

Number 636

July  
2018

# The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

PO Box 14570, Panmure, Auckland 1072, NEW ZEALAND

Club House: Peterson Reserve, off Peterson Road, Mt Wellington,  
Auckland 1060

Telephone: (9) 570 5286 Club Web Site: [www.asme.org.nz](http://www.asme.org.nz)

<b>President</b>	Timothy Robinson	09 296 2949
	e-mail address	<a href="mailto:president@asme.org.nz">president@asme.org.nz</a>
<b>Secretary</b>	Mike Moore	09 443 6050
	e-mail address	<a href="mailto:info@asme.org.nz">info@asme.org.nz</a>
<b>Editor</b>	John Lankow	09 576 5400
	e-mail address	<a href="mailto:editor@asme.org.nz">editor@asme.org.nz</a>

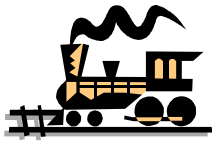
REGISTERED NEW ZEALAND PUBLICATION

## **A Wintery Day in Hamilton**

This photo, sent in by Grant Anderson, was taken recently at Hamilton ME track by Keith & Bianca Betts, and appeared on the NZME Facebook website.

Grant thought it was a great shot ably demonstrating (a) that winter is now here and (b) the involvement of the younger set in the hobby.





# Train Roster

Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard	
1-Jul-18	I Ashley	A Bailey	Voluntary	<b><u>G Anderson</u></b>	<b>R Crook*</b>	D Vaughan	
8-Jul-18	G Beazley	M Granger	Voluntary	<b><u>D Russell</u></b>	<b>R Copeland*</b>	D Beecher	
15-Jul-18	M Hollis	D Housley	Voluntary	<b><u>G Wills</u></b>	<b>P Jones*</b>	M Vickers	
22-Jul-18	J Lankow	D Moffat	Voluntary	<b><u>B Aickin</u></b>	<b>M Luxton*</b>	S Wilson	
29-Jul-18	G Wills	P Moy	Voluntary	<b><u>P Dowdeswell</u></b>	<b>B Matchett*</b>	R Souter	
5-Aug-18	R Reichardt	A Shirley	Voluntary	<b><u>T Lawrence</u></b>	<b>K Ryan*</b>	S Shirley	
12-Aug-18	P Woodford	I Ashley	Voluntary	<b><u>S Meikle</u></b>	<b>A Stratton*</b>	D Vaughan	
19-Aug-18	A Bailey	G Beazley	Voluntary	<b><u>T Robinson</u></b>	<b>R Stratton*</b>	M Vickers	
26-Aug-18	M Granger	M Plant	Voluntary	<b><u>G Anderson</u></b>	<b>P Tomkies*</b>	D Beecher	

## **Bold and Underlined Name:**

This is the designated **Train Controller**, i.e. the person in overall control of all operations for the day

## **Bold with Asterisked\* Name:**

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

**Drivers:** Please keep your eyes open for unusual or suspicious behaviour around the track which may affect the safety and/or smooth operation of our trains. Report such activity to the Train Controller.

## **Please Note:**

If for some reason you are unable to attend on 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. **Note: the Train Controllers for both affected days must be informed of the swap in advance.**

Also, please ensure the member you arrange a swap with is one who is rostered to undertake the same role to ensure we always have members with the appropriate training and experience on the day.

---

## **JULY CALENDAR**

**Tuesday July 3rd, 7.30pm** - General Meeting, ASME clubrooms

**Tuesday July 17th, 7.30pm** - Committee Meeting, ASME clubrooms

## **Coming Up:**

- Model Trains, Boats and Planes show, Whangaparaoa, July 7-8. See page 7.
- Taupo Hobby Expo, July 14-15. See pages 8-9.
- Nelson Society of Modellers open weekend October 20-22 (Labour weekend). See page 10.

## Committee Comments

At the last General Meeting, Mike Banks rounded off his discussion on riveting, by demonstrating several tools and methods used both in his previous life as an aircraftsman and also recently on constructing the tender for his 5" GWR King loco. Thanks Mike for your work in preparing and presenting this interesting and informative presentation.

Do any other members have an interesting and/or relevant matter which they would be prepared to talk on at an upcoming meeting? The Committee generally struggles to source suitable speakers for the programme slot of the general meetings; really it is up to you as members to make suitable offers to the Committee to enable it to programme and advertise upcoming talks in the Micrometer, so all have a chance of attending.

You may notice some cameras being installed around the Club. These are not to "spy" on anyone but rather to enhance the security of the excellent facilities the Club is fortunate to have. Specifically, from time to time we have reports of doors left unlocked and/or alarms not armed, so these cameras will help to record such omissions and allow measures to be taken aimed at avoiding or reducing such occurrences (especially as the clubhouse is used by other clubs, as well). Thanks to Greville Wills for getting into action in sourcing and installing this surveillance system at a fraction of the cost of commercial offers made last year.

Just a reminder that a working bee is held most Saturdays from 9am and there is always plenty of maintenance work to be done. So if you have a few hours spare, come along and help keep the facilities up to scratch. Some jobs may be considered menial, others important, but all are vital to keep the Club operating. It's also a good way to meet and socialise with other members, especially over the breaks for a "cuppa".

The Club applied for and received a renewed Permit to Operate for the WMR recently. The new permit is attached to the current ADR registration form in the Clubhouse and a copy is also in the members section of the ASME website. Also an updated membership list has been added to the website – check it out and if any errors are spotted, please let the Secretary know by email to [info@asme.org.nz](mailto:info@asme.org.nz)



Hasn't the winter weather produced a lot of rain, especially over the long weekend?

Here is an unusual picture from MLS's Queen's Birthday Weekend activities showing Dave Watt's latest NZR Wf class in action with Corban Fray driving. The passenger has got the right idea about keeping his feet dry, but I hope that he's not phoning for a tow truck; with a nice big Wf in front, it's not likely to be needed!

Picture sent in by Grant Anderson, photo by Jack Still



## **The Writer Automaton, Switzerland**

A 240 year old doll that can write, a clockwork creation by Pierre Jaquet-Droz, a Swiss watchmaker. The doll is able to write any custom text up to 40 letters long, and it uses a goose feather to write, which he inks from time to time, including a shake of the wrist to prevent ink from spilling. His eyes follow the text being written, and the head moves when he takes some ink. You can view this doll in person at the Muse d'Art et d'Histoire of Neuchtel, in Switzerland.

**Ron Copeland** has sent this in, thought it might be interesting.

Ron says: "I know this video has been around for a while but thought it might be of interest to some of our members who may not have seen it."

The Swiss had/have some genius mechanical engineers and craftsmen.

Swiss-made watch movements that are still among the best today.

A 240-year-old doll; you will most likely never have seen anything like this before.

Watch the doll's eyes as he writes with a pen on the paper.

This video will fascinate just about all the engineers, artists, clock makers, doll makers, computer programmers, want-to-be inventors or basically anyone out there that likes to tinker.

This is far more than tinkering. When you view this, think computers.

Enjoy. It is truly amazing and remember, this was built in the 1770s.

<https://www.chonday.com/15454/the-writer-automaton/>



## Bits and Pieces 5th June 2018

Presented by Mike Banks, report and photos by Dave Russell

This fine replica pistol was made by a member's father in 1968. It works just like the original. Included was the black powder container in brass and the iron mould for casting the lead balls.



**Greville Wills** fashioned this small hex shape into the end of a piece of copper tube, reason behind this was that he had nothing else to hold and stop the nut turning on this bolt that was hidden way inside a piece of machinery.

This nice ER32 collet chuck was recently purchased from Banggood.com in China by **Peter Woodford**. Peter was surprised at the accuracy of the piece for the price paid: shipping to NZ was free of course.

The assortment of fittings in the same photo are to show that L/H threaded fittings are usually made with a groove around the points of the hex to indicate a L/H thread. Though it seems that this does not always hold true. The air line coupling fitting is R/H thread!

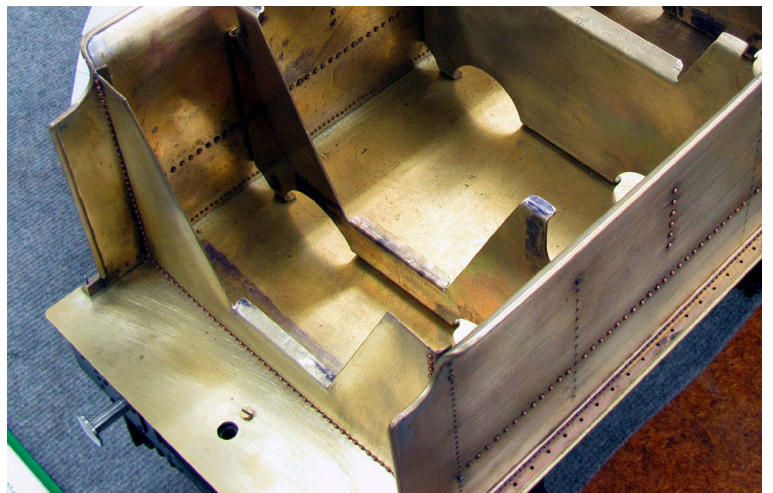






These nifty security cameras, displayed by Greville, are to be installed at the clubrooms and associated buildings mainly for security purposes, but also to help resolve issues where users of the clubrooms do not turn off or put away essential club property. Repeated requests to various users have not been addressed, so the cameras should help identify those who need reminding.

After the bits and pieces, **Mike Banks** gave a very riveting talk and demonstration of riveting. Mike spent his entire career in the aircraft industry and has probably fitted more rivets of various sizes, shapes and materials than most of us have ever imagined. Mike brought along some demo pieces for members to "have a go". He explained that the most important thing to remember is that the protruding stock of the rivet to be riveted should be  $1\frac{1}{2}$  times the diameter of the rivet. Secondly a fair variety of rivet snaps and dollies should be available to enable adequate support to the rivet head in tight spots. Before proceeding with riveting the two pieces to be riveted should be closed together with the rivet in place using a hollow punch. With some practice outstanding results can be produced. Thanks to Mike for passing on some of his vast knowledge to those present. The most valuable thing I learned from Mike was that the rivets do not have to look perfect on the inside of the job to perform the job adequately.



---

# Model Trains, Boats & Planes Show

[Whangaparaoa Hall](#), The Plaza, 719 Whangaparaoa Rd, Whangaparaoa Peninsula, Auckland

Saturday 7 July 2018 10:00am and Sunday 8 July 2018 10:00am



+ My List

f Share

🐦 Tweet

📧 Share

## When:

Sat 7 Jul 2018, 10:00am–4:30pm 📅

Sun 8 Jul 2018, 10:00am–4:30pm 📅

## Where:

[Whangaparaoa Hall](#), The Plaza, 719 Whangaparaoa Rd, Whangaparaoa Peninsula, Auckland

Get the full story: follow this link:

<https://www.eventfinda.co.nz/2018/model-trains-boats-planes-show/auckland/whangaparaoa-peninsula>



# EXPO NEWS

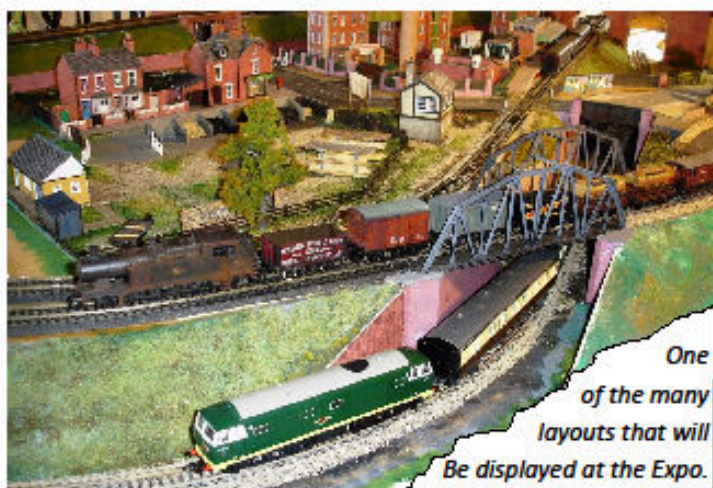


News and information for visitors and exhibitors at the

## 23<sup>RD</sup> TAUPO HOBBY EXPO

Issue # 2

June 2018



This is the second of three Newsletters providing the latest news and information to all who may be interested in visiting or exhibiting at the 2018 Taupo Hobby Expo.

Once again we have a number of first time exhibitors and trade stands at the show. These include the Taupo Radio Control Car Club and Taupo 4 Wheel Drive Club, and from out of town Alf Stubbs Model Mining display from Huntly and the Swiss Narrow Gauge Railway group from Ngongotaha. We hope you all have a successful and enjoyable weekend, and return for many years to come.

Hopefully the powers that control our weather will be kinder than last year, when a cold southerly blast caused the closure of many roads around the central North Island as well as the Napier - Taupo Highway the day before the Expo. Many of our exhibitors journeys were far longer in terms of both time and distance than expected, but virtually all made it here to ensure another successful show. We hope that you do not have to go to so much trouble this year.

### Can you help us?

The Taupo Model Railway Club is committed to keeping the cost of admission to the Expo at a reasonable level, and it is only through the support of our major sponsors, Peter Smith, owner of the Starlight Cinema Centre, and The Lion Foundation that we can run the exhibition. Advertising takes up a significant part of our costs, and we are always looking at alternative ways to publicise the event.

Page 3 of this newsletter is an advertising flyer for the Expo, and if you have access to a shop window, or workplace or clubroom notice board, please print it out and help introduce the event to a wider audience.

Printed copies of the flyer can also be supplied,

contact me at [grahampeacock@xtra.co.nz](mailto:grahampeacock@xtra.co.nz), or phone 07 378 9722.



**TAUPO MODEL RAILWAY CLUB**

**In conjunction with**



**Proudly present the**

**2018**

**HOBBY EXPO**

**Saturday, 14 July 2018, 10 am - 5 pm**

**Sunday, 15 July 2018, 10 am - 3 pm**

**TAUPO EVENT CENTRE**

*(A C Baths Avenue, adjacent to AC Baths)*

**Adults \$10.00, Children \$5.00, Family Pass \$20.00**

**Model railways, toys and hobbies, trade stands and  
free entertainment for the kids.**

**Refreshments, EFTPOS available.**

# Nelson Society of Modellers 60th Anniversary & Open Weekend. October 20th-22nd



NSM are celebrating our 60th Anniversary this coming Labour Weekend, so all members & visitors from other clubs are cordinally invited to come along & celebrate with us. We aim on having plenty of fun, so make sure you bring plenty with you.

If you are coming along with a Steam Loco, please ensure you bring a current boiler certificate & a valid drivers license.

We have 2 1/2, 3 1/2, 5 & 7 1/4 gauge tracks on our raised track & 7 1/4 on ground track.

for registrations, please email Collin Batt at [colsrailway@gmail.com](mailto:colsrailway@gmail.com), ph 0212424777. Or Reece Cobb, ph 0278697756 [rhyscobb@gmail.com](mailto:rhyscobb@gmail.com)

If you have any specific dietary requirements, please advise Collin when registering.

**Saturday 20th** - Private run for members & visitors from 10AM-4pm, followed by a barbecue dinner. A night run open to the public will follow from 6.30PM-9.00PM.

**Sunday 21st**-11AM-4pm open to public running, followed by a catered dinner. (TBA)

**Monday 22nd**-1-4pm open to Public running.

The clubrooms & sheds will be open earlier than the times above, so if you want to help set up & have some fun on your trains earlier then you are most welcome.





## Stolen Loco



### Manawatu, Taranaki, Whanganui-Ruapehu Police

June 20 at 2:45 PM

Between the 17th of May and 3rd of June this year the Tokomaru Steam Museum has been burgled and a rare model locomotive has been stolen.

This locomotive "BRITANNIA LOCO" weighs approximately 100 kilos so stolen for a purpose but seems an odd thing to steal.

Police are very keen to recover the locomotive and return it to its place within the Tokomaru Steam Museum.

Any information which can help recover this rare item can be passed to your local police station or anonymously to the Crime Stoppers on 0800 555 111.