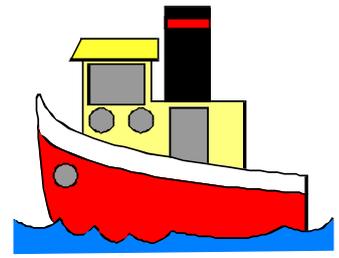




Wheels and Floats



Newsletter No. 334 June/July 2014

TAURANGA MODEL MARINE AND ENGINEERING CLUB

The Secretary
c/o 3 Waipuna Grove
Tauranga 3112
Palmerville Station Phone 07 578 7293

Rail Track ; Memorial Park
Open to Public weather permitting.
Sundays 10.00am to 4.00pm
Website. www.taurangaminiaturerailway.org.nz
or www.tmmec.org.nz

NOTICE OF MEETING

The next general meeting will be on
Tuesday 1st July at 7pm,
At Palmerville Station

Patron:	Noel Pope
President:	Peter Jones (07) 543 2528
Vice President:	Bruce Harvey (07) 548 0804
Secretary:	Owen Bennett (07) 544 9807
Treasurer:	Clive Goodley (07) 572 2959
Editor:	Clive Goodley (07) 572 2959
Email:	goodley@clear.net.nz

Committee:	Warren Belk, Bruce Harvey, John Stent, Bruce McKerras Peter Lindsay. John Nicol. Shane Marshal
Boiler Committee:	Peter Jones, Paul Newton, Bob Batchelor. Bruce McKerras
Safety Committee	Warren Karlsson, Bruce Harvey Brian Kinkaid. Pete Lindsay

Conveners:	Ron Salisbury, Bruce McKerras
Workshop:	Bruce Harvey
Track:	Warren Belk, Ken Fox
Marine:	John Nicol
Librarian:	Clive Goodley
Rolling Stock:	Owen Bennett
Small Metals Store:	Murray De Lues
Website by:	

Operators June/July 2014

15-06-14	R. Salisbury
22-06-14	O. Bennett
29-06-14	E. Evans
06-07-14	B. Fitzpatrick
13-07-14	C. Goodley
20-07-14	B. Harvey
27-07-14	P. Jones
03-08-14	W. Karlsson

Next Committee Meeting, Thurs. 27th June.

President's Points.

Greetings members,

Thanks to those that attended our AGM. I welcome onto the committee Shane Marshall and John Nicol, and thank executive members Ron Salisbury Vice President and Secretary Owen Bennett who have stood down after many years of service in their respective positions, both having contributed a huge amount to our club, thank you from myself and on behalf of our members. Owen has elected to stay on as a committee member, thank you Owen.

Bruce Harvey was elected as the new Vice President and has also taken on the position as Secretary, thank you Bruce. Bruce has been track manager for quite a few years and as yet this position has not been ratified. The safety committee has Warren Karlsson as chairman, committee Peter Lindsay, Malcolm George, Bruce Harvey, Peter Jones and new member Bryan Kincaid. Lloyd Breckon has stood down and I thank Lloyd for his contribution over the years as a safety committee member.

Our boiler committee remains the same.

A milestone was reached last Sunday when the 750,000th ticket was presented to a Papamoa customer, 6 year old Hunter Chapman (no relation to Trev). His Mother, Louise Chapman was presented with a bunch of flowers and a box of chocolates along with a ticket for some complimentary rides by Clive Goodley. The event was recorded by Eddie Evans. I'm sure Clive will have further comment, but it's quite amazing how many passengers we have carried since the first one back in 1984 and how short the time will be before the 1,000,000th passenger is carried, maybe we should run a sweepstake.

Plans for the 2016 convention are well under way with Shane Marshall as the director helped by many. The Les Moore Challenge has been settled and it is to be a competition involving an early designed model fire engine by LBSC. Competing clubs have an opportunity to produce their own style of model within the basic model description and of course there is performance at the fire to add to the challenge.

The details have been sent to all clubs, along with an incentive to compete in the challenge, which is a prize of \$1000 first, \$500 second and \$250 third that will be presented to the winning clubs. The convention committee is meeting each month prior to the general committee meeting, and so if you are interested come along, details will be available as time moves on.

Our track extension is moving in leaps and bounds, the viaduct structure is completed, the embankment preload has been removed and the new track foundation laid, about 120 meters of track in progress, the Southern section existing track that used to flood has been removed and a new foundation is in place, so plenty happening with the intention of having the completed track in use for the open weekend in November. Great work by our members with co-operation from our contractors and great support from our City Council. It's all good news.

Happy Modelling and stay safe.
Peter Jones.



Next-gen tank concept uses thermal system to turn 'invisible'

With drones swarming above the globe's battlefields, you might think the days of traditional artillery are at an end. Drones can carry out precision strikes and provide zero hostages if shot down or captured, it's true. A drone can't match the sheer firepower that a tank offers, however. And if that tank also happens to be invisible to infrared and radar, all the better.

It's thinking like this that has led Poland to develop a tank with the ability to hide in plain sight while still doling out the damage to the opposition: the PL-01. Armed with a 120mm main gun, two

secondary turrets, a coaxial 7.62 machine gun and a remote-controlled weapons station on its roof, this tank is capable of striking targets anywhere on the battlefield.

The PL-01 also features a thermal-and-radar camouflage system that keeps its three-person crew alive as they both fire and re-position themselves. Made up of hexagonal plates, the infrared camouflage system takes heat readings from the tank's surroundings and then actively matches the PL-01's heat signature to map the terrain. To infrared targeting sensors like those mounted on drones and missiles, the tank simply seems to vanish. What's more: the system can also be tailored to your surroundings, tiger striping the tank's heat signature in the forest or making this hulking mass of destruction appear to be just another average car on the road.

Not all of the tank's tech is ready to go just yet, with its first completely functional prototype planned for completion in 2016. Once that vehicle has been tested, the PL-01 will start rolling off the assembly line, theoretically by the decade's end. With a modular weapons system and an entirely unmanned turret, no two of these future tanks will have to look entirely alike — especially where radar and infrared are concerned.

Colin Druce McFadden

When I inserted Presidents Points into the newsletter the photo of the tank did indeed disappear.

Neil Armstrong "The first man to walk-on-the-moon!"

The man in the moon is mythic, but the man on the moon was downright earthy.

In case you didn't already know this little tidbit of trivia...

On July 20, 1969, as commander of the Apollo 11 lunar module, Neil Armstrong was the first person to set foot on the moon.

His first words, after stepping on the moon, "That's one small step for man, one giant leap for mankind," were televised to earth and heard by millions, but just before he re-entered the lander, Neil made the enigmatic remark "GOOD LUCK, MR. GORSKY."

Many people at NASA thought it was a casual remark concerning some rival soviet cosmonaut...

However, upon checking, there was no Gorsky in either the Russian or American space programs. Over the years, many people questioned Armstrong as to what the "Good luck, Mr. Gorsky" statement meant, but Armstrong always just smiled.

On July 5, 1995, in Tampa Bay, Florida, while answering questions following a speech, a reporter brought up the 26-year-old question about Mr. Gorsky and asked Armstrong again. This time, he finally responded, because Mr. Gorsky had died; and so Neil Armstrong felt that he could now answer the question...

So, here is the answer to "Who is Mr. Gorsky?".

In 1938, when Neil Armstrong was a kid in a small mid-western town, he was playing baseball with a friend in the backyard. His friend hit a ball, which landed in his neighbor's yard, by their bedroom window.

His neighbors were Mr. and Mrs. Gorsky. As Neil leaned down to pick up the ball, young Armstrong heard Mrs. Gorsky shouting at Mr. Gorsky, "Sex! You want sex?"

You'll get sex when the kid next door walks on the moon!"

Neil Armstrong's family confirmed this as a true story...

A guy and a girl meet at a bar. They get along so well that they decide to go to the girl's place. A few drinks later, the guy takes off his shirt and then washes his hands. He then takes off his trousers and again washes his hands.

The girl has been watching him and says: "You must be a dentist."

The guy, surprised, says: "Yes How did you figure that out?"

"Easy." she replies, "you keep washing your hands."

One thing leads to another and they make love.

After it's over the girl says: "You must be a good dentist."

The guy, now with an inflated ego, says: "Sure - I'm a good dentist. How did you figure that out?"

The girl replies:...."Didn't feel a thing."



The top four photos show just how keen and dedicated the team are. The dark photo is perhaps slightly darker than it actually was, but nevertheless it does show how work carried on to the last of daylight. A figure is scurrying across the picture at left centre. Warren Belk and Shane Marshal have the starring roles in these photos

Three photos from Tuesday club evening, Mike Treloars contribution of Phantom pattern and domes. Geoff Hallam is showing his progress on constructing an oscillating Boxer steam engine and Ian Watson is refurbishing a Simplex steam cylinder.

Thanks to Eddie Evans for the Tuesday night contribution.



The club celebrated its 750,000th passenger on Sunday 1st June with a presentation of certificate, flowers and chocolates by Peter Jones to a young family. The photo shows Peter posing with a young member of the family.

Did you hear about the fat, alcoholic transvestite - All he wanted to do was eat, drink and be Mary.

I got invited to a party and was told to dress to kill. Apparently a turban, beard and a backpack wasn't what they had in mind.

After a night of drink, drugs and wild sex, Jim woke up to find himself next to a really ugly woman. That's when he realised he had made it home safely.

Paddy says to Mick, "Christmas is on Friday this year". Mick said, "Let's hope it's not the 13th then."

My mate just hired an Eastern European cleaner, took her 15 hours to Hoover the house. Turns out she was a Slovak.

Since the snow came all the wife has done is look through the window. If it gets any worse, I'll have to let her in.

I've been charged with murder for killing a man with sandpaper. To be honest I only intended to rough him up a bit.

After years of research, scientists have discovered what makes women happy. Nothing!

Just had my water bill of £175 drop on my mat. That's a lot. Oxfam can supply a whole African village for just £2 a month: time to change supplier I think.

Two women called at my door and asked what bread I ate, when I said white they gave me a lecture on the benefits of brown bread for 30 minutes. I think they were those Hovis Witnesses.

Seven wheelchair athletes have been banned from the Paralympics after they tested positive for WD40.

Warren Karlsson, is intent on looking after members safety, including your backs, as a Chairman of the safety Committee should, read on.

I have access to good condition manual hydraulic lift hospital beds, which I can deliver in or around Tauranga for \$140.00 each, suitable for conversion to workshop mobile platform hoists for model locomotives.

There are about 6 available in about 4 weeks time. Contact Warren Karlsson 029 7711829 or warren.karlsson@xtra.co.nz" Owing to newsletter delays, that four weeks has passed by. Ed.

The 750,000 rides since the miniature railway's inception equates to about 30 years. The last half million rides took just 14 years. The ride numbers have been fairly consistent with over 44,000 the most and 25,000 the least with most being around 38,000 plus.

Lappa Valley on the market

Three railways, three gauges, and nearly three miles of track could be yours for £500,000 after Cornwall's Lappa Valley Railway was put up for sale by the family that founded it back in 1974.

The railway is best known for its 1-mile long 15in gauge line, which conveys visitors from Benny Halt and the main parking area to the main attraction at East Wheal Rose, where a former tin mine has been landscaped to form a family theme park. Towering over the site is the former engine house, which today contains a viewing platform allowing visitors to survey the entire 60-acre site.

The 15in line's two locomotives, Severn-Lamb-built 0-6-4T *Zebedee* and David Curwen 0-6-0 *Muffin*, are both included in the sale along with diesels, carriages, the 10¼in Newlyn branch and the 7¼in Woodland Railway. The 15in line follows part of the route of the Great Western Railway's Newquay-Chacewater branch, and features former overbridges that dwarf the locomotives that ply the route today.

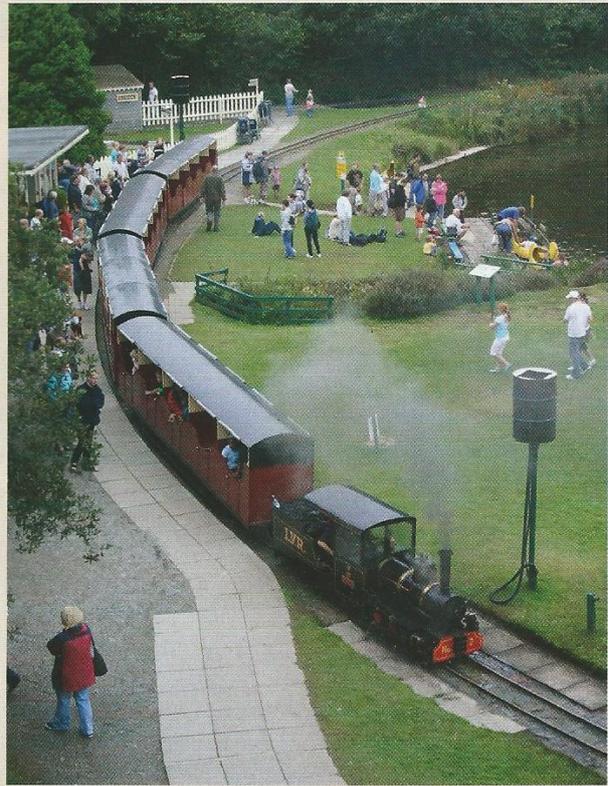
The remainder of the site is geared to families and includes

a boating/canoe lake, adventure playgrounds, a maze, pedal car tracks, café, crazy golf and a nine-hole golf course (currently out of use). The station building at Benny Halt also includes a new holiday let.

Potential buyers are advised that turnover is in the region of £550,000, with a projected £600,000 for 2013. Average annual visitor attendance is £50,000, with a spend per head of £11, and a projected further £8,000 from the holiday flat. There are currently six full-time employees with seasonal staff on top. The season operates from Easter to October, plus 'Santa Specials'.

The sale is described as a 'retirement sale', and interested parties should contact the agent, Beardsley Theobalds at 48 Queen Street, Exeter, Devon, EX4 3SR. Alternatively call 01392 253071 or email info@beardsleytheobalds.co.uk

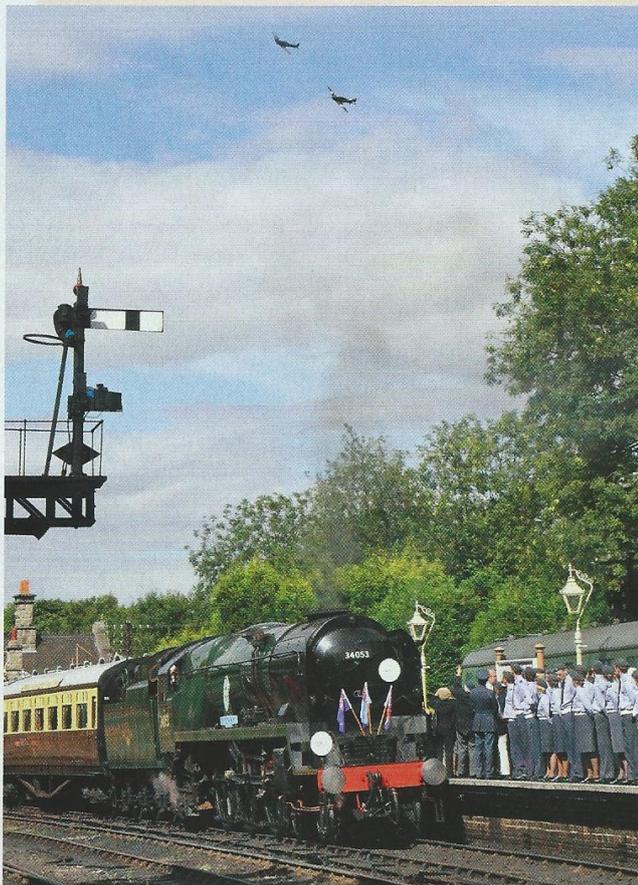
A view of the Lappa Valley Railway's 0-6-0 *Muffin* from the top of East Wheal Rose engine house. GARY BOYD-HOPE



www.steamrailway.co.uk

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Secretary Wanted. Bruce Harvey is taking on the job as no-one else seems prepared to step up, but Bruce is already wearing the Vice Presidents hat. Please note that the tasks of the 2016 convention are already in the hands of Shane Marshall and Mike Treloar. Owen Bennett is carrying on organising spreadsheets etc and so the task should not be too onerous.

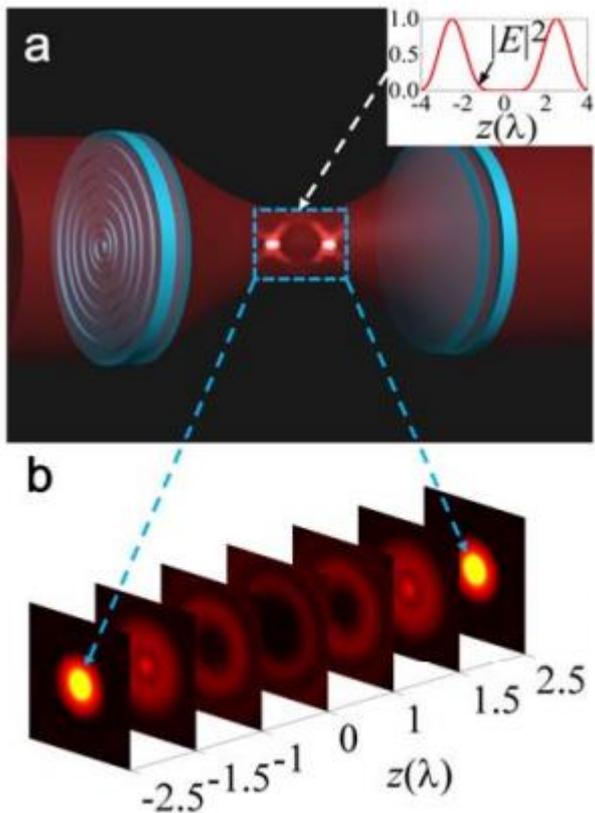


Above, if you have a spare million dollars, how about this for a lifestyle block.

At left, from the same issue.

The NZ connection; the engine pictured is a Bullied Pacific built during WW2. The class is known as 'Battle of Britain' and most are named after fighter squadrons engaged in the battle in British skies in WW2. Oliver Bullied was CME of the Southern Railway, which was of course, the main battlefield for that episode of the air war. Some engines were named after people involved who made outstanding contributions to the British victory there. In this photo the engine is being rededicated to Sir Keith Park after a complete restoration, on August 31st at Kidderminster Station. The engine was originally named in his honour in 1947.

Sir Lockwood Smith, the NZ High Commissioner attended the ceremony along with many RAF veterans. A flypast of spitfire and hurricane fighters was organised and two spitfires are seen in the photo.



Beams of light play a special role in our cultural heritage: World War II search lights picking out Nazi bombers, Gotham City's Bat signal summoning help in times of distress and lighthouses warning unsuspecting shipping to stay away. Beams of light are beacons of safety. Now filmmakers and optical engineers have something much more sinister to play with. Chao Wan at the National University of Singapore and a few pals have built a "darkness" beam that bathes objects in the absence of light. The new device hides macroscopic objects by beaming invisibility from a distance, an entirely different technique to the one used in conventional invisibility cloaks that have received much media coverage in recent years. The new device turns the conventional approach to optics on its head. Conventionally, optical engineers devise imaging system with the best resolving power possible. The basic idea is that an imaging system focuses light into a pattern known as a point spreading function. This consists of a central region of high intensity surrounded by a concentric region

of lower intensity light and a higher intensity lobe beyond this. Engineers get the best resolution by narrowing and intensifying the central region while suppressing the outer lobe. (Indeed, one of the more exciting recent developments in imaging is in using this technique to resolve objects that are significantly smaller than the wavelength of the light being using to create the image, a technique known as super-resolution. Now Chao and co have taken exactly the opposite approach. Instead of narrowing and intensifying the central region at the expense of the lobes, these guys intensify the lobes while suppressing the central region. The result is a central region where the field intensity of light is essentially zero. This is a region where objects cannot be resolved, hence the group's name for this effect: anti-resolution.

The central region is surrounded by a region of high intensity light which acts like a kind of light capsule containing a 3D region of darkness. "A three-dimensional object placed in the optical capsule does not cause scattering and one can therefore see the scene behind the object," they say. In effect, it is an invisibility capsule. Chao and co say that the region of darkness can be as much as 8 orders of magnitude bigger than the wavelength of light used in the imaging process. That's huge! The imaging system itself is simple. Chao and co demonstrate it using a laser beam passing through a "lens" consisting of concentric dielectric grooves that are straightforward to manufacture. In their test, they hide an object—a letter 'N'—that is 40 micrometres in size. That's significantly larger than conventional invisibility cloaks could do when they first hit the headlines. Perhaps that's not surprising given that the new device works in an entirely different way from conventional invisibility cloaks. These are built using bespoke meta-materials that steer light around an object placed inside them. By contrast, Chao and co can effectively beam invisibility from a distance. There are some limitations, however. The current device works at a single frequency of light so an interesting challenge will be to make broadband lenses that work at a wide range of frequencies. Beyond that, Chao and co will have to find a killer app for their new device. They say it has many potential applications such as in cloaking and surveillance but give little detail.

It is all too technical for me, in fact I am left quite in the dark about it, but what does fascinate me are the implications for the English language. We shine a beam of light, what is the equivalent. Gloom a beam of dark? Shine a light on it, Dark a black on it? Maybe we will do as Shakespeare did and invent new words when he was stuck. Anyone out there with ideas on the terminology we can use for the Beam of darkness, I would love to know it. Ed.

Just A Reminder to those who stole Electrical Goods in Last Year's Riots....Your One Year Manufacturer's Warranty Runs Out Soon.

IT'S A BOY" I shouted "A BOY, I DON'T BELIEVE IT, IT'S A BOY"
And with tears streaming down my face I swore I'd never visit another Thai Brothel!!!

The following interesting test results on penetrating oils came our way via Richard Turner, who received the info from his local Men's Shed. Machinist's Workshop Mag recently published some information on various penetrating oils that were found very interesting. Penetrates were tested for break-out torque on rusted nuts. They are listed below, as forwarded by an ex-student and professional machinist. Penetrating oils Average torque load to loosen No Oil used 516 pound WD-40 238 pounds PB Blaster 214 pounds Liquid Wrench 127 pounds ATF-Acetone mix 53 pounds A subjective test was arranged of all the popular penetrates with the control being the torque required to remove the nut from a "scientifically rusted" environment. The ATF (automatic transmission fluid) Acetone mix is a "home brew" of 50 - 50 automatic transmission fluid and acetone and it re-eased bolts better than any commercial product in this one particular test. The Men's Shed machinist group mixed up a batch and all members now use it with equally good results. Note also that "Liquid Wrench" is almost as good as "Kroil" for about 20 per cent of the price. A Godwin-Singer rep says that ATF-Acetone mix is best, but you can also use ATF and lacquer thinner in a 50-50 mix. Power-steering fluid also works as well as transmission fluid!
Borrowed from **WA. magazine STEAMLINES July — August**

Boating News

One metre sailing. Time flies by and here I am putting pen to paper. It seems like yesterday that we were having the one metre nationals but it was the 2nd to 5th May. 45 boats were entered and raced in 3 divisions. Light winds were with us till the last day of racing when the stronger breeze came in. Scott Combie from Australia won the series. Of the Tauranga members Graham Roberts 4th, Carl Smith 14th, Clyde Rogers 21st, Ken Fox 29th, Gary Denniston 30th, Antony Sisson 31st. This weekend 7th June we had trimaran racing with 13 boats racing in light winds. A lot of fun and worth members looking on the Tauranga radio sailing web site. Sailors came with carbon fibre made boats; the designs sourced off the internet. Cheers Ken Fox

