

# TMMEC NEWSLETTER

## February 2024



Located at the Memorial Park, Tauranga  
Open to the public Sundays 10:00 to 15:00 with  
half-hour lunch break at about 12:30.  
(weather permitting)

### CONTACT:

The Secretary, PO Box 15589., Tauranga, 3112  
Palmerville Station: Phone: 07 578 7293

**WEBSITE:** [www.tmmec.org.nz](http://www.tmmec.org.nz)

### FACEBOOK:

<https://www.facebook.com/memorialparkrailway/>

### COMMITTEE:

President: Bruce McKerras 022 045 5154

Vice: Regan Olivecrona

Secretary: Warren Karlsson

Treasurer: Sandra Olivecrona

Club Captain: Joanne Knights 020 4190 9567

Committee: Warren Belk Owen Bennett

Russell Prout Ash Thomas

Bruce Harvey

**Boiler Committee:** Bruce McKerras,  
Owen Bennett, Ross Campbell

**Safety Committee:** Warren Karlsson ; Bruce  
Harvey ; Bruce McKerras ; Russell Prout.

**Editor:** Chris Pattison 021 231 6612  
[Ytrose2@gmail.com](mailto:Ytrose2@gmail.com)

**Club Calendar** Max Donnelly

**Website creator:** Red Eye Designs

Editor: Joanne Knights

**Computer:** Owen

**3D Printer:** Russell

### CONVENORS:

**Workshop:** Regan Olivecrona

**Track:** Bruce Harvey John Stent

**Librarian:** Chris Pattison

**Rolling Stock:** Bruce Harvey

**MEANZ Rep.:** Russell Prout

### Up and Coming Events.

Rotary Book Sale – 1<sup>st</sup> – 3<sup>rd</sup> March. Harvard Way,  
Mt Maunganui. Contact Ken.

Frankton Thunder Festival– March 10<sup>th</sup>, Hamilton  
09:00 to 15:00. [Facebook.com/franktonthunder](https://www.facebook.com/franktonthunder).

Hamilton Open Weekend – March 16 & 17, 10:00  
to 15:00

Keirunga Park Railway Easter Open Weekend –  
March 29 to 1<sup>st</sup> April. [www.keirungaparkrailway.org.nz](http://www.keirungaparkrailway.org.nz)

North Island Rail Adventure, Glenbrook Vintage  
Railway 2 to 11 April 2024. See [www.gvr.org.nz](http://www.gvr.org.nz)  
(I saw this and thought I would bring this to  
members attention. I have no connection  
otherwise)

EMEX in Auckland, 28 – 30 May 2024.

Steam N' Steel International Convention in  
Hamilton. 9 – 15 January 2025 – [www.hme.co.nz](http://www.hme.co.nz)



## In memory of Peter McDonald-Jones

### Peter with “Virginia”

From before age 16, when he was accepted as an apprentice into the NZ Government Railways Otahuhu Workshops, it could be said that Peter lived and breathed steam locomotives.

Until his untimely passing late last year, Peter was heavily involved with “railways”. Not only was he a foundation member of our club (1st July 1979), he was also a founding member of the Glen Afton (Huntly) Bush Tramway at Pukemiro, and led the restoration of the 1887 Avonside built L class 2-4-0T Engine Number 508, at the Tauranga Historic Village, prior to it moving to Shantytown, where it operates to this day.

He was also a founding member of the Tauranga Citizens Club and President of his other love, the NZ Vauxhall Car Club.

From chasing trains for photographs, setting up a track in his Auckland home driveway for all the neighbouring kids to enjoy, to assisting at the Panmure Basin miniature railway, Peter just LOVED trains

Forming a friendship, with other like-minded fellow railway workers, to found the club we know today, Peter, Bev and family finally settled into Omanawa in 1994, thereafter taking on the Club Presidents role and overseeing all subsequent staged club track expansions.

Only after the last extension was built, including two new trestle bridges and embankments, did he finally relinquish the position of Club President - an unprecedented and continuous dedication lasting 23 years, however remaining as the club’s MEANZ Representative and Boiler Inspector.

Peter’s immense knowledge of all aspects of railways and more especially steam, was imparted to all budding miniature locomotive builders. He ensured that any club boiler built met his stringent requirements to gain and operate with a recognised Steam Boiler Certificate.

Nobody would have been more satisfied than Peter, when the Club won the Supreme Award at the 2016 Trustpower Tauranga Community Awards, an acknowledgment of the impact the club has upon the local public who flock every Sunday for a train ride!

Peter was an unassuming gentleman and always reiterated it was the club and all the members, not just himself, that have made and created the club we have today.

Thank you Peter.

From all the members of the Tauranga Model Marine and Engineering Club.

#### **President Report**

There is no report this month. The President has taken a break.

#### **Club Captain Report**

No report this month.

#### **LIBRARY CORNER**

Index to Model Engineering Workshop until issue 240:  
<https://www.homews-mew-index.co.uk/index.html>

Another index to Model Engineering workshop until current is here:

<https://docs.google.com/spreadsheets/d/1TsprhDUivE1Y0ELw6bZTsp6qucOFq2ay/edit#gid=1100053147>

Finally, here is a searchable database for ME and also EIM.

<https://www.itech.net.au/modelengineer/>

If anybody wants the spreadsheet of our library collection, please contact me for a copy.

### Recent library additions:

Model Engineer, Volume 231, June 2023 – Dec 2023

Bookworm.

### Editorial

Dear Ferroequinologists,

Further on, please note Owen's article on the new club computer and the CAD packages that have been installed onto it.

Personally, I learned drafting the old fashioned way and still occasionally bring out my drawing board and equipment for a small job. I certainly get satisfaction from this. Old habits die hard.

But I would still like to learn more about CAD and what it can offer. The biggest problem I face is what project to use it for? Maybe a simple job, or even a job or component for the club's benefit?

One thing immediately comes to mind is to draw out a suitable plate or plates for those pitches missing on my dividing head. That should be relatively easy and produce concrete results.

And using 3D printing could open up new doors. Depending on the material used, lots of options are available, such as lost wax casting, making patterns for repeatable items. The list goes on.

. - Cotter Pin

### WEBSITE

Our new website is live. Joanne will upload stuff to it regularly. Send any contributions, photos, etc to her for inclusion. (The newsletter is also uploaded to it – ED.)

Email: [joanne\\_knights@outlook.com](mailto:joanne_knights@outlook.com)

Website address is:- [www.tmmecc.org.nz](http://www.tmmecc.org.nz) -  
Joanne

### Club Apparel individual purchase.

TMMECC Club Nitro Polos are \$39.95 each, the Logo is \$16.50 and individual Names are \$4. Polos for Men are sized - Small to 5XL - Women sizes 8 to 24. Bucket hats are \$10.50 with the Logo a further \$10. All prices are GST included.

See club member John Stent for assistance if needed



**ACE Embroidery & Patches**

[aceembroidery.co.nz](http://aceembroidery.co.nz)

56b Fifteenth Avenue, Tauranga

Phone 027 55 55 573

Open from 8:00am to 3:30 Monday to Thursday.

### New Members

### SMALLS – FOR SALE/ WANTED:

### SUGGESTIONS AND IDEAS:

### TMMECC CAD DRAWING --- SEEKING

### EXPRESSIONS OF INTEREST --- - Owen Bennett

At a recent General Meeting of members, it was agreed for the Club to invest in a computer, capable of dealing with CAD (Computer Aided Design) Drawing software. So enabling members to learn CAD Drawing, produce DXF files for Laser Cutting objects, and STL files for creating 3D objects, either as working items, or parts for projects. Dimensioned drawings may also be produced for publication through the Newsletter, or emailed to others elsewhere. Introducing a new skill into our model engineering hobby will hopefully inject new life and challenges for our current members, also attracting new and younger members to our wider hobby.

We now have a suitable Computer, with CAD software installed. Fusion 360 was suggested as suitable, being free (with restrictions) but is still has to be organised.

The club has also approved the purchase of a 3D Printer, a suitable model still to be decided upon by the committee in the near future.

A legitimate copy of SolidWorks, supplied by a club member is already installed. Owen has completed a Level 3 SolidWorks Polytech course 10 years ago but memory has dimmed somewhat. He still has the Course material available. A small number of other club members are proficient with this program.

Learning 3D CAD requires time and effort. The journey satisfies the pleasure of learning new skills required to create a solid models of your ideas or mechanical projects, similar to learning other computer programmes, like word processing, etc. CAD programmes can change 2D drawn objects into 3D solid models. Anything you can see or imagine can thereafter be laser-cut or 3D printed. All CAD programmes work similarly, so once you understand

the “Features” of each programme you are well on the way to producing CAD Drawings.

Both Fusion 360 and SolidWorks are available for hobbyists to download to your own computer but the downloaded version of SolidWorks is unlikely to be compatible with the club’s installed version. (Ed – I have done so on my home computer, but have yet to try it out.)

Also installed is FreeCAD an Open Source programme, similar in capability to SolidWorks, under development for the last 20 years or so, and already very good. Owen has been using this for some years. FreeCAD is freely available to download, the current stable version is 0.21. Available for Apple, Windows, and other platforms. The first complete version is soon to be released.

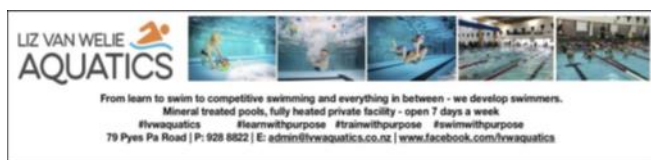
Microsoft Publisher, as part of MS Office, offers 2D drawing for less complex projects, a quicker means of achieving accurate drawings. Owen has also used Publisher’s capabilities extensively for his Phantom and Little Phanny projects, also other projects. He prefers to produce drawings to actual size for direct ruler measurements.

Makerspace in Tauranga, is well equipped and can do custom jobs with a sizeable Laser Cutting machine to cut a wide variety of media - 3mm plywood, plastic, MDF, etc. to produce your creations very cheaply.

I have a project in mind. A 3.5inch laser-cut and 3d printed battery operated locomotive for use on the raised track. Exciting!

It is envisioned that designated Tuesday evenings would be an appropriate time to have hands-on lessons on CAD. Other days and times could be organised by arrangement.

Owen is happy to discuss with you in person, or by email: [owenb41@outlook.com](mailto:owenb41@outlook.com)



## Interesting Stuff

You may be familiar with monorails where the train hangs from a single rail, such as in Wuppertal, Germany.

<https://www.youtube.com/watch?v=F4KZLcvMQWg>

But are you aware of a monorail that ran on a single rail in the ground? This is the Brennan Monorail.

<https://www.youtube.com/watch?v=kUYzuAJeg3M>

I wonder if any one of our Model Engineers could build this as a challenge?

Here we have some steampunk vehicle contraptions. I admire the ingenuity of these people, as well as their construction ability. I wonder if any of the boilers are really in operation.

<https://www.facebook.com/watch?v=1089575185817972>

Steam Motorcycle:

<https://www.facebook.com/watch?v=396191416156525>

If the track is not in the right place, just move it!

<https://www.facebook.com/watch?v=331368399819944>

Romney Hythe & Dymchurch Railway · <https://www.facebook.com/100003485451544/videos/1593976324476886/?idortvanity=2249353424>

For Garrett lovers

<https://www.facebook.com/HistoricSteamGiants/videos/1699590577538845/>

<https://www.facebook.com/HistoricSteamGiants/videos/3538194003121861>

<https://www.facebook.com/HistoricSteamGiants/videos/255569980904145>

Full steam ahead over the viaduct:

<https://www.facebook.com/watch?v=1115010406339754>

## Tuesday Evening Meeting –

The last club meeting was chaired by Russell, who also brought with him a large light unit, which he had borrowed to measure up, apparently off an old locomotive.





details of that club. See:  
<http://www.pnmec.org.nz/meanzmap.htm>

- Auckland Society of Model Engineers** - [www.asme.org.nz](http://www.asme.org.nz)
- Cambridge Model Engineering Society Inc.**  
[www.cmes.org.nz/](http://www.cmes.org.nz/)
- Christchurch Live Steamers** - [www.clstrains.co.nz](http://www.clstrains.co.nz)
- Canterbury Society of Model Engineers** - [www.csmee.org.nz](http://www.csmee.org.nz)
- Hamilton Model Engineers**  
 - [www.hme.co.nz](http://www.hme.co.nz)
- Hutt Valley Model Engineering Society** - [www.hvmes.com](http://www.hvmes.com)
- Kapiti Miniature Railway Association** - [www.kapitirail.org](http://www.kapitirail.org)
- Havelock North Live Steamers** - [www.keirungaparkrailway.org.nz](http://www.keirungaparkrailway.org.nz)
- Manakau Live Steamers** - [www.manakaulivesteamers.co.nz](http://www.manakaulivesteamers.co.nz)
- Marlborough Associated Modellers Society** - [www.mams.org.nz](http://www.mams.org.nz)
- Nelson Modellers** - [www.nelsonmodellers.org.nz](http://www.nelsonmodellers.org.nz)
- Otago Miniature Road and Rail Society** - [www.omrr.org.nz](http://www.omrr.org.nz)
- Otago Model Engineers Society** - [www.omes.org.nz](http://www.omes.org.nz)
- Palmerston North Model Engineering Club** - [PNMEC@trains.net.nz](mailto:PNMEC@trains.net.nz)
- EBOP Society of Model Engineers, Whakatane**  
 - [www.riveredgerailway.org.nz](http://www.riveredgerailway.org.nz)
- South Canterbury Model Engineers Society** - [www.south-canterbury-model-engineers.org](http://www.south-canterbury-model-engineers.org)
- Whangarei Model Engineering Club** - [www.wmec.org.nz](http://www.wmec.org.nz)
- MEANZ:** - [www.meanz.org/](http://www.meanz.org/) [meanz.org/](http://meanz.org/)

### Duty Operator Roster

Date	Duty Operator
25th February 2024	Bruce McKerras
3rd March 2024	Russell Prout
10th March 2024	Stewart Walker
17th March 2024	Bruce Bocock
24th March 2024	Bryan Fitzpatrick
31st March 2024	Jason Flannery
7th April 2024	Bruce Harvey
14th April 2024	Warren Karlsson
21st April 2024	Joanne Knights
28th April 2024	Bruce McKerras

We are still looking for more volunteer Ticket Sellers. Enjoy meeting the public and their family. If only every second month, or jump in as casual relief. Please contact [warren.karlsson@xtra.co.nz](mailto:warren.karlsson@xtra.co.nz) .

### SPONSORS:

Our thanks to those companies who sponsor us –



Also:

### Mainline Steam Heritage Trust:

<https://www.mainlinesteam.co.nz/>

If I have missed any out, kindly advise me of whom and their details.

See also the newsletters from other clubs as posted by Warren, and printed copies in the clubhouse.

End of the Line



### LINKS TO OTHER CLUBS:

MEANZ has a listing of affiliated clubs on its website. It is in the form of a map showing the various locations of each club. If you click on a location, it will give you

# TMMEC CLUB CALENDAR 2024 V1.1

	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T								
JAN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
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MAR				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
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JUNE						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
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NOV						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
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<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #008000; margin-right: 5px;"></span> Sunday Running 10am - 3pm</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #00FFFF; margin-right: 5px;"></span> Club Play Day</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #ADD8E6; margin-right: 5px;"></span> General Meeting 7pm</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #ADD8E6; margin-right: 5px;"></span> Engineering Tuesday 7:30pm</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #FFD700; margin-right: 5px;"></span> Open Weekend</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #FF8C00; margin-right: 5px;"></span> AGM</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #A9A9A9; margin-right: 5px;"></span> Committee Meeting 7pm</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #FFC0CB; margin-right: 5px;"></span> Christmas Party</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #DDA0DD; margin-right: 5px;"></span> Matariki Night Run 28th June</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #DDA0DD; margin-right: 5px;"></span> Halloween Night Run 2 November</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #FF0000; margin-right: 5px;"></span> CLOSED/CANCELLED</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #FFFF00; margin-right: 5px;"></span> Hamilton Open Weekend 16-17 March</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #FFFF00; margin-right: 5px;"></span> Manukau Open Weekend 1-3 June</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #FFFF00; margin-right: 5px;"></span> Keirunga Park Open Weekend 25-28 October</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #FFFF00; margin-right: 5px;"></span> EBOP (Whakatane) TBC</li> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: #FFFF00; margin-right: 5px;"></span> Mana Ariki 28 - 30 June</li> </ul>
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