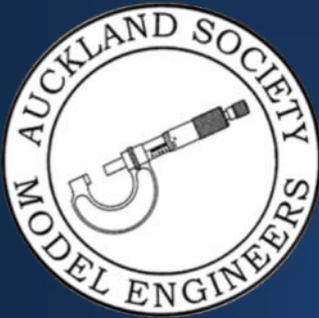


AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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AUGUST 2012
NUMBER 571

THE MICROMETER

REGISTERED NEW ZEALAND PUBLICATION

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KiwiRail ploughing a route through to
Christchurch from Arthurs Pass (07/06/2012)

Train Roster

Date	Electric	Electric	Steam	Station	Station	Station	Extra Guard
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>B Piggott</u>		P Tomkies	S Weston	
26 th August	B Cotton	P Eaton	<u>G Wills</u>	D Addis*	R Brown	P Boyes	R Aickin
2 nd September	L Farquhar	M Granger	<u>G Anderson</u>	J Burnett	R Copeland	R Crook*	
9 th September	R Hannah	J Harrison	<u>G Bell</u>	B Currie	G Dickey*	P Cunningham	J Cunningham
16 th September	P Haycock	M Hollis	<u>M Orange</u>	G Farquhar	A Foster*	D Hamp	
23 th September	D Housley	T Lawrence	<u>B Piggott</u>	G Healey	P Jones*	G Kemp	
29 th September AM	<u>T Robinson</u>	P Woodford	<u>D Russell</u>	J Lankow*	D Leybourne	M Luxton	
29 th September PM	I Ashley	<u>D Black</u>	R van Ryn	I Lyons*	H Martin	S Meikle	
30 th September AM	D Booth	P Dowdeswell	<u>G Anderson</u>	C Mitchell	D Moffatt	G Murray*	
30 th September PM	M Plant	B Cotton	<u>G Wills</u>	J Olsen*	W Parker	G Quayle	

Please Note: Two crews are rostered each day for the exhibition - with an overlap for lunch.

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 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

Club Calendar

ASME Events	
7 th August	General Meeting - Special Auction of Engineering items.
11 th August	Members Fun Run Day
14 th August	Committee Meeting
21 st August	Workshop night at the Clubrooms - come along and discuss your current project
4 th September	General Meeting, Peter Woodford will present one of his workshop practice DVD's
8 th September	General Working Bee at the club—9am onwards
11 th September	Committee meeting
18 th September	Workshop night, visit to Ron Copeland's workshop's
29 th - 30 th September	Annual exhibition and judging
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

Presidents Report

August 2012

Our application for the ASME miniature railway to be registered as an amusement device is now with MEANZ and they will be lodging it with the Department of Labour soon. Once registration is completed with DOL, we will be able to apply to the Auckland Council for a permit to operate.

The general working bee at the track on July 14th was attended by eight members: John Lankow, Trevor Taylor, Bruce Piggott, Timothy Robinson, Tony Lawrence, Dave Russell, Bob Aickin and myself. Besides trimming of vegetation, some more painting of steel work on bridges was achieved and the alignment of the inside curve by the loading bay was moved away from some of the bridge beams to improve safety of riders. The next working bee will be on 8 September, so that gives you all a couple months break before the next one and maybe will encourage a better turnout. Thanks also to Mike Banks who recently sprayed around 40 litres of Wet & Forget around our track structures and buildings to hold moss and other similar growth at bay.

We recently made a submission on the Auckland Council's plans for changes to their community leases policy. They have advised that some new guidelines have now been adopted which will have effect from any new or renewed lease. From what we can determine, there is nothing of great moment for ASME in these changes; however it would appear that local community boards will have more discretion regarding the terms and conditions of future leases.

The committee considered and accepted, at its last meeting, an invitation to become an affiliate with the MOTAT Society. This affiliation gives some preferred rates for our members wishing to join the Society.

ASME members next "fun run" will be held on the afternoon of 11th August from 1pm so come along and join in for some fun without the pressure of the public at the track – with or without your loco.

It was pleasing to be able to give an update on the key aspects of the Track & Trolley Projects 2012 at the last general meeting – this ensures all members who attended were well informed of progress since the AGM. Several of the committee have since been able to make it down to see the pouring of a further section of track base at the Cambridge club's new track and observe first-hand how the kerb-laying type operation works – this will be invaluable in deciding whether or not it is appropriate for ASME. The committee has now appointed a firm of structural engineers to undertake some load calculations of various structures around our railway and we will soon be applying to the Auckland Council in its role as our lessor for preliminary approval for the changes.

As yet, I have not heard from anyone prepared to undertake the role of organiser/co-

ordinator for the ASME 2012 Exhibition and Annual Judging to be held over the weekend of September 29th & 30th. It would be much better for a member to this job for the Club, rather than just leave it to happen on the day, as it were. In any event, I trust members are preparing their exhibits for the show and entries for the annual judging.

Just a reminder again that the August general meeting programme will be a special auction of engineering items, exclusively from the estates of three recently deceased members that Murray Lane is handling. MLS members have been invited along to this event as well, so it could be a bit tight for room – please be a bit flexible and accommodating. Our “honorary” auctioneer Mike J has agreed to be the lead man again – thanks to Graham Bell for organizing that. Murray opened his workshop on 17th July and this allowed an opportunity to see what was on offer and was appreciated by those who attended.

Thanks to John Lankow, Mark Richardson and Mark Luxton for volunteering to assist our librarians on a roster at general meetings with issuing and receiving books back into the library – it will make life much easier for Graeme and Alan as the library has been quite busy over the last few months – maybe at this time of the year members are finding it more comfortable to read books in a warm home than work on projects in a cold workshop!

On the membership front, it was sad to have to say goodbye to founder and life member, Guy Hocking who passed away at the relatively young age of 67 on 19 July. Although not active in club affairs recently, Guy was a great supporter for many years, having joined the club with his dad (Jack) at the early age of fifteen. Several other past members of ASME or of the Boat club have also died recently and Murray Lane has prepared a summary which appears below.

Jan & I managed a visit to the Eastern Bay of Plenty Model Engineers Club at Whakatane over the first weekend of the month and gave HotPot a run at the night run on Saturday and most the day on Sunday. The weather was lovely, clear days and the locals supported the event well, especially the night run. Members from several other clubs attended, so there was a selection of different trains for the public to ride. The Club members looked after us very well and it was a very enjoyable visit. The layout is extremely tidy and a further variation on ground level points was noted. They have a very good signal system for the points operated by a coal shovel (or similar metallic) item waved over a proximity switch housed in a vandal proof pipe.

Hope you are finding some time to work on your exhibit for the ASME Exhibition – just 2 months to go now!

Grant Anderson

(24th July 2012)

Recent Passings

Longer term members may be interested in the following information:

Merv North died on the 6th of May 2012, at the age of 88 after a long illness. Merv was a member from 1986-2002, a very likable man who attended club functions on a regular basis.

David Hoyer died on the 3rd of July 2012 - he was a very active member during 1972-88 and was on the committee for several years, including Co-editor in 1973 and Secretary 1976-77.

Guy Hocking died on the 19th of July 2012, at the age of 67 after a long illness. He was a founding member of the club as a 15 year old. Guy was elected as a life member in 1999, and was a committee member from 1993 to 2001.

Two well known personalities from the Scale Marine Modelers also passed on during this period.

Nobby Clark passed away on the 31st of May 2012 at the age of 91. Nobby made many boats and was the SMM librarian for many years.

Roy Lake died suddenly after a long illness on the 6th of July 2012 at the age of 84. Roy served his time as a boat builder and made many model boats before branching out into scale model cars all made in wood without any machinery. He gave a talk to the club some years ago and brought along his first car, a Bugatti. Roy was also a champion bike rider and won many races in Europe and NZ.

Murray Lane

(23rd July 2012)

Around the Clubs

August 2012

The Generator, Palmerston North - May and June 2012

Cover photo and the story of bush lokeys, a good read. Stan Compton`s Letter From England always a good read. Also cover photo and article about an Atkinson Cycle engine circa 1886. A curious design which manages to get all 4 strokes in 1 stroke of the piston, must have been reasonably successful as over 1000 were built. Good articles too on making wooden propellers for aeroplanes, canal boats and open weekends at Thames and Keirunga Park.

SCMES, Whistle and Anchor - June 2012

Sad to note the number of Members lost during the last year, all sadly missed. A lot of good photos of boats on the pond and a model train show at Ashburton.

Blast Pipe, Hutt Valley and Maidstone - June and July 2012

Hutt Valley`s new raised track almost complete, looking good. The Maidstone track still held up by bad weather and Council work on the playing fields. Good photos from their tracks and of other tracks visited including the new Rotorua/Cambridge one. A couple of models for sale.

Canterbury Tales, C.S.M.E - February - June 2012

Cover photo of the new Club premises at Halswell Domain. 71/4" Sweet Pea chassis for sale. A glass steam engine which can be viewed on YouTube. Plenty of photos of activity around the track and the pond.

Wheels and Floats, Tauranga - June / July 2012.

Photos of progress on the new track extensions. Seems KiwiRail are to try recycled plastic sleepers. Visit to Thames and some thoughts on how best to drop a fire when you need to. Possible use of trains in Canada to transport oil as an alternative to pipelines. Excerpts from Railway Career

The Keirunga Park Platform, Havelock North - Winter 2012

Write up on the 20th Birthday celebrations with photos of the 1st and 20th cakes. A DVD of the event is available though a price is not mentioned. A trip on the Japanese trains.

Mailship - June 2012

Write up on the Hutchwilco Boat show a great success and a boost to the Club coffers. Sad to note the passing of Nobby Clark a long time member.

E.B.O.P. Whakatane - July 2012

Good track running, repairs to some of the trollies, seems it pays to change all the bearings if one is found to be faulty. A new link span built to handle bigger locos with only two axles.

Conrod, Dunedin - June 2012

New deep cycle batteries fitted to the Club loco, an article on charging batteries. Some items and some firewood for sale.

Slipstream, Auckland Model Aero Club - June and July 2012

A lot of good flying photos and articles for the aero enthusiasts.

Southern Rails and Sails, Invercargill - June / July 2012

Good cover photo of ancient and modern trains, how to make a boring bar and progress on a new Club loco.

Melsa Newsletter - June 2012.

A really good read covering their 35 year`s existence. Covers all their involvement in model and full size steam and a whole lot of activity associated with them. Plus drawings for a Westinghouse triple valve and some funnies.

Bits & Pieces

3th July 2012

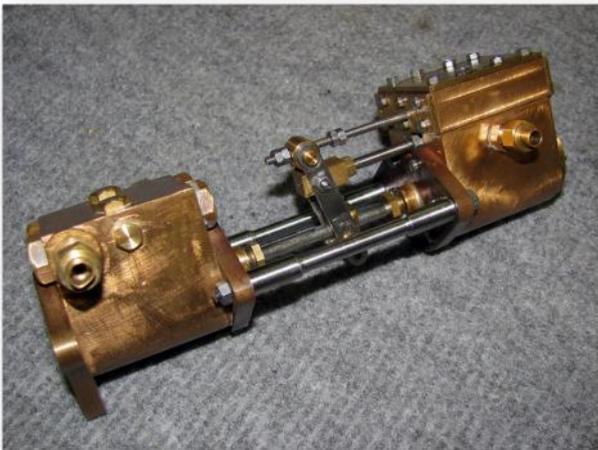
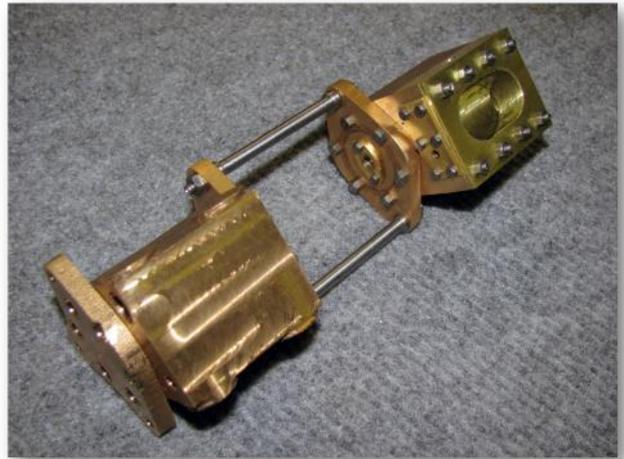
Hosted by Murray Lane

Reported by Roger van Ryn

The Lathe Murray Lane is restoring at MOTAT is a treadle lathe and Murray is after a ball shaped weight for the counter balance somewhere. Murray had the nicely restored wooden drum on the shaft, and still needs to do the pulleys which are a bit chipped. This is the Henry Milnes lathe of about 1890. Not a lot of them are around anymore, this may be the only survivor of its type.



Graeme Quayle has been also been on the restoration trail, this time a Feed Pump which needs lot of TLC, including making a new steam chest.



Co-incidentally, Chris Ratcliffe had bought (via e-Bay) a very similar pump and a smaller Duplex Twin feed pump, both of which were pretty good value, from the U.K.

Trevor Tailor brought in a length of blue air hose that attaches to a nozzle and becomes a vacuum blower(?) From the auto industry, its appropriate technology for removing the ash from the smoke box on your loco.



Dave Russell used a small magnetic stand to make a tool height gauge. Lots of advice about improvements was forthcoming from the gallery.



Michael Crijns should get the “natty gadget of the night” award, with his ball type anvils he fitted to his 1 to 2 inch micrometer. Not only does it now measure curved surfaces like clock springs, but it converted the mike to a 0 to 1 inch job.

Some large bearing blocks and patterns for Greg Burrows “Bunyip” Fowler were on the table. The castings done by “South Auckland” looked very good. Greg made the patterns from the last remaining scraps of “Armor Board” available in the country. The rest of us will have to use MDF. (Or “rapid prototyping” of course!)





I had a photo of the CNC routing table that I have been building, on the table with some 2D name plates in wood.

It's taken me two years of on-off working to get it going, with help and advice from Greg above. The electronic control is no where near as professionally made as Greg's, but it now works, so it might get tidied up... maybe. The machine is a MDF kit of ready cut parts that one assembles from interlocking pieces like a model boat. It was supplied by a TradeMe dealer in Tauranga, now selling only metal versions, called Craftsman

CNC. The steel stand came from the "inorganic". I've had the motors for 30 years and the electronic interface came from ToolsNZ, but needed all the connections tracked out as the silk-screen and the circuit diagrams don't apply. The whole thing, computer, monitor, motors, electronics, run from my 12volt solar power setup I have in the garage. The router is mains driven though. (Its an on-going project to get as many tools, lighting etc as I can "off-the-grid"... but that's another story.)

A pair of fine "Bezel Chucks" for a Schaublin jewelers lathe belong to Mark Richardson. The wood turners have a similar chuck set-up for holding bowls etc, while carving, but larger of course and not as fine, maybe.

Thanks;

Rog



Classified

For Sale

Centac 2A milling machine. table size 16" x 4 1/4", Longitudinal travel 8 1/2", cross travel 5", table to chuck 5 3/4". Forward and reverse switch, tilting vertical head, horizontal arbour and support arm, slotting head, 6 speed gearbox, lots of tools and cutters, speeds for vertical head 75 to 1185 rpm, horizontal arbour 85 to 1400.

\$2000.00 ono

Please contact Graeme Quayle;

Phone: (09) 416 7600

Email: gray.quayle@xtra.co.nz



Whakatane Run Photos

7th & 8th July 2012



River Edge Park Station presents a clean and tidy image.

Junior member Matthew operates Dave Fitton's NZR Fa class.



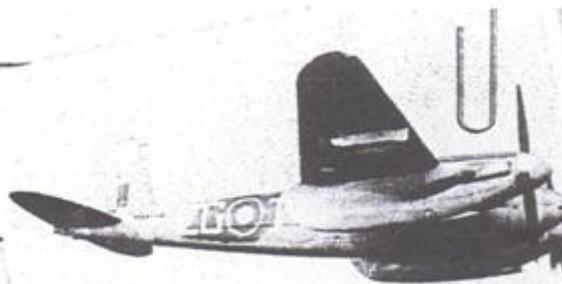
Senior member operates his nice 5" gauge model of a WMR 2-6-2 with NZR type trolley.

Anyone for a Phantom? A trailer load arrives Sunday morning from Tauranga Club.



PRESS RELEASE

The news you have all been waiting for
**THE DE HAVILLAND MOSQUITO FB.26
 KA114 WILL FLY LATER THIS YEAR!**



After 8 years of intensive rebuild and restoration, **KA114** is virtually complete and will fly late September 2012. Because this is such a significant event in the annals of aircraft restoration, major celebrations are planned.

These will take the form of

DE HAVILLAND MOSQUITO LAUNCH SPECTACULAR

Starting on **Saturday 29 September** (postponement day **Sunday 30 September**) 10am and going through till 4.00pm, **Mosquito KA114** will be on public display. This will be a one off event. There would be few people who would have ever anticipated seeing a Mosquito take to the skies, let alone one in NZ!

If that wasn't enough, there will be the chance of seeing the Mosquito fly in conjunction with her WW2 stable mates, the Spitfire, the Mustang and Kittyhawk.

NZ is blessed with an exotic variety of classic de Havilland aircraft from the ubiquitous Tiger Moth to the ultra rare Venom jet and everything in between.

Saturday will be a celebration of all things de Havilland and you can expect to see a feast of de Havilland aircraft flying and performing.

Also in attendance will be the Harvard Display team as well as a variety of ex-Military jets, aerobatic and other exotic types.

As well as flying displays there will be a celebration of Classic British Cars and a display of Military vehicles.

Tickets will be available through Ticketek and gate sales on the day.

Ticket prices: **\$25 Adults**
\$10 Under 15years
\$50 Family

THE "HONOUR DINNER" SATURDAY 29 SEPTEMBER 2012, ARDMORE

This will be a commemoration of the brave aircrew who flew Mosquito's operationally, as well as the Mosquito itself.

Additionally it will be a celebration and thank you to **Jerry Yagen**, the owner of **KA114**, who has made the enormous investment in this project. It will also be a chance to meet **Warren Deaholm** and the **Avspecs** team of craftsmen, who have in co-operation with **Glynn Powell**, of **Mosquito Aircraft Restoration**, brought this magnificent aircraft back to life.

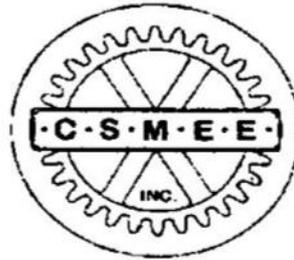
This will be a special occasion where veteran aircrew will join key members of Government and the Armed Services, aviation personalities and a large attendance of anticipatory diners who will want to toast this magnificent achievement.

Center stage will be **KA114** as well as a collection of key de Havilland aircraft.

Tickets will be \$150 per seat (Tables of 10 \$1450) and will be available through Ticketek and Ardmore Airport Ltd.

www.facebook.com/avspecs
www.warbirdrestoration.co.nz
www.nzaf.co.nz





Canterbury Society of Model and Experimental Engineers
presents

CANMOD2 – 2014

Dear Fellow Model-Engineers.

It is with much pleasure that the CSMEE invites you to attend the MEANZ Biennial Convention, to be held at the Halswell site of the CSMEE.

The Convention is being held over the weekend of Thursday 2nd to Monday 6th January 2014.

Convention participants are invited to bring engines and rolling stock, to run on the 2½", 3½" or 5" gauge raised tracks or on the 5" and 7¼" ground level tracks. Participants are also invited to bring models/ devices for display in the exhibition area, boats for sailing or motoring on the extensive boating pond and traction engines for the road engine section.

There will be a limited on-site camping area available so early bookings are essential. Each day's activities/ running will commence at 10.00hrs and continue through to 16.00hrs. Evenings will include a barbecue on the Thursday evening, and catered meals for Friday and Saturday (main Convention Dinner) with another barbecue/ fish and chip meal on the Sunday evening, given the possibility of a "Night Run". We will have a bar licence and limited supplies of alcohol will be available.

Fuel for I.C. powered locos, (both diesel and petrol) will be freely supplied as well as coal and char for the steam powered engines. There are dedicated coaling / refuelling areas and the Station now boasts a water softener for boiler top-ups. We do not have a storage facility for LPG but a local garage does have supplies. In the steaming bay areas for all steam powered engines, there is water and air available. Please bring your own electric or air powered steam-raising device. Your air connections/ hoses need to have a male Aro bayonet to fit the air reticulation system.

Hope to see you in 2014

John Howie
President