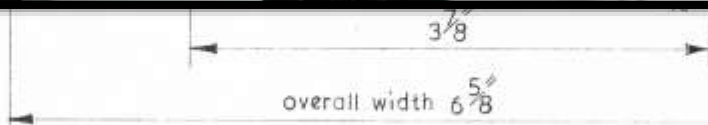


# Wheels & Floats

September 2024



**Tauranga Model Marine and Engineering Club Inc.**

## TAURANGA MODEL MARINE AND ENGINEERING CLUB INC.

The Secretary  
PO Box 15589  
Tauranga 3112

Miniature Railway Memorial Park  
Open to Public, weather permitting  
Sundays : 10am to 3pm approximately

Palmerville Station Phone 578 7293

Website: [www.tmmec.org.nz](http://www.tmmec.org.nz)  
Facebook: Memorial Park Railway Tauranga

### MEETINGS

General Members Meeting every first Tuesday  
7pm.  
Committee Meeting every second Thursday at  
7pm.  
Maintenance Tuesday mornings from 9am.  
Engineering discussions Tuesday evenings  
7.00pm.

### COMMITTEE

President: Bruce McKerras 022 0455154  
Vice President:  
Club Captain Joanne Knights 020 41909567  
Secretary: Warren Karlsson 025 5422863  
Treasurer: Jason Flannery 021 629038  
Committee: Russell Prout, Bruce Bocock,  
Warren Belk, Bruce Harvey,  
Owen Bennett, Stewart Walker.

**Club subs are now over due.**

**Full member \$30.00**

**Country \$18.00**

**Junior \$6.00**

Westpac 03-0435-0461711-00

Please ensure your name is in the refer-  
ence line and the word subs(cription).

### CONVENERS

Boiler Committee: Owen Bennett, Bruce  
McKerras, Ash Thomas, Ross Campbell.

Safety Committee:

Warren Karlsson, Bruce Harvey,  
Bruce McKerras, Russell Prout

Workshop: Owen Bennett, Brian Marriner

Drivers Licencing : Bruce McKerras

Track: Bruce Harvey, John Stent,  
Russell Prout

Librarian: Chris Pattison

Rolling Stock: Bruce Harvey

Track Managers : Bruce Harvey, John Stent,  
Russell Prout

Website: Chris Pattison, Peter Davies

MEANZ rep Russell Prout

Editor: Roy Robinson 07 5491182  
[royrobkk@gmail.com](mailto:royrobkk@gmail.com)

**Cover photo :** One of the several models on display inside Ian Welch's house



## Presidents Report September 2024

This month a good number of us went down to the Wairarapa to see Richard Taylor's amazing property and private railway. His track meanders through his gardens full of really cool statues and art creations. I have no doubt that Roy took loads of photos. Roy's group also went to Stephenson's Tokomaru Steam Museum on the way down south. Basically, each group that went down on the trip went and saw the places that most interested them. Russell and I went back via Mainline Steam, it was really interesting to see some real progress there. On my first visit there were engines with boilers, running gear scattered and carriages getting serious restoration work on them. This trip there were really smart freshly painted engines, and carriages all just itching for a track to run on. I can see that there will be excursions coming up when Ian Welch and N.Z.R. get on top of the politics. It is really commendable what Ian and his team have achieved down there.



One fear that I had with a lot of members going on the trip south was that there wouldn't be enough people around to run our Sunday operation, however, we survived. Thank you to those who went down there and helped.

An interesting side issue that came up through the month was that two people phoned me and suggested we need a new club loco (or two), we are relying very heavily on Russell's loco at the moment.

So, here is a log of this past month's happenings.

**Sunday 11th August** – A nice day with lots of helpers. 1003 rides for the day and we also had a visit from John Nichol.

**Tuesday 13th August** – Maintenance morning, Warren B doing was hold down studs to the new piece of track. Warren K was working on the speedos for the electric locos and there was the usual re-fuel of engines, etc.

**Tuesday 13th August** – CAD Night. The usual gang turned up; Chris P got some tutoring from Russell.

**Sunday 18th August** – Rained off.



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**Tuesday 20th August** – Maintenance morning, Bruce H was back from his overseas wanderings so we had a good catch up on all his adventures. Brian M was beavering away on curbing, Russell and Owen did some work on the 3D printer.

**Tuesday 20th August** – Evening meet-up, Chris P and Russell were using the 3D printer and lots of cups of tea were drunk.

**Thursday 22nd August** – We got a letter from Worksafe today regarding our incident confirming that no intervention was needed on their part.

**Saturday 24th August** – Cambridge Night Run this evening, it was raining on the way over but the weather was amazingly clear and dry when we got there. Russell, Ethan, Joanne, Ben and my good self worked hard as usual, it was a very busy night and we were well looked after and well fed. There is another night run coming up at Cambridge on Saturday 28th September, if any one is interested in heading over there it is a good night. Sunday 25th August – I was DO today, it was a nice day weatherwise and we had a busy morning. The day was notable for a visit from Mark and Ollie Duncan (ex-members who now live in Blenheim). Ollie is even taller now than he used to be.

**Tuesday 27th August** – Raining hard for maintenance morning. Engines were refuelled, etc. A dedicated power plug was fitted to run the 3D printer, so we can now return to turning off the main power when we leave the clubrooms.

**Saturday 31st & Sunday 1st September** –

This was the weekend that a group of members were down south, Ethan and I stayed with Regan and Sandra at their new house in Fielding. We were joined there by Russell and family – a nice roast for tea! On the Saturday we headed off to Martinborough and visited Richard Taylor's track and amazing statues, good to see some familiar faces. We spent Saturday night in Martinborough, went to the pub for tea, a great night and great company. On the Sunday we went over the hill to Mainline Steam, great progress on Ian's locos. I found the workshop really interesting, huge gear, lathes, mills, etc. Not a D.R.O in sight. Ian also seems to be wearing down the politics with N.Z.R. After that it was the long journey home. Thank you to Ethan for helping out with the driving. Sunday Running – Thank you to those who turned up to run the track for the day. From what I gather it was a fairly quiet day with 800 or so rides. I think we were lucky that it was not too busy, but there was a good team there. Bruce H was DO for the day.



**Tuesday 3rd September** – Club Night. It was an interesting meeting, lots of projects and items on the front table including a largish model boat brought in by Dave (our new member) with a 3D printed jet unit.

**Sunday 8th September** – Russell DO, nice day. Aims games was on this weekend and there was no parking. I was fearful that we would not get any customers, but we were busy. All locos and carriages were out earning their keep. I was really pleased to see Steve from the Cambridge club over for a visit. He signed up as a member so we may see him more often (we put him to work of course ☺). We had another new team member come forward, Breyanna who wants to help out – Welcome Breyanna.

An absolute shambles of a close down as we had a birthday party turn up at 3:00 (so 2 laps) and everyone trying to close the track gates.

**Tuesday 9th September** – Special group this morning, thank you to Warren K for organising this. Brian M was busy doing concrete boxing.

**Tuesday 9th September – Evening**, Phil Adnitt and Owen on CAD instruction, 3D printer in use and

### **Committee Meeting**

Team, I am off to Perth on 25th September, home on 3rd October. So, I won't be here for the next Club Night.

There are three new members this month – Great!

MEANZ Skype meeting on 30th September to discuss the age of youth drivers.

Russell improved track end device for turntable and talked about the new raised track mods.

Again Russell – broached the topic of the hole under the turntable in the steaming bay.

Water filter in the clubroom needs changing.

Discussion on the need for new locos for the club.

Introduction of our new safety valve tester (sort of).

Next night run date decided on – Halloween Run on Friday 1st November.

The need for a future plan for the club discussed.

Jigger will be donated to Bruce H (who supplied the motor) – with the idea of Warren B and team to take on a project.

Jerry P has made a wall plaque for us for the past club presidents. Thank you, Jerry.

Constitution rewrite team gave a report on the progress so far.

And that is it for this month. I am off to Oz shortly,

Cheers,

**Bruce**

**TAURANGA MODEL MARINE AND ENGINEERING CLUB INC**  
**Operators Roster to end 2024**

Date	Operator
15th September 2024	Stewart Walker
22nd September 2024	Bruce Bocock
29th September 2024	Bryan Fitzpatrick
6th October 2024	Jason Flannery
13th October 2024	Bruce Harvey
20th October 2024	Warren Karlsson
27th October 2024	Joanne Knights
1st November 2024	tba
3rd November 2024	Bruce McKerras
<b>9th November 2024</b>	Russell Prout
<b>10th November 2024</b>	Stewart Walker
17th November 2024	Bruce Bocock
24th November 2024	Bryan Fitzpatrick
1st December 2024	Jason Flannery
8th December 2024	Warren Karlsson
15th December 2024	Joanne Knights
22nd December 2024	Bruce McKerras
29th December 2024	not open

Labour Weekend  
Halloween Night Run - Friday 1st Nov  
Annual Open Weekend 9-10th Nov  
Annual Open Weekend 9-10th Nov

**From the Cave at Katikati**

**Question :** If you were looking at a “Nahnorm 100” Chart what industry or profession would you be involved with????????????????

Now don't rush off to Dr Google, do some Sherlock Holmes detective work!!!!!!!!!!!!

Answer next month :

Many thanks to those who supplied articles or pics for this months mag. At the risk of rabbiting on “remember this is your Clubs mag not mine, I only assemble the information”. Please keep forwarding articles to me.

How about a Club trip to A & G Price's at Thames on a Saturday hopefully when they are operational? Any starters????????????? Has any one got any contacts there???

**Roy**



# Captain's Report – September 2024



Hi Team,

This past month has seen several of our members head South to visit two private rail-ways/collections. We also had a Play Day on Saturday 7<sup>th</sup> September which saw a group of us running around the track, including Owen on his Phantom and Ben and Llewellyn making the most of an opportunity to drive the club locos. Play Day also saw new faces in the clubhouse and around the track in perspective new members, which was great to see.

Looking forward, we have a few events coming up in the near future:

**October Play Day:** Saturday 5<sup>th</sup> October. The track will be open for use with the opportunity for younger members to drive. Time to get your engines out in the spring weather.

**Halloween Night Run:** It was decided that Friday 1<sup>st</sup> November would be the best night to hold our night run. It will give us a day off before the normal Sunday running. We will have our trains running 5:30pm – 9:30pm, a bit later than Matariki but gives more time for running in the dark to make the most of the Halloween decorations. We will set up as normal in the early afternoon and have a bite to eat and a safety briefing. If you can help out it would be really appreciated ☐. Don't forget your costume!

**Open Weekend:** The second weekend of November (Saturday 9<sup>th</sup> & Sunday 10<sup>th</sup>) is our Annual Open Weekend. Get your projects and toys ready for display ☐.

There will be no play day for November as we have night run and open weekend.

Jo

Jason and Bianca go for a ride  
on Ian Welch's track



## Humour :

Adam was walking around the Garden of Eden feeling very lonely, so God asked him "What's wrong with you?"

Adam said he didn't have anyone to talk to. God said he was going to give him a companion and it would be a woman. God said, "This person will cook for you, wash your clothes, she will always agree with every decision you make. She will bear your children and never ask you to get up in the middle of the night to take care of them. She will not nag you, will be the first to admit she was wrong when you've had a disagreement. She will never have a headache and will freely give you love and compassion whenever needed."

This sounded pretty good to Adam who asked God, "What will a woman like this cost?"

"An arm and a leg," replied God.

Adam thought for a while and asked, "What can I get for just a rib?"

**The rest as they say is history!!!!**



"All I said was, "Someday this will be all yours."

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## Library Information

Following the demise of the "Engineering in Miniature" magazine, the Committee has agreed to subscribe to an American magazine called the "Machinist's Workshop". This is published on a two monthly basis, unlike others such as "Model Engineer" which is published on a fortnightly basis, others monthly. The first issue is available in the club in a transparent folder. Please do not remove from the clubhouse, but have a read through it, and copy any article of interest. It provides us with a different slant to our hobby compared to that of the UK. Your opinion on this magazine is invited.

Furthermore, Warren K has donated a whole pile of books that he has been given. Included in these are a number of books on the Heat Engine, or Stirling Cycle engine, which is somewhat different to what we are usually familiar with. The titles that have been added to the library are as follows. If you wish to take out any books from the library, you are welcome to do so, just please fill out the record book:

- 944 Heat Engines (Teach yourself books)
- 945 Miniature Ringbom Engines
- 946 Rider and Ericsson Hot-Air Pumping Engines (reprint)
- 947 An Introduction to Stirling Engines
- 948 John Fox Jennens Malone - The Liquid Stirling Engine
- 949 Robert Stirling's Models of the "Air Engine"
- 950 Stirling Engine Projects, Volume 1
- 951 Glyn Valley Tramway Locomotives (16mm scale drawings)
- 952 A Passion for Steam
- 953 Garratts & Kalaharis of the Welsh Highland Railway
- 954 Anatomy of a Narrow-Gauge Baldwin
- 955 Steam in Africa
- 956 The evolution of the Heat Engine
- 957 Model Engineering, a Foundation Course
- 958 Building Small Steam Locomotives (A guide to Garden Gauges)
- 959 Designing and Building a miniature Aero-Engine
- 960 The Dividing Head & Deluxe accessories
- 961 A Treatise on Gear Wheels
- 962 The Milling Machine (Build your own)
- 963 The Metal Shaper (Build your own)
- 964 Experimental Flash Steam
- 965 Old Stationary Engines
- 966 Mechanics
- 967 The New Science of Strong Materials
- 968 The Engineman's Master Key
- 969 Ways & Means
- 970 Greenly's Model Steam Locomotive Design & Specifications
- 971 Pictoral Handbook of Technical Devices
- 972 507 Mechanical Movements - Mechanisms & Devices
- 973 Ordnance 1900-01

ALSO: Plans for a small dividing head

**Regards, Bookworm**

## Club Trip South August – September 2024

Barb and I left to go to Palmerston North on Wednesday 28<sup>th</sup> August stopping to catch up with friends at Oakune on the way and collect what is our usual purchase of carrots, 20kg for \$10.00.

Then to Feilding to see Sandra and Regan in their new (to them) house. Coffee was excellent and I was pleased to unload a very much kit set compressor which was filling the ute so much so I nearly had to courier Barb to Feilding!!!!

I had planned on the Thursday to go to Manawatu Tractor Dismantlers to obtain some parts for my MF135 which I'm doing up. I phoned Josh just to check in and confirm the parts I was looking for when he advised me that he had just sent all his MF 135 parts to Fiji the week before.

( Lesson : Should have phoned him a couple of weeks ago!)

Arranged with Regan to go and visit the Coach House Museum in Feilding in the afternoon cause you can. This is an excellent rural Museum set up in an old wool



spinners building, very long and wide. Tractors, horses, horse equipment, together with the history of the Feilding area and its peoples. We spent some 3 hours inside and still didn't absorb all the exhibits, and were nearly too late for the beautiful dinner Sandra had cooked for us.

(Lesson : You can always revisit but don't be late for dinner).

Friday 30<sup>th</sup>. Regan joined with us to go South. Our first call was to the Tokomaru Steam Museum. This Museum has

had a checkered career, currently in the hands of Damian Groves and his partner Roxanne Eastham who are giving it their best shot to get it up and running as a viable attractive must visit on anyone's "to do list". (An article on the Tokomaru Steam Museum will be in a future mag)

The arranged visit to Ian Welch's private track at his house just off the Wellington end of Transmission Gully was next on the visit list. It is an honor to be included in a group to enjoy the hospitality of people like Ian and Gloria. There is a place for



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everything and everything is in its place. The house is of Spanish style, inside is very tastefully laid out, with model locos in cabinets with supporting paraphernalia, just enough to gain one's interest but not too many that would "clutter" the area. There was about 8 locos in the round house with an American diesel complete with sound card sitting waiting for passengers to go for a ride around the track



which circles the house. The view is just amazing, one could see for miles. Tea, coffee and a bickie was generously provided giving time to wander around and absorb the ambiance of this absolutely beautiful property. Phil Drummond was



DO for the day and capably answered any queries whatever they were also encouraging all to check out the track and go for a ride.

(Lesson : Make sure you have checked which lens you have on your camera).



# MITRE 10

Saturday 31<sup>st</sup> was the visit to Sir Richard Taylor's private track and residence at Featherston. I suggest this property is about 15 acres and was originally the orchard and farmhouse of a much larger property. My theory is based on the size of the many large mature trees compared with the later plantings which has trees of much smaller proportions. Virtually all of the property is professionally laid out and planted. The rail track I was told is approximately 3.2km so it's not hard to get lost or be away for a considerable duration. What makes this property so unique is the placement of statues and cast mythical animals probably from some now redundant film set. These "objects" are from life size to huge. A goblin hiding behind a rock is just plain life size but 3 snails are a metre or so high. Now I'm not at all "arty" in fact I can't even trace around a matchbox but I was impressed just how all of the "objects" are presented. A large hammer head shark swam out from behind a tree, there were crocodiles in the swamp, an eel and nymph in the stream, Hobbitville at a track intersection, a man asleep but watching you with one eye open. The list goes on and on, I walked around the same piece of track 3 times and saw something new every time.

At the back of the station is a Gallery probably some 1500 sqft. It is full once again with a display of life size busts, insects, "objects" probably again from a redundant film set. There are a few locos on display also a steam roller of unusual design. A "stack" of miniature 20ft containers were on the floor one couldn't help notice they even had graffiti all over them, just so realistic.

Bruce and Russell had brought their locos and some ride cars down from Tauranga so that they could tick those tracks off their "to do" list. Two of us jumped on Bruce's consist with Ethan at the controls for the first run. Just as we approached Hobbitville an earthquake hit and we found that the loco was at right angles to the track. I didn't want to get too close to the HOT part so thought it best if I hurried back to the station seeking assistance for Ethan and I should be safe there away from the HOT thing if the earthquake struck again.

Once again our hosts had provided tea, coffee and bickies which was just perfect to enjoy the day. Sadly, it was requested that whilst we were welcome to take photos these were not to be published via the media, that's fine I'm happy to play by their rules, it just means no pics for the Club mag.

(Lesson : Keep clear of HOT things if there is an earthquake).

Sunday 1<sup>st</sup>. Barb & I arranged to meet with Murray, Francine and Ash at the Tram Museum at Kapiti, this is situated just at the Northern end of the Transmission Gully deviation. There are several off ramp options so we decided to check them all out to see just which was the best and quickest. Murray who had already arrived suggested that we were lost which I can assure you was not the case. After purchasing tickets from the Tram ticket office we then had to wait for the Tram



driver (who was the ticket seller) to get aboard together with the ticket collector who clipped our tickets. There was a half hour delay as Barb had put her tickets in a safe place but neither she or the ticket clipper knew where that was. We trundled off down toward the beach passing the American Marines Memorial display on the way. We canned our suggestion to go for a walk along the beach and catch the next tram back because when we stuck our noses out of the Tram we were attacked by a cold Antarctic storm. On our return Murray managed to get an invitation to the workshop of the Tram Museum. Lots of interesting "stuff", one can only respect and admire the tenacity of the volunteers who work continuously to restore these mechanical old monsters. It must be hugely satisfying when once completed they trundle along the somewhat up and down track to the beach and back.

(Lesson : Give tickets to Francine to look after)

We visited the Americans Marines Memorial which is just adjacent to the Tram Station. On the morning of 20 June 1943, more than 30 landing craft carrying Marines from the troop transport USS *American Legion* went ashore at Whareroa Beach, Paekākāriki, an area where US troops had major camps. One vessel carried a navy 'beach party' whose role was to establish landing positions and handle communications. After suffering engine trouble, this craft was being towed back out to sea late that night when it was hit by a huge



wave. One of the survivors later recalled: 'After about 5–7 minutes of being pulled through the pounding waves, we encountered the breaker that capsized our boat and dumped us into the cold, angry sea.' An officer and nine enlisted men died. Owing to Wartime censorship little of even an American presence in NZ let alone this tragic event was known till many years later. An excellent Memorial well maintained, worth a visit.

Next stop was to the Kapiti Model Engineering Society who's members made us very welcome. My knowledge of Model Train tracks is minimal I suggest this track is very constrained for room and development. It's at the top of a ridge and bounded at one end by a road, the other end seems to run into a steep bluff. However Kapiti Members have thought outside the box and have an interesting combination of tunnels and bridges around the station area. Time was ticking on and Murray's team headed for home soon after this interlude. For Barb and I it was back to Palmy.



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Monday I had planned to catch up with Neil Jepsen who has a interesting collection of Master Clocks to suck some more information from him unfortunately he had recently arrived back from overseas complete with Covid so quickly gave that a pass.

Regan had told me that Palmy Council has their own 10 – 12" gauge track (not sure which) which is operated by the Lions Club in a park which happened to be just across the road from our Motel so I decided to check it out. I didn't walk all around the track be it is very well done and evidentially has good locos of the sit in type like Russell's. It is in a beautiful park but being Monday was not in operation.



My next stop was to the business of **Kormax** who are suppliers of Brass, Ali, Bronze, Copper, Cast Iron, Titanium, Plastics, all in various grades. They have an extensive casting capabilities, I suggest these options were commercially targeted as most were overseas. Staff were extremely helpful and more than happy to deal with my \$10.00 enquire and would solicit and welcome enquiries and orders from model engineers.

Phone number is 06 355 1600 and Derek Sands was the contact I was given. Their Business is based at 20 Kaimanawa Street Palmy.

Barb and I drove to Hastings on the Tuesday and caught up with a guy restoring Military vehicles but that's another story, eventually arriving home on Wednesday to recover from a fantastic long weekend away.

Special thanks to Jason and Jo for the development of the Club outing also to those onsite who provided the back up for our visits.



**Roy**

**Part of the American Marines Memorial at Kapiti.**



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Graphic Design   
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## Show and Tell

### Bristol heater tap

Bruce McKerras has made a tap for the heater on his Bristol car - a real work of art.



### Rear axle assembly (rubber tyres and diff)



The diff assembly

Chris Pattison gave a run down on building his new rear axle assembly which also includes a differential. Getting the gears to line up was a work of art. This is the assembly that he moulded the rubber tyres for a couple of months ago.



David Ingley's Jet boat which he built in Australia some 20 years ago.



Continued.....

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## More ..... Show and Tell

- He designed and built the original jet unit which did not survive the initial trials after tearing all the blades off the impellor at high speed. He has since designed and 3D printed another unit. He explained how this worked and the fine tolerances that were needed. This is yet to be installed in the boat and have its first trial. It is incredible that this is all 3D printed, including the impellor. He said he could have bought a commercially made unit but is just having fun designing his own.



**The Jet unit**



**The jet unit nozzle**



Jason and Russell are working on a locking device they have designed to be used on the turn table on the raised track. When the turn table is able to be rotated the handle will be in the raised position with a yellow chevron flag attached. This will warn drivers not to proceed. In the locked position the handle will not be visible.

**Turntable locking device for the raised**

**track**

Peter L brought in an SU carburetor which was definitely in need of some serious attention. The piston, which should have about a 2 thou clearance, has swollen so much that it has completely split the housing.



### **Disclaimer :**

The views and opinions expressed in articles contained in this magazine are those of the author (s) and do not necessarily reflect the policy, position or opinion of the TMMEC or its officials.

# HALLOWEEN FRIGHT RUN

## FRIDAY 1ST NOVEMBER 2024



Trains running 5:30pm-9:00pm

\$2 per person per ride / 12 ride concession \$20  
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












**OPEN!**

Saturday 9am - 3pm  
Monday to Friday  
8am - 3pm

TMMEC CLUB CALENDAR 2024

v1

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Mon	1			1			1						Mon
Tue	2			2			2			1			Tue
Wed	3			3	1		3			2			Wed
Thur	4	1		4	2		4	1		3			Thur
Fri	5	2	1	5	3		5	2		4	1		Fri
Sat	6	3	2	6	4	1	6	3		5	2		Sat
SUN	7	4	3	7	5	2	7	4	1	6	3	1	SUN
Mon	8	5	4	8	6	3	8	5	2	7	4	2	Mon
Tue	9	6	5	9	7	4	9	6	3	8	5	3	Tue
Wed	10	7	6	10	8	5	10	7	4	9	6	4	Wed
Thur	11	8	7	11	9	6	11	8	5	10	7	5	Thur
Fri	12	9	8	12	10	7	12	9	6	11	8	6	Fri
Sat	13	10	9	13	11	8	13	10	7	12	9	7	Sat
SUN	14	11	10	14	12	9	14	11	8	13	10	8	SUN
Mon	15	12	11	15	13	10	15	12	9	14	11	9	Mon
Tue	16	13	12	16	14	11	16	13	10	15	12	10	Tue
Wed	17	14	13	17	15	12	17	14	11	16	13	11	Wed
Thur	18	15	14	18	16	13	18	15	12	17	14	12	Thur
Fri	19	16	15	19	17	14	19	16	13	18	15	13	Fri
Sat	20	17	16	20	18	15	20	17	14	19	16	14	Sat
SUN	21	18	17	21	19	16	21	18	15	20	17	15	SUN
Mon	22	19	18	22	20	17	22	19	16	21	18	16	Mon
Tue	23	20	19	23	21	18	23	20	17	22	19	17	Tue
Wed	24	21	20	24	22	19	24	21	18	23	20	18	Wed
Thur	25	22	21	25	23	20	25	22	19	24	21	19	Thur
Fri	26	23	22	26	24	21	26	23	20	25	22	20	Fri
Sat	27	24	23	27	25	22	27	24	21	26	23	21	Sat
SUN	28	25	24	28	26	23	28	25	22	27	24	22	SUN
Mon	29	26	25	29	27	24	29	26	23	28	25	23	Mon
Tue	30	27	26	30	28	25	30	27	24	29	26	24	Tue
Wed	31	28	27		29	26	31	28	25	30	27	25	Wed
Thur		29	28		30	27		29	26	31	28	26	Thur
Fri			29		31	28		30	27		29	27	Fri
Sat			30			29		31	28		30	28	Sat
SUN			31			30			29			29	SUN
Mon									30			30	Mon
Tue												31	Tue

- |  |   |  |
|--|---|--|
|  Sunday Running 10 - 3pm    |  CAD, 3D Printing, 7pm |  Hamilton Open 16 March    |
|  Club Play Day, Training    |  Matariki Night Run    |  Manakau Open 1 June       |
|  General Meeting 7pm        |  Christmas Party       |  Keirunga Park Open 25 Oct |
|  Engineering Discussion 7pm |  Halloween Night Run   |  EBOP (Whk) TBC            |
|  Committee Meeting 7pm      |  Closed / Cancelled    |  Mana Ariki TBC            |
|  Annual General Meeting     |   |  Cambridge Night Run TBC   |
|  Open Weekend               |   |  |



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