

The MICROMETER

THE AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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Club Web Site www.asme.org.nz

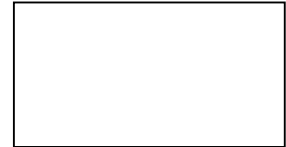
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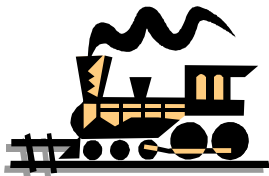
In this Months Edition

Jubilee update Newsletter

RETURN ADDRESS
ASME
PO BOX 14570
PANMURE



Claude Monet - Train in the Snow, the Locomotive



Train Roster

Date	Electric	Electric	Steam	Steam	Station	Station	Station	Extra Guard
7-Dec-08	J W-Buys	J Yearn	L Farquhar	<u>A Gasteen</u>	P Jones*	D Leybourne	I Lyons	
14-Dec-08	D Black	D Booth	<u>M Jack</u>	B Piggott	H Martin*	G Murray	E North	
21-Dec-08	T Boyd	<u>B Cotton</u>	A Pritchard	D Russell	J Olsen*	B Parker	F Putt	
28-Dec-08	----- Xmas / New Year Break - No Roster in Operation - Voluntary -----							
4-Jan-09	----- New Year Break - No Roster in Operation - Voluntary -----							
11-Jan-09	R Craig	T Crake	R VanRyn	<u>G Wills</u>	G Quayle*	R Reichardt	M Richardson	P Dowdeswell
18-Jan-09	P Eaton	M Granger	<u>G Bell</u>	E Burns	A Roberts	K Ryan*	A Shirley	
25-Jan-09	J Harrison	D Housley	L Farquhar	<u>A Gasteen</u>	R Stratton	R Street*	T Taylor	
1-Feb-09	J McManus	P Moy	<u>M Jack</u>	B Piggott	A Watson*	A Whillans	I Ashley	
8-Feb-09	M Plant	T Robinson	A Pritchard	<u>D Russell</u>	P Boyes	R Brown	J Burnett*	
15-Feb-09	J W-Buys	J Yearn	B VanRyn	<u>G Wills</u>	R Crook	G Dickey	G Farquhar*	P Dowdeswell
22-Feb-09	D Black	D Booth	<u>G Bell</u>	E Burns	P Cunningham	A Foster*	W Green	J Cunningham

Bold and Underlined name – is the designated **Train Controller**, i.e. the person in overall control of all operations for the day.

Bold with Asterisked* name – 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.

Special note Re: Train Ride Price Increase. As from the 1st December 08 all train rides will be charged at \$2 the price is now the same for adults and children. Concession tickets remain at \$10 but all rides taken using a concession ticket will now be two clicks, this still makes the concession more economical as you get six rides for your \$10

Spare Tickets: Please note that some spare tickets for Sunday running are stored in the cupboard behind the blackboard in the clubrooms.

Club Calendar December 2008

- December 2nd Monthly General Meeting, Guest Speaker, Terry Roycroft on the Aquada Car
- December 6th Working Bee at Clubrooms, from about 9.00am
- December 9th Committee Meeting
- December 13th Club Christmas Dinner, cost \$20 per person (subsidised)
- December 16th Beginners Night at Mike Jack's home

Presidents Report

At last months AGM some new faces were voted onto the committee and some committee members, and the president indicated that they wished to stand down. We wish to say a big thanks to Mike Jack, Kevin Ryan and Paul Eaton for their involvement and service they have given the club over the last few years. We welcomed to the committee Arnold Watson and Reg Reichardt.

The officers of the club for the coming year are:

- Gary Farquhar – President
- Grant Anderson – Vice President
- Graeme Murray – Treasurer

David Russell – Newsletter Editor
Brian Cotton – Secretary
David Black – Library

Committee:

Tim Robinson
Alan Prichard
Roger van Ryn
Greville Wills
Reg Reichardt
Arnold Watson

Also at the AGM it was decided to increase all train rides to \$2.00 for both Adult and Child rides. This increase takes effect from the 1st December. On the concession tickets we will now do two clicks per passenger. This will mean that the concession ticket will still give a free ride to the holder. However it is acknowledged that people may have already purchased a concession ticket and not have used it up prior the new fares taking effect. We are happy for a little considerate leeway to be given over the rides for a while. There should be a notice posted at the station explaining the fares.

The Christmas dinner is booked in for Saturday 13th December, at the club rooms. Commencing at 6.30pm for pre dinner drinks and dinner at 7.15pm, \$20 per person, Tickets will be on sale at the next club meeting.

We are always on the lookout for some good speakers and entertainment for our club nights. If you have any contacts or have an interesting topic that you can bring to a meeting I would love to hear from you-otherwise we will have to do some "volunteering" of members as I know that everyone has a good story of some sort to tell.

We welcome to the club Graeme Healy and Isaac Hansen as new members. We trust that you will enjoy your membership and we look forward to your involvement.

Just leaves me to wish you all the compliments of the season and remind you that there is no official club meeting in January. We as a club are in for a busy year next year.

Gary Farquhar

New Life Member

At the Annual General Meeting held at the clubrooms on 4th November it was proposed and carried as per the club rules that Greville Wills be made a life member of the club. As you are all aware Greville has dedicated countless hours to the club over the years and is very deserving of the Life Membership Honor.

Convener Required

A convener is required to convene the ASME display to be held at the Glenbrook Vintage Railway Steam & Vintage Country Festival 2009. The dates are 6th, 7th and 8th February 2009. This event will be an excellent stage to promote our up-coming Jubilee celebrations. Interested persons should contact the club President or Secretary.

ASME Library

The club has a fantastic asset in the Library with complete bound volumes of Model Engineer, Engineering in Miniature to mention only a few going back to early last century in some cases. These books are for the members to borrow and use, with many answers to those tricky questions contained within. Also contained in the volumes are step by step building instructions for many locomotives, traction engines, stationary engines and items from all facets of our hobby. There are also many books on specific subjects. If you are not sure how to go about getting books from Library please ask Murray Lane at the next club meeting and he will be able to get you started.

An online Index for the Model Engineer Volumes is hosted at www.itech.net.au

Display at Machinery House

A good display was in place from Thursday 25th through to late morning Saturday 27th September at Machinery House in East Tamaki, mainly due to the efforts of Murray Lane. Also assisting in person at various times were Mike Banks, Graham Bell and Grant Anderson.

A lathe was made available for our use and Murray finished some jobs on this while manning the display stand. Most visitors showed interest in our display and a few are prospective new members. A woodturning club were also displaying their hobby next to our stand. Several ASME members also visited the display (and some were seen to purchase items during this Machinery House's annual sale!). Thanks to all those members who made exhibits available and assisted a good turnout to support our sponsor. (Remember they offer 10% discount to members).



Bits & Pieces, reviewed by John Olsen

Grant Anderson had a box of new collets and a chuck, similar to a Clarkson for holding end mills. **Photo A**

Trevor Taylor continues to restore the parts for the vandalised "AJAX", Tonight it was the superheater elements, and a water filter from a side tank, this shows the extent of the damage done. **Photo B**

Graeme Quayle had brought along his STUART 5a VERTICAL steam engine. **Photo C**

Mike Jack had two very well made connecting rods, made by C.N.C. methods to a very high standard for 5" gauge Britannia's. **Photo D**

The next item was a very nicely made but quite small twin cylinder vertical steam engine made from a kit of pre machined parts ex. the U.S. These kits are imported by **Bill Parker** cost around \$600. **Photo E**

Murray Lane had the crankcases for his rotary engine and these were fitted together with a large centre ball race which had been ground to suit the crankcases. **Photo F** He had also a partially completed beam pumping engine, made with some castings owned by Christopher Ratcliffe. **Photo G**

Peter Woodford showed us some digital vernier callipers having different features. The 8" one in the background read in metric, imperial and fractions, the 6" one was designed for left-handed use. **Photo H**



A



B



C



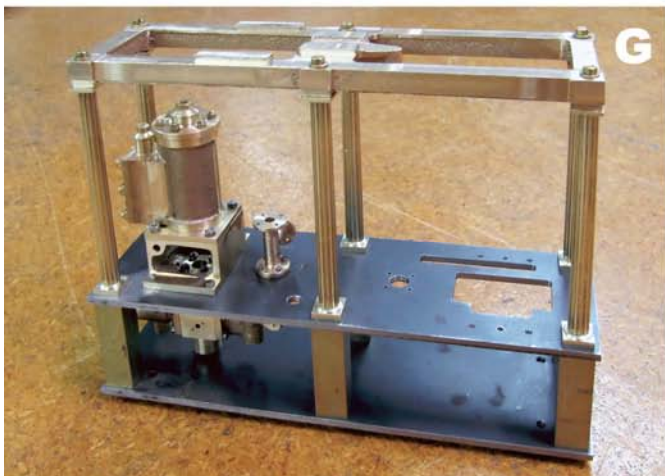
D



E



F



G



H

Jubilee update Newsletter

ASME JUBILEE YEAR 2009

Being the last newsletter for this year I have taken the opportunity to bring members up to date on our plans for next years 50th celebrations.

The November newsletter included the members notice with dates and times for the exhibition and dinner. I hope you have all marked the appropriate time and date into your new diary or calendar.

Earlier in the year your committee signed off on the programme for the preparation and promotion leading up to and including the exhibition and commemorative dinner. Much of the ground work is already underway.

Our intention is to have a memorable exhibition of works from our current and past members who's families have kindly agreed to loan their models.

Two exhibition rooms will be used in Waipuna Lodge, these are well lit, modern, carpeted and air conditioned areas with access for the supply of services to enable models to be run. Electronic display equipment and services can also be taken advantage of.

Waipuna Lodge being adjacent to our club enables us to also utilize the area under our club rooms for trade displays, larger items and working machinery demonstrations. Needless to say the track will be in operation over the three days as entry to the exhibition for children will also include a free rail or traction engine ride.

The club room upstairs area will be used for club members and our invited guests to enjoy our hospitality with a cup of tea and a light lunch.

The public and visitors attending the exhibition will have full access to the Café and Bar facilities of the Waipuna Lodge Conference Centre to ensure their visit is both memorable and enjoyable. That's a nice way to say Mum can go and have a coffee?

It is timely for me to remind all our members that you only have eleven months to dedicate to your workshop to get your entry advanced just that little bit further and hopefully finished in time to meet the deadline.

Judging for the annual awards will take place at 2.00pm on the Saturday with announcements being made at the dinner that evening.

The dinner will be held in the hotels banquette room with table setting for ten so start thinking early if you wish book a table with your friends. A semi formal event is planned with MC and a guest speaker who I promise will not bore the ladies with engineering facts and figures, quite the contrary.

It could be a long night so we have arranged for the Waipuna Hotel to make some rooms available at an attractive rate for members and out of town visitors.

Best wishes to all for the festive season

Hugh Martin Convener 50th Jubilee Committee

Around the Clubs, reviewed by Alan Emerson

Blowdown, Kapati, Spring 08

Open Weekend to be held on the 21st and 22nd of Feb 09. More on the construction of the Alco Pa built by John Romanes with photos of it on the track. Also a couple of pictures of the Anniversary Train at Paekakariki. Nice photos too of a couple of projects, one of machining a part for a traction engine and one of a boiler.

Engine Booster, Los Angeles, Sept and Oct 08

Photo and story about a 1916 Case 50HP traction engine. Good pictures of their setup. Getting ready for Halloween.

Mailship, Sept and Oct 08

Cover photo of Dave Bowyer's collection of boats. List of websites for model boat enthusiasts. Article on interference to remote controls.

The Adelaide Steam Railway Society, South Australia, Oct/Nov/Dec 08

Club news, photos of their track improvements and the problems setting the valves on a compound K1 Garrett. For sale are a part built Juliet in 3 1/2 " gauge and a 2" Clayton Steam truck.

The Workbench, Durban Society of Model Engineers, Oct/Nov 08

Train trip cancelled due to parts of the track being stolen. Some examples of 3D printing using sugar. Great interest in John Olsen's dividing article. A free piston motor to generate electricity, didn't say how you start it. Some good photos from the National Railway Museum.

Canterbury Tales, Sept 08

Cover photo of MP Nick Smith driving the loco Alaska. 75th Anniversary coming up. Photos from Nelson's 50th event, particularly liked the paddle steamer!

Southern Rails and Sails, Oct 08

News from the Model Engineering the Boat and Model train sections. Cover photo of two locos in the new Kiwi Rail colours. For sale are castings etc for a Stuart Turner Triple engine and a Quorn Tool Grinder. contact the Editor at Dalriada2000@xtra.co.nz

Big Wheels, Victoria, Sept/Oct 08

Club news, a trip to Perth, the story of Clarkson's and hints on taps [for threading].

Swarf, New Plymouth, Sept/Oct 08

Steaming the Juliet and running the new electric loco. A model steam engine made in a POW camp during the war. The story of a 1/3rd size stone crusher driven by a scale traction engine. A railway loco oops!

Boilers, Rotorua, Sept 08

Article on repairing a milling machine. Working on the railway in the steam days. Some history of the Te Amorangi Museum and a write up on the Toot and Whistle Railway. The Bassett Lowke's catalogue for the Atlantic engine makes good reading. A 13" casting for a driving wheel cost 15 shillings and 6 pence.

Thames Small Gauge Railway, Sept 08

Good article on pantographs and new French high speed trains.

Piston and Prop, Marlborough, Oct 08

Bad weather affects the boating and flying sections, hopefully this will improve.

Blast Pipe, Hutt Valley and Maidstone, Oct/Nov 08

More on gear cutting. Assembling a new traction engine. Visit to Hutt Valley railway workshops with photos of some reconditioned bogies. Visit to NZ Waterjets where it seems almost any thing can be cut using a water jet.

The Generator, Palmerston North, Sept/Oct 08

Cover photo of a model sawmill. Stan Compton's Letter From England, always interesting. Model of the Makatote Viaduct displayed at the Ohakune railway station for the Parliamentary Special Train. Also a cover photo and story of a full size Governor motor cycle restored after being submerged in a ditch.

Expansion Link, Hamilton, Sept 08

Visit to Squirrel Valley Railway went well. Details of the Rotorua Open Weekend to be held on the 13th and 14th December.

Northern Views, Whangarei, Oct 08

Dry, if cool weather, made running possible again after a long wet spell More detailing on the Dash-9 loco. All about the Thuile Locomotive.

Wheels and Floats, Sept and Oct 08

Good pictures of some old machines. What not to do to a brand new Airbus. Details of the new Queensland Rail E40 Class Bo-Bo Loco. Some interesting workshop definitions. Phantom boilers under construction and a handy chart on turning tools.

Steamers and Dreamers, Sept 08

Photos and history of the Iron Bridge in Shropshire.

Upcoming Model Engineering & Associated Events

13-14 Dec 2008	Rotorua Model Engineers Club, Open Weekend
6-8 Feb 2009	Glenbrook Steam & Vintage Country Festival
15 Feb 2009	Panmure Basin Festival
14-15 March 2009	Wanganui Model Railway and Engineering Society, Model Train Show
2-4 October 2009	A.S.M.E. 50th Jubilee Exhibition
5-11 Jan 2010	Nelson M.E., Steam and Cinders 2010 International Live Steam Convention

Classifieds

For Sale

5" gauge Firefly Locomotive, \$8,000

Alan Pritchard

Ph (09) 570 9492

Wanted

I am trying to locate a 2.2mm x 56 tpi (bicycle spoke thread) Die nut can you point me in the direction of somewhere in Auckland

Axel

cawthorne@orcon.net.nz

Wanted

Recently I purchased a set of 5" Britannia castings at our club auction. The wheel castings have the name WILWAU cast into them on the back. I am now trying to locate a set of drawings for this locomotive.

Dave Russell

Ph (09) 446 0957, editor@asme.org.nz

Taken

From the club engine shed a steel cradle for lifting and transporting Alan Gasteen's small maroon coloured diesel loco (stored in engine shed). If you know where it is or who has it please contact the owner.

Alan Gasteen

Ph (09) 449 1383

On the Internet

Dear Mr. Editor,

Thanks for taking on the job for another year!

I found a source of engineer's references and downloaded an engineering handbook off:

http://www.ncees.org/exams/study_materials/fe_handbook/

It's a web site of the American **National Council of Examiners for Engineering and Surveying**

And has a lot of free resources.

(I still don't know how to calculate the size of belt I need to transmit 1 horse..... will keep trying,)

Regards, Roger van Ryn.

Always worth a look is the NASA website (one of my favorites) it can be found at.

www.nzsa.gov

If you have a broadband connection try going to www.youtube.com and search "model engine" you will be surprised at the variety and quality of some of the work displayed here.

Dave Russell

Editor