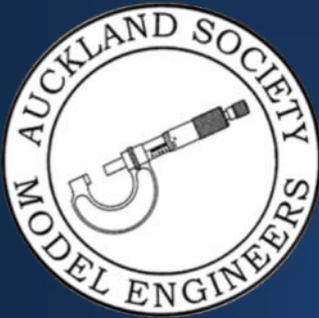


AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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THE MICROMETER

REGISTERED NEW ZEALAND PUBLICATION

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Alan Emerson with one of his creations, "HotPot".

Train Roster

Date	Electric	Electric	Steam	Station	Station	Station	Extra Guard
1 st July	P Eaton	L Farquhar	<u>D Russell</u>	R Copeland	P Jones*	G Kemp	
8 th July	M Granger	R Hannah	<u>B Piggott</u>	J Lankow	D Leybourne	M Luxton*	
15 th July	J Harrison	P Haycock	<u>G Anderson</u>	I Lyons*	H Martin	S Meikle	
22 nd July	M Hollis	D Housley	<u>G Bell</u>	C Mitchell	D Moffatt	G Murray*	
29 th July	P Moy	M Plant	<u>T Lawrence</u>	J Olsen	W Parker*	G Quayle	
5 th August	<u>T Robinson</u>	B van Ryn	R van Ryn	R Reichardt	M Richardson	K Ryan*	A Shirley
12 th August	P Woodford	I Ashley	<u>D Russell</u>	R Smith	R Stratton	R Street*	
19 th August	D Black	D Booth	<u>G Wills</u>	T Taylor*	P Tomkies	S Weston	
26 th August	B Cotton	P Eaton	<u>G Wills</u>	D Addis*	R Brown	P Boyes	R Aickin

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 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	
3 rd July	General Meeting - An update on the Track & Trolley 2012 project will be given, followed by a DVD if time permits.
10 th July	Committee Meeting
14 th July	General working bee at the club - 9am onwards
17 th July	Workshop night at Murray Lane's - come along and see the items to be auctioned on 7 th Aug.
7 th August	General Meeting - Special Auction of Engineering items.
29 th - 30 th September	Annual exhibition and judging
8 th December	Annual dinner and prize giving
General Events	
7 th & 8 th July	Eastern Bay of Plenty Model Engineers open weekend at Whakatane
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

Presidents Report

July 2012

The MEANZ audit took place at Queens Birthday weekend and we were given a 100% pass by the two auditors, Roger Reynolds from the Whangarei ME Club and Dave Giles from Manukau Live Steamers. The Competent Person certificate (Form 2A) was completed by Dave Giles whom the committee had formally appointed last month as ASME's competent person for the purposes of the Amusement Devices Amendment Regulations 2011. ASME is about to send in its application to MEANZ so it can be lodged (with the next batch of ME Club applications) with the Department of Labour for registration. I

am very grateful to Timothy Robinson, Dave Russell & Pete Woodford who turned out to assist me with some last minute maintenance needed to get things in shape at the track and assure us of a successful result.

While this is a big step in the right direction to enable the ASME miniature railway to again become a lawful undertaking, there is still much to do on an on-going basis to ensure the railway and the members operating it, remain "up to scratch". In order to get this "pass", we have had to institute a number of forms and processes to meet the MEANZ/DOL requirements. As mentioned previously, this includes the Daily Running Check List form implemented from 8 April; and more recently a Health - Safety and Hazards document, copies of which are now hanging on the wall by the exit door cupboard in the clubrooms and also on the station trolley – please familiarise yourself with this next time you are at the Club. Associated with this are forms to be completed for any hazards, incidents and accidents. You will find these on clipboards by the works and daily running (red) books in the clubrooms. While I trust we will not have a need to complete an accident form anytime soon, notifying of hazards and incidents will enable action to be taken to make the ASME environment safer for all. Unavoidably this extends to all facets of our clubs activities, not just the miniature railway, so please make use of the forms. While some may see this as an unwelcome intrusion into our hobby, it is a necessary "evil" if we are to continue to give the rides to the public as ASME has (almost) since its inception.

Another two working bees were held again this month at Tony Lawrence's yard in New Lynn making "cribwall" parts – I understand this now completes the manufacture of the components needed to maintain the smokebox curve, with spares for some other areas. These working bees were attended by Ross Smith (2), Clyde Mitchell (2), Mark Luxton (2), Tony Lawrence (2), Paul Jones, Ron Copeland and Dave Russell. A special thanks to Tony for the use of his yard and machinery, etc. over the time it has taken to complete these parts. Good progress was also made at the track on 9th June with the general working bee – some more work on rust treatment & repainting of the 3-way bridge and a grand clean up of leaves and vegetation around the railway – thanks to Trevor Taylor, Bruce Piggott, Pete Woodford, Murray Hollis and John Lankow who made a big difference by coming along to the working bee.

We are planning another general working bee at the track on July 14th from 9am, so please mark this date in your calendar now and come along ready to work on your railway. Some further trimming of vegetation, painting & preparation of bridges and track alignment are likely to be the tasks for the day.

While talking about matters at the track, thanks to Ross Smith who organized new metal chains for the station after the plastic variety were identified as a potential hazard to the kids who often swing on them.

The members "fun run" held, on the afternoon of 16th June at the Club, saw a good turnout of steamers. It was great to see three steamers get issued boiler tickets, in-

cluding the new rail motor of Bob Aickin and several others undergo a WOF check from Alan Gasteen – thanks Alan. Bob must surely now hold the record for the length of time from start of construction to issuance of a boiler ticket, some 39 years – all I can say is that it shows “persistence pays off in the end”! Another occasion of note was that Alan Emerson was able to witness three of his creations in steam and running at the fun run (Smokey, Eva & HotPot). The family of the late Jim Jordan came along and watched Bruce Piggott put Jim’s 0-6-0 Polly tender loco through its paces; this loco is for sale, see Bruce or Murray Lane.

The committee held a special meeting on 29th May to consider the reports from some of the sub-committees working on key aspects of the Track & Trolley Project 2012 – this carried over into the June committee meeting. It was decided that I should update club members on progress so far and I will seek to do this at the July General Meeting, after which if time permits a short video of engineering interest will be shown. Thanks to the Consents, Civil Engineering and Rail sub-committee who have put a considerable amount of time & effort to study and advise their recommendations to the committee.

We still require a member to undertake the role of organiser/coordinator for the ASME 2012 Exhibition and Annual Judging to be held over the weekend of September 29th & 30th. Please ask yourself “will I do this job for my Club?”. It’s not an onerous job, especially being a one-off, so I look forward to your call.

It would assist our librarians if a few members could agree to go on a roster to assist at general meetings with issuing and receiving books back into the library – please contact Graeme Murray if you can help Alan and him out. It may be that you would only be on duty every second or third month if we could get 2 or 3 volunteers.

Thanks to Trevor Taylor who has agreed to take on the role as our Club representative on the Waipuna Basin Committee. And a special thank-you to Alan Pritchard who recently retired from this role for all the meetings he has attended on our behalf over many years.

The August general meeting programme will be an special auction of engineering items, exclusively from the estates of three recently deceased members that Murray Lane is handling. The items will be on display at the July workshop night to be held on 17th at Murray’s home and a partial list is included in this issue. We are inviting MLS members along to this event as well. As there will be a lot to get through, can you please withhold your “Bits & Pieces” items until a later meeting.

It’s certainly been a bit cold in the workshop of late – we really are into winter! Hope you are progressing your modeling; remember only 3 months now to the ASME Exhibition.

Grant Anderson

(19 June 2012)

Around the Clubs

July 2012

E.B.O.S Society of Model Engineers, Whakatane, June 2012

Good track running and visits to Thames, Cambridge and Havelock North. Open Weekend and Hotpot run to be held on the 7th and 8th July at River Edge Park

Model Torque, Hawke`s Bay, May 2012

50th Anniversary and Open Weekend to be held on the 6th & 7th Oct. Track running going well. A group of people have bought DA 1471 and taken her to Steam Inc for overhaul. Sparks from a restored loco may have started a fire. Visit to Queenstown and a ride on the Kingston Flyer.

Conrod, Otago, May 2012

Article on batteries, a good read, discussing the reserve capacity of deep cycle versus other types. Celebrations to be held over Labour Weekend to mark the launching of TSS Earnslaw 100 years ago. Good workshop and model photos.

Northern Views, Whangarei, May and June 2012

Photos of one of the Titanic engines and of a stripped down New South Wales C38 loco. Write up on British Rail Patronage increase despite the delays caused by thieves stealing the copper wire and putting the signals out of action. The wet weather at the convention resulted in the Club being presented with the Gumboot Trophy. Photos and story of the arrival of the Great White Fleet in Auckland. Several good photos from around the track.

Wheels and Floats, Tauranga, May-June 2012

Visit to the Gold Coast and a ride on the Monorail, amongst other things, some very good funnies, particularly liked the Dingo one, precious.

Mailship, April, 2012

Cover photo of an incredible fleet of model ships made from matchsticks. Article on North Cape, a model boat and a kitset for sale.

Expansion Link, Hamilton, May 2012

An interesting proposal to buy an Automatic External Defibrillator which can be used by anyone in the case of a suspected heart attack. Vandals attack the signal box. Visit to MLS and a couple train stories.

Slipstream, Auckland Model Aero Club

Article on the Karaka Vintage Day. Photos of the action at Pateatonga and Ngatea.

Wanganui`s Mixed Traffic and Railscene, May-July 2012

All manner of happenings by the various groups. Visits to member`s homes to see model layouts, rebuilding the signal box, the Steam Fair at Maewa, stories and a lot of good photos.

Blowdown, Kapiti, Winter 2012

Good photos of the Twilight Run. More progress on the Dart.

Alan E

Bits & Pieces

4th June 2012

Hosted by Hugh Martin
Reported by Roger van Ryn

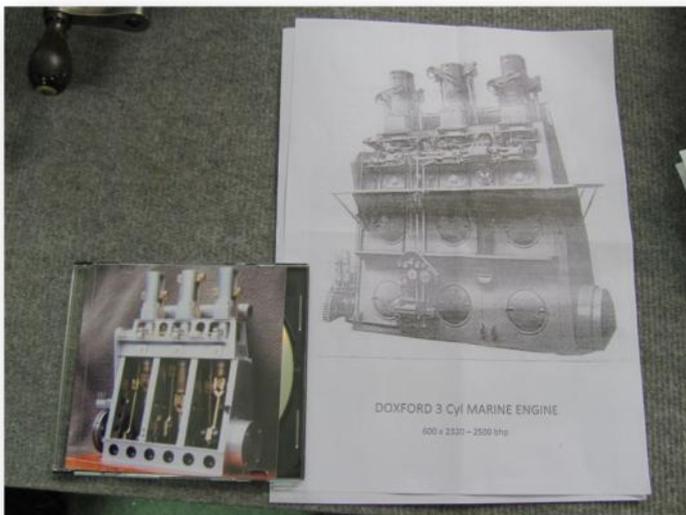
Mark Luxton brought in part of his "Die Filer" to get a hand with sorting the mechanics of the tension head. I restored an English filing machine and have found it useful for carving small metal bits like the detent on the oiler ratchet on my loco. Hope someone helped Mark?



Bob McLaren came all the way from Wellsford to show us his first go at making parts for a Wall clock. The Winding drum and ratchet pawl look very good! Bobs got the words from "An 8 day wall clock" by John Wilding, and made his own dividing plate to do the right number of teeth.

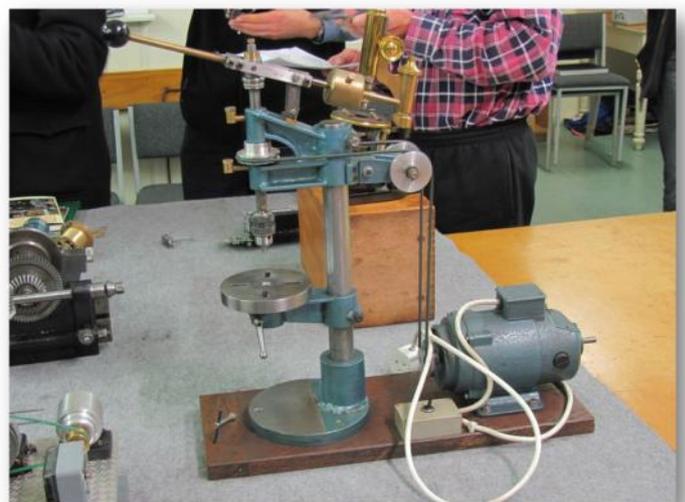
A diving head with some gears went to a new home. Mine.

Hugh Martins lovely stationary plant complete with Yarrow type boiler, generator, steam pump, and Hugh's first model mill engine, make a very pleasing display. Should be fun to get steam up.



Hugh had some papers showing a Doxford engine, and Hugh mentioned this might be his new project. Check out Doxfords on www.youtube.com and you might find a driven model of the very ones Hugh used to work on, in the good ship Dominion Monarch. There's a running full size one in a power station in Copenhagen. They look like a 6 cylinder engine (with 12 "bangs") but one in the middle is a compressor (?)

Murray Lane displayed a very nice "sensitive drill" made from castings by Terry Boyd. Also gone to a new home.... not mine.





Dave Russell brought in his tool post he made to replace the (very odd, standard,) Myford one. With a bit of a "mod" it also accommodates larger tool bits.

A really fine restoration project by Murray Lane of a very fine Leitz brass microscope. Originally a heap of bits in a cardboard box, Murray figured it all out and has restored it to its former glory, with all the complex bits that open and shut.



Graeme Murray brought in a dismembered video cassette camera, to show the huge amount of work that goes into a piece of technology that essentially is a "throw away" item in our (technologically) fast moving world.

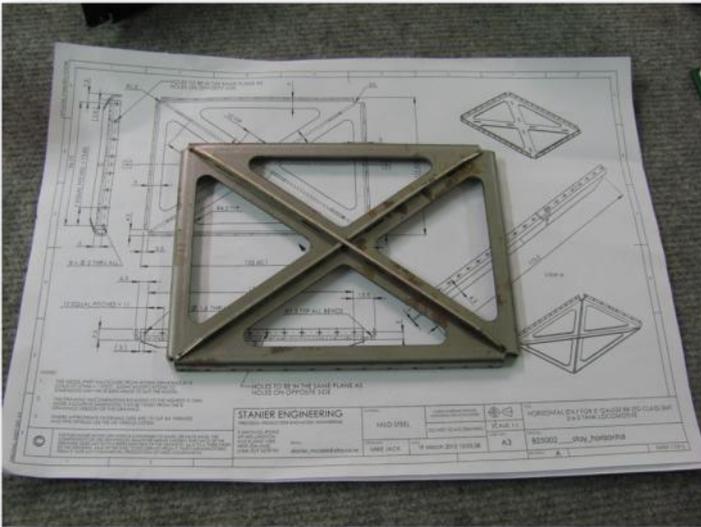
Murray Lane also brought in some more intricate parts for the ornamental turning lathe which he is restoring for Motat.



Some interesting shiny bits turned out to be parts off an old nuclear submarine ship, (of course!), which are made from "memory metal". Once assembled on the heat circulation pipes of the reactor core, they are heated to 80c and they shrink on to the pipes, making a seal, never to be removed again. When used on copper home plumbing for a similar purpose, they crush the pipes.

Tony Laurence has been very successfully "having a go" at some gear cutting for his lathe. Carved from some tough metal from an old ships propeller shaft, they look the part and should do the job!





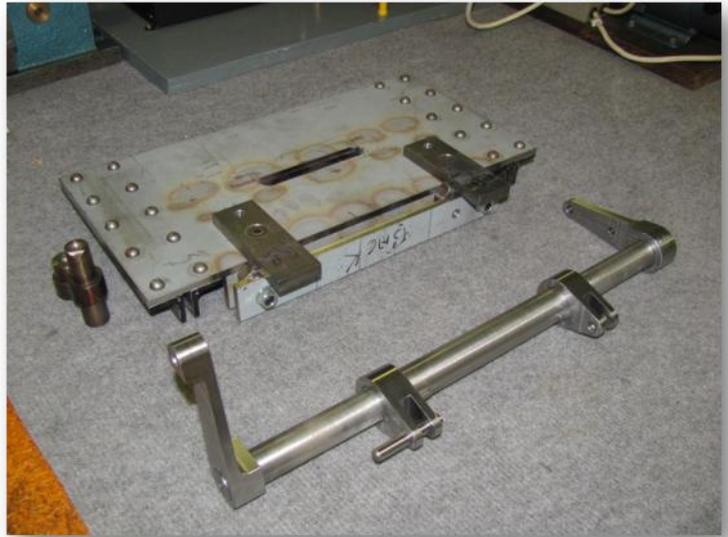
Some more laser cut parts for Mike Jacks collaborative British Std Class 3 2-6-2 tank loco project, this time the horizontal stays. Mike drew them in CAD and had them laser (or plasma?) cut.

Mike also showed a very complex milling project, this time a lifting arm for a Brittonia in 5inch gauge. Half-a-dozen different axis to get at all the different nooks and crannies! 8 more to go?



Graeme Quayle's vintage "Stuart 7" is complete, (looking very good in the de-rigour blue and red livery) driving the Stuart centrifugal pump. An interesting variant on the current "Stuart 7".

The secret (to me anyway!) is out, Greg Burrows building a 7 ¼" Bunda-Berg Fowler. They are a robust looking engine which appear in the Aussie M.E. magazine quite frequently. Greg brought in the fire door to show the "cold riveting" he has accomplished on the door fittings. With an 8-ton hydraulic press, Greg has no problems persuading the rivets to assume the right shape. Greg says to check the "Machinery Handbook" for a description of how it is done. Greg also displayed the Valve lifting shaft.



Trevor Taylor demonstrated (with Hugh's help) the taper gauges he made to check the chimney on his "Kathleen". Trevor says it's been 17 years(!?) since the damage was done, to restore the loco... makes me think how little progress I've made on my Simplex in the same (seems short!) time.

The evenings talk was by Clyde Mitchell who is a new (-ish) member and had a lot to do with "Broadcast Power" as Mr. Tesla would have called it. A very interesting presentation, showing the development of illuminated road markers.

Thanks;

Rog

Fun Run Day Results & Pictures

16th June 2012

Results for the competition of the day - stopping on a line (no braking):

Name	Loco Name	Run No	Distance (mm)	Placing
Bruce Piggott	Poly	1	15	1 st
Bob Aickin	Hotpot	1	-50	2 nd
Dave Russell	Dover	1	-130	3 rd
Grant Anderson	Hotpot	2	-140	4 th
Bob Aickin	Hotpot	2	160	5 th
Grant Anderson	Hotpot	1	170	6 th
Dave Russell	Dover	2	230	7 th
Hugh Martin	Great Western	2	450	8 th
Dave Russell	Dover	3	600	9 th
Hugh Martin	Great Western	3	640	10 th
Hugh Martin	Great Western	1	860	11 th



Roger was happy to take home a new boiler certificate for "Eva"



Bob Aickin takes HotPot for a spin.



Bruce with the Jim Jordan built "Polly"



Hugh heads away with Alan G as passenger.



Dave Russell in charge of Maid of Kent 689 chats with a bystander



Alan Emerson with one of his creations, "HotPot".



Some of Hugh's family (Andrea & Poppy) have a ride behind Greville's Smokey



Alan E with three of his creations (Eva, Smokey & HotPot)



Hugh steams up ready for the afternoon

Classifieds

For Sale

Notice of Special Auction to be held on the 7th of August monthly meeting for the estates of the late Jim Jordan, Jim Yearn and Terry Boyd.

Contents of the auction will include: vee blocks, lathe tool posts, vices, tailstock capstan head, tapping head, radius turning attachments, slotting head for lathe, dividing heads, new and used milling cutters, new and used files, angle plate, tilting plate, surface gauges, taps and dies, tap wrenches, rotary tables, Allen keys, reamers, DTI's, DTI stand, micrometers, boring heads, surface plate, electrical instruments, pressure gauges, reamers, rulers, air line fittings, clamps, nuts and bolts- metric and BA, soldering irons, rotating locomotive stand plus many other items. Some items will have reserves on them.

Each estate will be auctioned and paid for separately to allow the organizers to keep the estates isolated from each other.

The following machines from the estates are for sale and are not included in the auction..



6" Lantain lathe on stand. \$2200 contact Tim Robertson

RF20 milling machine on a stand with cupboard \$900 contact Murray Lane



Old Centac horizontal
milling machine \$300
ditto



A small substantial
home lathe 56mm CH,
with fittings and 1/2 HP
motor. As new \$500
ditto



Bramley 12 inch power
hacksaw. \$160 ditto



Dore-Westbury milling machine on a stand with cupboard. \$800 contact Murray Lane

All machines are in good condition

Notes From the Editor's Desk

Fire Extinguishers

New fire extinguishers have now been installed at the Club. They are installed near the alarm bases upstairs and in the basement of the Clubrooms, as well as in the engine shed. Please note the location and read the signage when you are next at the club, so that in the event that they need to be used, members know what to do. We also ask that if any are used at anytime, that the member using it has a duty to advise a committee member promptly so that the extinguisher can be serviced.

Train Drivers

A reminder that all drivers on the ASME track need to remain vigilant while driving on the track - remember, "SAFETY IS NO ACCIDENT"!

Be Identified with Club Apparel

ASME dress shirts available by order. Club embroidered 60mm dia. sew on badges. Ideal for your driving overalls at \$10.00
Contact Hugh Martin; Phone (09) 536 4544

Hayden Purdy
Editor