a home made air filter unit to replace the plastic one that had broken off his compressor.

