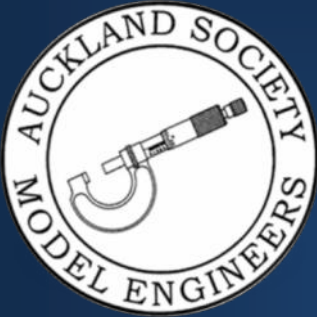


AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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SEPTEMBER 2011

NUMBER 561

THE MICROMETER

REGISTERED NEW ZEALAND PUBLICATION

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The editor on Dave Giles's Phantom at the Manukau Live Steamers open day for ASME Members



Train Roster



Extra

Guard #

Date	Electric	Electric	Steam	Station	Station	Station	Guard #
4 th September	D Booth	B Cotton	<u>B Piggot</u>	G Murray	J Olsen*	W Parker	
11 th September	T Crake	P Eaton	<u>A Pritchard</u>	G Quayle*	R Reichardt	M Richardson	
18 th September	M Granger	R Hannah	<u>D Russell</u>	K Ryan*	A Shirley	R Smith	
25 th September	J Harrison	P Haycock	<u>G Wills</u>	R Stratton	R Street	T Taylor*	P Dowdeswell
2 nd October	M Hollis	D Housley	<u>G Anderson</u>	P Tomkies	S Weston*	D Addis	
am 8 th October	J McManus	P Moy	<u>G Bell</u>	P Boyes	R Brown	J Burnett*	
pm 8 th October	M Plant	T Robinson	<u>L Farquhar</u>	R Copeland	R Crook*	P Cunningham	J Cunningham
pm 8 th October	P Woodford	I Ashley					
am 9 th October	D Black	D Booth	<u>M Jack</u>	B Currie	G Dickey*	P Dowdeswell	
pm 9 th October	B Cotton	T Crake	<u>T Lawrence</u>	A Foster*	D Gulliver	D Hamp	
pm 9 th October	P Eaton	M Granger					
16 th October	R Hannah	J Harrison	<u>M Orange</u>	G Healy*	P Jones	G Kemp	
23 rd October	P Haycock	M Hollis	<u>B Piggot</u>	J Lankow*	D Leybourne	M Luxton	
30 th October	D Housley	J McManus	<u>A Pritchard</u>	I Lyons	H Martin*	S Meikle	

***Note:** Two Club Loco's crews are rostered for the afternoons of the exhibition weekend

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 12.45pm 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".

Club Calendar

ASME Events	
6 th September	General Meeting. Talk / presentation to the club by Ashley Bird from Heat Treatments on metal hardening techniques.
10 th September	Workshop visit to members workshops in Waiuku (meet at clubrooms 12.00 for car-pooling).
13 th September	Committee Meeting
17 th September	Working Bee - 8.30am to box up the smokebox curve ready for adjustments to the levels and camber on this corner
24 th September	Working Bee - Complete work on the smokebox curve, backfilling with metal.
4 th October	General Meeting - Annual Club Auction
8 th - 9 th October	ASME annual exhibition and judging of exhibits, start getting your exhibits ready. Any queries, please contact Bill Parker or Hayden Purdy
11 th October	Committee Meeting
1 st November	General Meeting & AGM
10 th December	ASME Annual Dinner and awards presentation.
General Events	
8 th & 9 th October	Puffing Billy Railway Gala, Victoria, Australia
26 th November	Glenbrook Vintage Railway open invitation to like minded clubs, ride by donation, a great day for all. The day starts at 1pm at Glenbrook Station
5 th - 9 th Jan 2012	International Convention, Whangarei

Presidents Report

September 2011

The Committee held a special meeting to discuss the next steps with regard to the Track and Trolley review and the survey results. Their decision was that there needs to be an appropriate resolution passed at a properly convened meeting of members before any further time and work are committed to this project. That should help to ensure any further effort is not wasted. It is intended that appropriately worded resolutions will be put to the AGM in November and will include brief presentations on the key as-

pects of the options for the future so that all members may be fully informed before voting on the resolutions. Proper notice as required by the rules will be given in the October Micrometer.

At the track, we need to re-grade the track at the smokebox curve. The levels have been shot by Tony Lawrence and we need a team to lift and pack the track to the new levels so that the current undulations and negative camber can be removed. This will necessitate two working bees in September, on 17th and 24th September starting at 8.30am. Please bring a shovel and bar if you can (also a small bottle jack or similar to aid lifting). If we get through this with time to spare, there will be site tidy-up work around the track to do in preparation for the Annual Exhibition. The suggestion that we try a Sunday morning to see if we can get a better turnout has been deferred for the time being – I hope we can get a good turnout on these two working bees – please do make an effort to come along.

Following on from the working bee on 17th September from 1pm will be our next “fun” run. Come along whether or not you have a locomotive to run – it’s always a good time to socialise, discuss aspects of our hobby and have a ride or maybe even a drive!

A new controller has been purchased to fit to the Dsc locomotive and Timothy Robinson is planning to have this fitted and work completed during September. At the same time a new control panel is to be fitted which hopefully will become the model for the other (Ec) locomotive as well. A change of horn will also be made to ensure a completely different sound to the other locomotive and thus avoid confusion when both are being operated.

This month will be the last time you will receive a paper copy of the Micrometer, instead an email will be sent with a link to the newsletter. If you haven’t been receiving an email version over the last few months this means we don’t have your correct email address; so please make sure you urgently advise the Secretary of your current email address so you can keep up to date with Club affairs. A few members who are not on email have requested paper copies and they will be mailed to the postal address of those concerned (we need any such request in writing addressed to the Secretary please a.s.a.p). Before making a request for a paper copy, please be asking yourself – “do I really need a paper copy each month or would the email version suffice?” Remember that most of what is in the newsletter is just current information – in the event you wish to save a particular article it is an easy matter to save it onto your own computer – either the whole PDF file or cut and paste the sections you want and save them to a word document. In addition, the Micrometers will be maintained on the Club’s website for up to eighteen months, so you can always refer to those for any one-off information updates from prior issues. The change is focused on making significant savings on what has become the single largest expense of running our Club.

The September workshop session set down for Saturday 10th will be interesting as we travel out to Waiuku to visit the workshops of two of our members who live in that area (Bill Parker and Greg Burrows). For those interested we will meet at the Clubrooms not

later than 12 noon for carpooling and travel as much as possible in full car loads to keep travel costs down. The rough timetable is to leave the Clubrooms shortly after 12 noon, arrive at Bill's at 1pm, move onto Greg's about 2.30ish, leaving about 4.30 and arriving back to the Clubrooms by 5.30pm. Feel free to travel directly if that suits best; addresses are as in the last circulated membership list. Please think about whether you want to make it along on this visit so that you can indicate your attendance to our hosts when I call for it at the September general meeting.

As mentioned at the last general meeting, the new Amusement Devices Regulation amendments have been gazetted and are now in force. We are awaiting a further document from MEANZ and the DOL which is expected to provide further information on how these changes are to be interpreted and acted upon.

The Boiler Sub Committee continues to update our records of boilers owned by Club members and are still seeking current information from members to enable this to occur. Please ensure you have let the Secretary know which boilers you currently have and (most importantly) some brief details (boiler number and what type/name of model, etc.) so the boiler committee can check them off in the Club's records. We are not dispensing with the old records as such (the old lists will be archived), merely looking to get a more succinct working list of current boilers to ease the management of this important area.

The theme for the ASME Annual Exhibition weekend to be held on Saturday 8th & Sunday 9th October has been set as "Past and Present". Our Organiser, Bill Parker is keen to locate suitable exhibits, especially some of the older or past members work – can you help him source these? We obviously need current work as well, remember this event includes the annual judging for the various Club trophies which will be awarded at the Christmas Dinner evening. What help you can provide for supervision of the exhibition and railway duties over the weekend? You will note the new roster has morning and afternoon shifts for both days to operate the railway as we are expecting that the advertisements will draw good crowds. We will be looking for entries and volunteers soon, but in the meantime if you have any queries, please see our chief organiser, Bill Parker.

As yet I haven't had any offers to mount the Club's entry in the Les Moore Challenge at the "Steam Up North" Convention to be held in January next year. Please do give this your consideration and let me know if you can help our Club prepare its entry.

Ending this report is the news that Myford founded in 1934 by Cecil Moore, has finally gone into liquidation – no doubt this will be lamented by many. For more information see: <http://www.bbc.co.uk/news/uk-england-nottinghamshire-14183589>

Keep on with the model engineering this month – we need your work for the Exhibition!

Grant Anderson

23rd August 2011

Bits & Pieces

General Meeting, 2nd of August 2011

Hosted by Gary Farquhar reported by Roger van Ryn

..... a hand in a lunch box? Uuurp...oh well, move on.....

Some huge connecting Rods by Dave Housley for his Lima Mogul 71/4. Complimented by some..... nice Links and Motion work for a similar model being assembled by Bill Parker.

Photo A

Alan Fosters "hand built castings" look amazing. This time for the Roots blower, Alan has simulated the "cast look" beautifully with shot penning? **Photo B**

On the subject of blowers, Hugh got a nice one in from England, that's all metal and should take the heat while drawing air for the loco's fire. **Photo C**

Greg Burrows been doing some machining on the belt drive assemblies for his retro-fit CNC lathe. The solid lumps of ali are a bit lighter now. Nice stepper motor! **Photo D**

A nice old Engineering Supply book made interesting browsing thanks to Peter Tomkies.

A red tin of R8 arbour and collets can be had at a good price from Mark Richardson if you are interested.

Greville Wills made a knurling tool of the over-under type, for a quick job that took five minutes... we all know this scenario, but on the bright side, at least he's got one now!

Photo E

Murray Lane has still managed to be busy in the workshop despite being in the wars lately. He showed a direct dividing arrangement for a Myford originally made by Phil Isaac in 1958, and refurbished by Murray. **Photo F**

Murray also showed a 20DPI cutter which had a modified bore and a few members concurred when Murray suggested that one does not have to put the key in the way when cutting on smaller machines. This allows the cutter to slip when a dag is encountered, and not wreck something else in the drive train. **Photo G**

A Myford depth stop, the over centre ball turning attachment, graduation scribing tool and a vertical slide were also part of Murray's offerings. **Photo H**

The last item from Murray this month was a modified Myford dividing head. **Photo I**

Now that I have stopped my subscription to the Shed, they have a steamers/engineers bonanza for us! Featuring our Gary on the cover what's more!

Continuing on the plastic plumbing theme from a while ago, Trevor Taylor brought in a bit of the all-in-one insulated water reticulation piping being fitted to the school he works at. **Photo J**

OK I'll try the hand-in-a-box one again.... when Graeme Murray demonstrated it, it still looked too real. Its an immortalisation of Jocelyn's hand, famous world-wide for testing if the muscle relaxant part of an anesthetists job is working... then he just has to put the patient to sleep... with a mallet or anything handy. **Photo K**

On the engineering front Graeme brought in his racks of small boring bars, and the jig used to make the saw-blade version. One can never have enough small boring bars!

We all commiserated and understood about the dealings of "big-business" on hearing Murray's other tale. **Photos L**

Graeme Quayle brought in a Ninja weapon, and tried to tell us it is a boat prop! (Ok we'll believe him, even though it looks NOTHING like the brass "Normal" one.) **Photo M**

The evening was brought to an end over a cup of tea and a chat, after Peter Woodford's informative talk on the A4's and their ilk. With 35 of the variants made, they are an entire engineering subject on their own. Look up Sir Nigel (The loco!) on the web at....

<http://www.lner.info/locos/A/a4.shtml> (see photos at bottom of page 9)

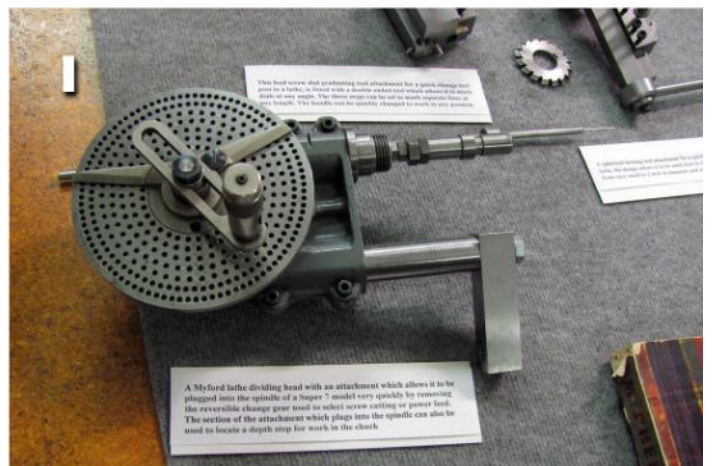
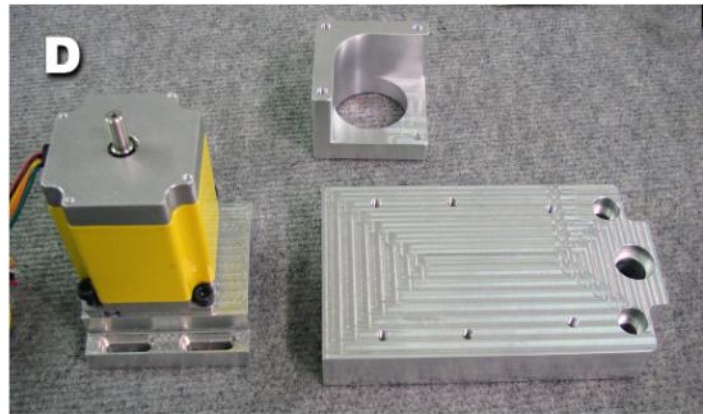
buy the simulator at...

<http://www.tickets.virginmegastore.me/GamesDetails.aspx?ID=4095>

and try...

<http://steamtube.ning.com/photo/sir-nigel-gresley-passing-1>.

Roger





Around the Clubs

September 2011

Mailship, Scale Model Marine, July 2011.

A very good article on the sinking and subsequent re-discovery of the aircraft carrier Ark Royal. Strange to see that the captain was court marshalled because his ship was torpedoed. The investigations did reveal some design faults that didn't help. Some models for sale and an article on club membership.

Con Rod, Otago, July 2011.

Good article on soldering. A member has built a vertical twin engine petrol engine, 1"X 1 1/8", OHV and water cooled. The 29cc should power his little Lister Loco. A model Bismarck and an E boat under construction by members of the boat section.

Northern Views, Whangarei, July 2011.

Update on the upcoming convention, only six months away. Much work underway to ready the track for the event. Story and photo of a ship building yard in the USA. The size of the crane and the specs of some of the ships have to be seen to be believed.

Expansion Link, Hamilton, July 2011.

Visit to Squirrel Valley for a mid winter steam up. Seems the G Gauge rail runs along side the 7 1/4" rail. A number of machines up for tender but it closed on the 11th July. Some forms to register for steam up north and to buy some souvenir clothing.

Sun City Express, Nelson, July 2011.

Looking for members to drive the paddle steamer. Photos of the delivery of the new DXR to Nelson.

Blast Pipe, Hutt Valley and Maidstone, August 2011.

More on the Garratt brought over from Africa, quite an undertaking. More too on the rebuilding of the raised track and the mould to form it. Good article on the Ellis and Bernard logging activities. A 7 1/4" hand jigger and more on the Rainhill Trials. Seems Myford has ceased trading.

South Canterbury Model Engineers, Timaru, July 2011.

Cover photo of the Timaru stig sailing very well on the pond. Some new hulls available through the Club. Some shots of the Electric Train Group`s night run on the indoor track.

Slipstream, Auckland Model Aero Club, August 2011.

Interesting collection of rubber powered models. Reports from Aka Aka, Hoteo and Balmoral with photos of some great looking models.

The Narrow Gauge, Adelaide, July Aug and Sept 2011.

Sad to note passing of Maurie Turner at the age of 97. As a founding member he was one of those people that could, and did, everything. A number of photos show his achievements over the years. The show of work displays a great variety of models built by members.

Model Torque, Napier, July 2011.

Maid of Kent back in action again. Some history of the club. A trip to Aus which included a visit to a small aircraft museum, among the exhibits were the story of two Ansons that collided in the air, one landing on top of the other, most of the crew bailed out but the pilot of the lower plane landed them both. Article on Alice the steam boat.

Wheels and Floats, Tauranga, July/Aug 2011.

Club news, photos and story about the Nigel Webber steam bike. Also the story of the Edison Storage Battery Rail Car, Used in the Canterbury District.

Workbench, Durban, Aug 2011.

A good read, article on DCC for model trains and an ingenious gadget to go in the exhaust of a steam engine to make it really chuff. Write up on the 10th South African Live Steam Meet in Port Elizabeth. Sad story of the house fire that spread and badly damaged the Knysna Model Engineers workshop and a lot of the tools and rolling stock, great to see how most of it has been repaired so well. Sad to note too the demise of Myford following the death of Mr Moore Senior, let`s hope a suitable buyer can be found. Photo too of the tragedy on the Spartenburg 16" gauge railway.

Alan E

Warning on Use of Viton 'O' Rings

This substance is extremely toxic and has the capacity to kill upon exposure rather than simply damage skin and eyes. It should be handled with extreme care, beyond that given to hydrochloric, sulphuric, or other mineral acids.

(Hydrofluoric acid is best known to the public for its ability to dissolve Glass by reacting with SiO_2 (silicon dioxide). To those who use Viton rings or other products here is a reminder warning of the risks involved. Note that Viton (fluoroelastomer) is stable and does not have any known detrimental health effects until heated to above 300°C or exposed to naked flame.



Exposure Hydrofluoric Acid (HF) Symptoms of skin exposure to dilute HF are not felt immediately, but exposure of less than 10% of the body to it can be fatal, even with immediate medical treatment. Highly concentrated solutions may lead to acute hypocalcaemia, followed by cardiac arrest and death, and will usually be fatal in as little as 2% body exposure (about the size of the sole of the foot).

(With acknowledgment to Australian Model Engineering)

Notes From the Editor's Desk

Newsletter Delivery

If you wish to continue to receive the newsletter by post, you must contact the secretary in writing to advise as such. The newsletter you receive in the post will, in the near future, be black and white only.

Boilers

Anybody who owns a boiler which is subject to club rules needs to contact the secretary stating that they still own/use that boiler. The reason behind this is the committee would like to cull the long list of boilers on its books - as many have now long gone, or even gone overseas.

Club Website

For those that do not know the login details for the club website, or have trouble logging in, please email the editor at editor.asme@gmail.com.

Please note you are no longer required to login to download the newsletter, these are now in the public domain. Find them here: www.asme.org.nz/newsletter.aspx

You are most welcome to send the editor any content you think may be suitable for the club website, such as photos or a brief history, to the following email address: editor.asme@gmail.com

October ASME Exhibition

The annual ASME exhibition is coming up on the 8th and 9th of October, and members are encouraged to register & bring along any model they think is suitable for display - this does not just include finished display models, but also works-in-progress or near completion models. We would like to show the public that lots of hard work and effort goes into building models, and that the models are not just brought at a retail store. Please note registering your model is mandatory - to find out how to register, please see page 14 (ASME Exhibition - How to Registry Your Model).

There will be train rides running from 10am to 4pm on both days - have a look at the roster on page 2 to see if you are rostered on.

Below is a list of all of the awards to be given out at the Annual Xmas Dinner - if you think you are eligible for any of the following, you have to be in to win!

ASME Exhibition Awards

Jackson Championship Cup

Best completed exhibit.

Kresta Cup

Best engineering exhibit to any stage.

ASME Shield

Best item of workshop equipment.

Jack & Ethel Hocking Cup

Best British locomotive prototype to any stage.

Horological Trophy

Best horological exhibit.

Committee Cup

Best junior exhibit or at the judge's discretion for any exhibit.

Peter Baker Memorial Award

Best painted exhibit.

Les Fit Memorial Award

Any exhibit to any stage at the discretion of the judges.

Beginners Medallion

At the judge's discretion for the best improved beginner.

Highly Commended Certificates

Awarded at the judge's discretion.

ASME Exhibition

How to Register Your Models

Here is a short guide on how to register your models online for the exhibition. If you cannot manage to use the online form as described below, either send an email to exhibition@asme.org.nz, and you will be sent a email to fill in, or ring Hayden on 09 427 5906 to confirm your entry.

Step 1

Visit www.asme.org.nz/MemberArea/exhibitioninfo.aspx

Enter your details & press 'Next'

Online Exhibition Entry Submission Form

Below is a form for entering your details for entry into the exhibition. Please fill in all fields.
A email will be sent to you after you have completed the form on the next page, summarising the information you entered.

If you have any questions, please send an email to exhibition@asme.org.nz

Name:

Email:

Phone Number:

Step 2

Fill out the boxes and click 'Add Model'

Exhibition 2011

Online Exhibition Entry Submission Form

Model Title:

Beejax

Time to Construct:

6 Years

Model Type:

- ☐ Internal Combustion Engines
- ☐ Stationary and marine engines
- ☐ Mechanical propelled vehicles, including tractors
- ☒ Locomotives
- ☐ Tools and workshop equipment
- ☐ Horological, scientific and optical apparatus
- ☐ Engineered military models
- ☐ General engineering models

Short Description of Model:

Beejax built by James Jameson,
refurbished by Joe Blogs

Add Model

I'm Done

Reset Form

Models Currently Added:

Remove Selected Item

Step 3

If you have more models to add, repeat step 2.

If you are finished click 'I'm done'.

You can see the models you have entered under 'Models Currently Added', and remove them by clicking 'Remove Selected Item'.

Exhibition 2011

Online Exhibition Entry Submission Form

Model Title:

Time to Construct:

Model Type:

- ☒ Internal Combustion Engines
- ☐ Stationary and marine engines
- ☐ Mechanical propelled vehicles, including tractors
- ☐ Locomotives
- ☐ Tools and workshop equipment
- ☐ Horological, scientific and optical apparatus
- ☐ Engineered military models
- ☐ General engineering models

Short Description of Model:

Add Model

I'm Done

Reset Form

Models Currently Added:

Beejax

Remove Selected Item

Step 4

You will be shown this screen, where you can choose places to go on the website.

A confirmation email will be sent to your inbox.

Exhibition 2011

Your submission was successful - thank you for supporting our club!

To go to the ASME homepage, click [here](#).

To go to the ASME Members Page, click [here](#).

~ PAST & PRESENT ~



To enter, see page 14-15 of the magazine. You can also contact the organisers at exhibition@asme.org.nz, or call Hayden on 094275906 to register.