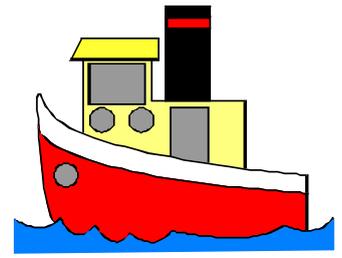




# Wheels and Floats



Newsletter No. 342 May / June 2015

## TAURANGA MODEL MARINE AND ENGINEERING CLUB

The Secretary  
P.O. Box 15589,  
Tauranga 3112  
Palmerville Station Phone 07 578 7293

Rail Track Memorial Park  
Open to Public weather permitting.  
Sundays 10.00am to 4.00pm  
Web Site. [www.tmmec.org.nz](http://www.tmmec.org.nz)

### NOTICE OF MEETING

The next general meeting will be on  
Tuesday 2<sup>nd</sup> June at 7pm  
At Palmerville Station

Next Committee Meeting Thurs 11<sup>th</sup> June  
at 7pm.

|                 |  |               |
|-----------------|--|---------------|
| Patron:         | Noel Pope  |               |
| President:      | Peter Jones  | (07) 543 2528 |
| Vice President: | Bruce Harvey   | (07) 548 0804 |
| Secretary:      | Bruce Harvey   | (07) 548 0804 |
| Co-Treasurers:  | Clive Goodley  | (07) 572 2959 |
|                 | Owen Bennett   | (07) 544 9807 |
| Editor:         | Clive Goodley  | (07) 572 2959 |
|                 | <a href="mailto:goodley@clear.net.nz">goodley@clear.net.nz</a> |               |

|                  |  |
|------------------|--|
| Conveners:       |  |
| Workshop:        | Malcolm George, John Nicol                 |
| Track:           | Bruce Harvey, John Stent,<br>Russell Prout |
| Marine:          | Warren Belk, Ken Fox                       |
| Librarian:       | John Nicol                                 |
| Rolling Stock:   | Clive Goodley, M. Webber                   |
| Website by:      | Murray de Lues                             |
| Driver Training: | Clive Goodley, M. Webber                   |
| Club Captain:    | B. McKerras                                |

|                   |   |
|-------------------|---|
| Committee:        | Warren Belk, Shane Marshall,<br>John Stent, Bruce McKerras<br>Peter Lindsay. John Nicol.<br>Owen Bennett. |
| Boiler Committee: | Peter Jones, Paul Newton,<br>Bob Batchelor. Bruce McKerras<br>John Heald                                  |
| Safety Committee  | Warren Karlsson, Bruce Harvey<br>J. Nicol. Malcolm George,<br>P. Lindsay                                  |

| Operators May / June |                |
|----------------------|----------------|
| 24-05-15             | B. Fitzpatrick |
| 31-05-15             | C. Goodley     |
| 07-06-15             | B. Harvey      |
| 14-06-15             | W. Karlsson    |
| 21-06-15             | B. Kinkaid     |
| 28-06-15             | P.Lindsay      |
| 05-07-15             | B. McKerras    |

### Presidents Points,

Greetings members.

Thank you to the members who attended our 2015 operators meeting and AGM.

Congratulations to the committee on their re-appointment and all the very best for what is going to be a very eventful year. Congratulations Russell Prout, a new committee member, Mike Webber as trainee Operator, and Bruce McKerras as the first elected Club Captain. Congratulations also to Clive Goodley on his successful elevation to Life Member status, well done.

Over the next few weeks, your President, Vice President, and Secretary will be away and I have asked Bruce McKerras, Owen Bennett, and Warren Belk to look after the fort until our

return. Owen will look after the chair at club nights and Warren will assist, their Emails listed at the front of this newsletter, let them know if there are any issues, I will be in contact Via Email during this time. Bruce McKerras will be organizing the training days and Owen will be advertising meetings etc. Working B's are being organized for each Saturday weather permitting to get track work upgraded and new sidings installed before the open weekend in November. Your help will certainly be appreciated.

Our club librarian John Nicol has had a spell in hospital recently, best wishes John for a speedy recovery; look forward to seeing you smiling face down at the track again soon. Shane Marshall suggested now that winter is upon we issue our ticket clipper's and drivers with a warm jacket personally issued with their name and club logo embroidered on the garment. Clive has been given the job to sort out the most suitable garment with the recipients. Also club members who ordered convention shirts, these are now available from Malcolm George.

Best wishes  
Peter Jones.

### **Electric locos**

The recharging of the electric locos batteries from power points in the big tunnel is imperative after a full day's use, however Malcolm informed me that the power in the tunnel is lost when the main switch in the clubroom is turned off. As it is club rules to turn off the main switch when leaving the building and locking up, things have changed, the main switch in the lunch room is now left 'ON'.

The electric locos have a semi-automatic water top-up which needs to be done monthly. **Distilled** water is syphoned to the batteries via a series of pipes from the water container using a rubber squeeze pump similar to a bicycle horn.

The steam engine filtered water supply system will be inadequate for the convention, and the original idea was to install a large water tank and have it filled before the guests arrive. Hopefully, that would be refilled fast enough to last out the week. We are now looking at installing a bigger and better filter system that will easily cater for the convention and any future events.

Our EFPOS terminals are too hard to read in the bright light by the ticket window and so an upgrade has been approved, but unfortunately we are tied in to a contract and there will be no upgrade for long while.

About twenty five members attended the AGM and as well as the appointments approved mentioned by the President, Mike Webber is also ridecar inspector and a committee member, and can therefore issue WoF for the ridecars.

<http://www.chonday.com/Videos/the-writer-automaton> Try this for modelling par excellenceDone.

A blonde chick gets a job as a physical education teacher of 16 year olds. She notices a boy at the end of the field standing alone, while all the other kids are running around having fun kicking a football. She takes pity on him and decides to speak to him. ' You ok?' she asks.' Yes,' he replies. 'You *can* go and play with the other kids, you know,' she says. 'It's best I stay here,' he says. 'Why's that, sweetie?' asks the blonde.

The boy looks at her incredulously and says: "Because I'm the goalkeeper !!!"

### **MEMBERS' MONTHLY MEETING, 5 MAY**

Introduced by Peter Jones for the usual verbal update of club affairs and committee deliberations. This was followed with a presentation by Geoff Hallam, of a partially built model of a vintage railway carriage. This was a plywood construction in great detail, produced by CNC cutting, with Geoff explaining the difficulties encountered by cutting too deep, or not deep enough, often with disastrous results of broken cutters or nearly finished work destroyed in the final phase of production.

Bruce McKerras struggled in with a more robust and powerful motor which he has rebuilt, soon to find its way into replacing the original motor for his Velocette Motorcycle. As a mechanic, Bruce has the skills needed to carry out this work to a high degree of accuracy and detail.

A riveting performance followed by Russell Prout, with his cad drawing skills, who presented an extensive overview of the proposed track alterations and additions, which include a new traverser on the north side of the steaming bays (the concrete pads are already in place) to more efficiently handle the movement of locomotives to and from the steaming bays, to work in conjunction with the present turntable which delivers and retrieves locos and rolling stock to and from the ground-level track. The presentation was mainly shown in plan view, however a 3D view was then displayed which gave a pictorial view of the new traverser and its interaction with alterations to the steaming bays.

Included in the presentation were a number of changes to the present unused track to the east of the main line by the station, which it is proposed will be replaced with a new line, and the addition of points at the proposed places, will greatly improve the versatility of our track network. A major proposal is to then incorporate a rolling stock marshalling area between No. 1 and No 2 tunnels, running to, from and through a new "roundhouse" for storage and maintenance of locomotives, traction engines etc.

Thanks to Russell for an enlightening presentation. A great display on our new TV/Monitor. The proposals will be considered in detail at the next committee meeting

The face of model engineering is certainly changing, with members displaying diverse skills which will keep our club the envy of other model engineering clubs.

An assortment of small metals were on the table and members selected a few pieces for their own use in consideration of a donation to club funds.

For members who will need metals in the future, please contact direct:

Bay Engineers, for silver steel, threaded rod, or other goods, we get good discounts from them. Be sure to mention the goods are for Tauranga Model Marine and Engineering Club, but you must pay at the counter on pickup.

Steel & Tube, for bright or black mild steel, and stainless steel, but they don't like supplying less than full lengths. Pay at the counter.

Little Metals in Christchurch, phone 03 365 7731, for brass and other metals in 300mm lengths. Probably need to be paid in advance by credit card.

Anzor, Mt Maunganui for stainless steel fasteners, screws, etc at well discounted prices. Mention that they are for a member of our club to get a 70% discount, but you must pay at the counter.

Report by Owen Bennett

Four old timers were playing their weekly game of golf, one remarked how nice it would be to wake up on Christmas morning, roll out of bed and without an argument go directly to the golf course, meet his buddies and play a round.

His buddies all chimed in said, "Let's do it! We'll make it a priority; figure out a way and meet here early, Christmas morning."

Months later, that special morning arrives, and there they are on the golf course. The first guy says, "Boy this game cost me a fortune! I bought my wife a diamond ring that she can't take her eyes off of."

The second guy says, "I spent a ton too. My wife is at home planning the cruise I gave her. She was up to her eyeballs in brochures."

The third guy says "Well my wife is at home admiring her new car, reading the manual."

They all turned to the last guy in the group who is staring at them like they have lost their minds.

"I can't believe you all went to such expense for this golf game. I slapped my wife on the bum and said, 'Well babe, Merry Christmas! It's a great morning -- intercourse or golf course'

She said, "Don't forget your hat."

## **.World's Largest Ship**

Harmony of the Seas, the third in Royal Caribbean's popular Oasis class of ships, is scheduled for launch in the spring of 2016. A fourth Oasis-class ship is also under construction.

Currently under construction at the STX France shipyard, Harmony of the Seas (previously known as Oasis 3) will be slightly larger than 5,400-passenger sister ships Oasis of the Seas and Allure of the Seas, carrying 5,479 passengers.

Measuring 227,700 gross registered tons, Harmony of the Seas will be 2,418 GRTs larger than Oasis and Allure, as well as just over two metres longer. It also will be 20 percent more fuel efficient than its sister ships.



### How big is a football field?

Quite a simple question, right? A full size rugby pitch is 110 metres long, does that include the bit between the try line and dead ball line or not? Even if you can answer that, what about a rugby league pitch, and then of course the pitch of real football, called soccer in NZ. You know all those, how about Aussie rules, which would dwarf a rugby field, or American gridiron, they are all football. Model engineering embraces many things, but not football and so what is the connection?

**And so to Ships**, What is the biggest ship in the world? Simple, The new Cruise liner, Allure of the Seas, a sister ship of Harmony of the Seas. At 225,000 tons, a no-brainer. However, there are other contenders where different criteria gives a different perspective. Ore carriers for instance.

**MS Vale Brasil** MS Vale Brasil is **362.0 m** long, hull breadth **65.0 m** and hull depth **30.4 m** and **198,980** gross tonnage. She is one of the longest ships in service.

The gross volume of MS Vale Brasil is **219,980 m<sup>3</sup>** and it is separated in seven cargo holds. Each of them has a volume of almost a small Panamax carrier and is loaded by a ship-loader with 13,500 tph loading rate. The biggest ship "bulk carrier" type has **402,347** tons deadweight tonnage and 67,993 net tonnage.

Her draught goes to 23 m when she is fully loaded with iron ore, this equals to over 11,150 trucks and limits her to call only several ports in Brazil, China and Europe. Depth 30m (don't understand) Clive

In 2011 MS Vale Brasil was awarded "**Clean Ship**" in the **Nor-Shipping**, Norwegian shipping exhibition. The biggest bulk carrier emissions are 35% lower compared to older vessels emissions per ton of cargo. The reason for the low emissions per cargo ton-mile is the huge size of the MS Vale Brasil. The biggest ship bulk carrier is the among the leaders for long distance efficiency.

MS Vale Brasil owned by the Vale Shipping Holding PTE Ltd



Ordered October 2009. Builder Daewoo Shipbuilding & Marine Co South Korea  
 Laid down November 2010. Completed March 2011. Type, Bulk Carrier.  
 Tonnage. 198,980 GT. 67,993 NT. 402,347 DWT. Length, LOA 362m. LPP 350m. Beam 65m  
 Crew 33. Route, China Brazil

AS you will no doubt notice, the ore carrier is slightly shorter than the cruise ship, but loaded weighs twice as much

**Irish blonde...**

An attractive blonde from Cork, Ireland, arrived at the casino. She seemed a little intoxicated and bet twenty thousand dollars in a single roll of the dice. She said, "I hope you don't mind, but I feel much luckier when I'm completely nude." with that, she stripped from the neck down, rolled the dice and with an Irish brogue yelled, "Come on, baby, Mama needs new clothes!"

As the dice came to a stop, she jumped up and down and squealed. "Yes! Yes! I won, I won!" She hugged each of the dealers, picked up her winnings and her clothes and quickly departed.

The dealers stared at each other dumbfounded.

Finally, one of them asked, "What did she roll?" The other answered, "I don't know - I thought you were watching."

MORAL OF THE STORY Not all Irish are drunks, not all blondes are dumb, .... but all men...are men!

**Container ships**

Oscar is 395.4m long and so longer than the ore carrier

|                  |  |
|------------------|--|
| Completed:       | 2015   |
| Type:            | <a href="#">Container ship</a>               |
| Tonnage:         | 197,362 DWT                                  |
| Length:          | 395.4 m (1,297 ft)                           |
| Beam:            | 59 m (194 ft)                                |
| Installed power: | 16 MW (21,000 hp) <sup>[2]</sup>             |
| Speed:           | 22.8 kn (42.2 km/h; 26.2 mph) <sup>[2]</sup> |
| Capacity:        | 19,224 TEU (20ft equivalent units)           |
| Crew:            | 35 <sup>[2]</sup>                            |



## Pioneering Spirit

|   |   |
|---|---|
| Name:   | <i>Pioneering Spirit (formerly Pieter Schelte)</i>  |
| Owner:  | <i>Société d'exploitation Pieter Schelte NV, Belgium (Allseas Engineering BV, <a href="#">Delft</a>, Netherlands)</i> |
| Operator:                                     | Allseas Marine Contractors SA, <a href="#">Châtel-Saint-Denis</a> , Switzerland                                       |
| <b>General characteristics <sup>[1]</sup></b> |   |
| Tonnage:                                      | 403,342 <a href="#">GT</a>  |
| Length:                                       | 382 m (1,253 ft) (hull)<br>477 m (1,565 ft) (maximum)   |



|                  |  |
|------------------|--|
| Beam:            | 124 m (407 ft)   |
| Draft:           | 10–25 m (33–82 ft)   |
| Depth:           | 30 m (98 ft)   |
| Installed power: | Eight diesel generators<br>95,000 kW (combined)                        |
| Propulsion:      | <a href="#">Diesel-electric</a> ; 12 <a href="#">azimuth thrusters</a> |
| Speed:           | 14 knots (26 km/h; 16 mph)   |
| Crew:            | Accommodation for 571  |



**Pioneering Spirit** is the world's largest platform installation/decommissioning and pipelaying vessel, built for the [Allseas](#) company. The ship is also by far the world's largest vessel overall ever constructed in terms of its gross tonnage of 403,342 gt, as well as its breadth (123.75 m/406 ft) and displacement (900,000 metric tons) The main construction was done at Daewoo shipyard, Korea and final completion in the Netherlands. Main diesel power comprises eight [MAN](#) 11.5 MW engines and one 4 MW harbour engine with two engines each in four separate engine rooms with 12 [Rolls Royce](#) 5.5 MW thrusters.

The ship was at first named after marine engineer Pieter Schelte Hereema, The original name created a controversy due to Pieter Schelte Heerema's serving in the [Waffen-SS](#) during [World War II](#), prior to August 1943. Schelte Heerema subsequently disappeared and joined the resistance in the Netherlands. After the war he was arrested and sentenced to jail for three years because he was assistant director of a Dutch company that conscripted slave labourers for the Nazi war effort, according to the Dutch National Institute for War Documentation The court later released him after one and a half years on account of his "very important services to the resistance between August 1943 and March 1944.



Nicknamed the "Grey Ghost", RMS *Queen Mary* holds the all-time record for most troops on one passage.- The RMS *Queen Mary* and the *RMS Queen Elizabeth* were two of the most famous converted liners of World War II. When they were fully converted, each could carry well over 10,000 troops per trip. Queen Mary holds the all-time record, with 15,740 troops on a single passage in late July of 1943 from the US to Britain, and transporting a staggering 765,429 total military personnel during the war.



Maybe not the largest ship in the world, but certainly strange to behold. And, as you no doubt guessed, an LNG tanker

As you will have now discovered there are different types of big in the world of shipping. From a cargo requirement the ship owner wants to carry as much cargo as possible. This is called **deadweight tonnage (DW)**

**Gross tonnage** is a measure including all spaces below deck as well as permanent above deck structures and includes spaces

not used for cargo.(GT)

**Dead weight** is the total load on board a ship including cargo, stores passengers and crew (DW)

**Net tonnage** describes the cargo carrying capacity of a ship, determined as a relationship with the gross tonnage less the spaces that cannot be used to carry cargo (NT).

The Pioneer Spirit is the largest ship afloat by volume. (GT) but not length or cargo lift  
The container ship Oscar is the longest ship afloat. (Length) but not deadweight, cargo lift or net tonnage

The bulk ship Vale Brasil will lift the heaviest cargo. (NT) is not the longest or greatest volume.  
The passenger ship Allure is currently has the largest passenger carrying capacity but is not the largest by deadweight, length, or Gross tonnage.

Thanks to Bruce Harvey for proof reading this article and for providing the explanations of the abbreviations. And now a bit more about those floaty things.

### Boating News

.Radio sailing. Shifty South West or North West winds have been the order of the day with Wednesdays the preferred sailing day for a number of sailors. Whilst no results are taken the races are competitive to say the least. Saturdays results show members having good and bad days. Which rig to use is up for discussion as the breeze waxes and wanes. The carp seem to be doing a good job as we no longer have a problem with sailing into weed.

Cheers Ken Fox



BLOKE SAT IN HIS ARMCHAIR SHOUTS TO HIS WIFE, "WHEN I DIE I'M GOING TO LEAVE EVERYTHING TO YOU MY LOVE". SHE SHOUTS BACK, "YOU ALREADY DO YOU LAZY BUM".

Paddy & Mick stagger out of the zoo with blood pouring from them. "The hell to that" said Paddy, "That's the last time I go lion dancing"