

# *Model Engineering Association of New Zealand Incorporated.*

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Secretary: 154 Scott Street, Waverley, Dunedin, 9013.

## **MEANZ UPDATE February 2020.**

**President: Richard Lockett, member  
of the Palmerston North Model  
Engineering Club**



So how did I end up in this position again, while having a spell living in England, early 1980's I used to visit the Model Engineering Exhibition at Wembley Stadium each year and as I've liked to build things from an early age, metalwork through high school and on to an engineering apprenticeship as a

teenager, so before I returned to NZ castings for the 1.5 inch Allchin Traction Engine were purchased.

On joining the Palmerston North Model Engineering Club (PNMEC) I found out that there is a process to follow to construct and certify model boilers and eventually you end up on the club's boiler team. Next is a spell on the club's committee, then a spell as treasurer, then as president and have been the manager of the clubs railway operation, the Marriner Reserve Railway for a number of years. At this time, late 1980's the PNMEC were extending their ground level railway track so I became involved in that side of the hobby, shifting dirt, pouring concrete, fabricating steel bridges, plantings trees, building track and I'm still doing it.

PNMEC has always had a healthy interest with issues at a national level and were always present at any meetings pre MEANZ and I was present at the meeting in Taupo where MEANZ was formally set up and have been at most if not all of the meetings since so I suppose ending up on the executive

team was going to happen at some stage.

I did finish building the Traction Engine, some of you may have seen it running, and then purchased a 7.25 inch Ker Stuart When class Railway Loco called "ROBYN" and operated it while I built a 7.25 inch NZR tank loco W192 and are currently building an 7.25 inch NZR U class loco U193 both products of the Addington Railway Workshops.

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**Bill Krippner North Island Rep. and member of the Manukau Live Steamers.**



Based in Auckland my "home club" is Manukau Live Steamers, being current president. I am married with 2 sons and soon to be a grandparent. I have been

involved in the hobby for 30 years. I started with a Phantom built like Thomas the Tank engine, then continued on to build other NZR locos and rolling stock. I have travelled and run locos at most of the North Island clubs and 6 South Island Clubs. I have a passion for NZR prototype, particularly steam while always encouraging the building of any model be it rail, boats, traction engines, tooling and all aspect of our hobby. I am employed by WSP as a professional engineer.

**Contact Details.**

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**Rob Wilson South Island Rep. and member of Canterbury Society of Model and Experimental Engineers**



(CSMEE). Aged 70 years, married for 48 years, two kid and two grandkids. Well retired from long career with Engineering specialising in Timber Preservation. Still busy in “man cave” with building/repairing/ updating locos and rolling-stock. Latest loco built is a 7¼” gauge German shunting loco, a Kof. Also nearly completed a 5” NZR Dg for a clubmate and will then work on Rhb 182, a “crocodile” in 7¼” gauge.

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**Heather Wilson: Secretary/Treasurer and member of the Otago Miniature Road and Rail Society.**



My name is Heather Wilson and I have been involved with Model Engineering Clubs together with my husband Noel for many years. I was fascinated with the operation of steam locos from an early age and learned how to drive these. I regularly drive Steam, IC and electric at

our club the Otago Miniature Road and Rail Society that is situated at Wal's Funland in Mosgiel. My paid employment is the Manager of the Otago/Southland Myalgic Encephalopathy society. I am president of ANZMES the National Society, Vice President of the Otago Rock and mineral club, a committee member of the Dunedin Community House executive and run the Dunedin Coeliac group. I have a solid background in the running of Clubs and Incorporated Societies and knowledge of Rules and paper work that Model Engineering clubs must run under as have been a club secretary for many years. I am a keen photographer and run Facebook pages for several organisations.

**Secretary**

Heather Wilson

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**Steam N' Steel 2020**

The Steam N' Steel 2020 Convention had mostly fine weather and it was an enjoyable time of friendships and comradeship. Jess and her crew made some awesome food and desserts and the Hamilton Club put together a very successful convention.

The prizes are as follows.

### **First New Zealand Registration**

Sean Heenan

Sponsored by Steam N' Steel 2020

### **First Overseas Registration**

Jim Nolan

Sponsored by Steam N' Steel 2020

### **First Pre-Registration**

The Grueber Family

Sponsored by Steam N' Steel 2020

### **Best Paint Scheme**

King Edward VIII

Sponsored by Hamilton Model Engineers



### **Best Non-Steam Locomotive**

Rob Wilson

"Kof" German Shunter

Sponsored by Kiwi Control Systems



### **Best Vintage Machinery**

Replica "Oldsmobile"

Alan Manning

Sponsored by Hamilton Model Engineers



## Les Moore Challenge

Overall Winner: Nigel Gibbs

Runner Up: Greg Burrows

Sponsored by Steam N' Steel 2020



## Best Electric Vehicle

Alan Manning

Da 1548

Sponsored by Squirrel Valley Railway.

## Best Steam Locomotive

Ian Welsh

Rio Grande K36#482

Sponsored by Hallet Steam Oils



## Best Road Vehicle Gough Cup

Jonathan Grueber

Sponsored by Steamfuels NZ



## Best New Phantom-Ikon Cup

Peter Wisley

'Thomas' Phantom Sponsored by Ikon Engineering



## **. Most Popular 2.3"/3.5" Locomotive**

Bill Krippner

Ja1267



## **Most Popular 7.25" Locomotive**

Graeme Chisnall

'Ohaka Meadows Logging Co.' Shay#5

Sponsored by MBM Model Engineering



## **Most Popular 5" Locomotive**

Dave Campbell

C.F.M.'Dubs A'

Sponsored by MBM Model Engineering.



## **People's Choice Award**

Graeme Chisnall

'Ohaka Meadows Logging Co.' Shay#5

Sponsored by MBM Model Engineering.

## **Young Enthusiasts Award**

Max Donnelly

Sponsored By Valve Gear Productions.



## The Canterbury Award

John Harman

“Big Thunder” Mogul



Then there were the Crunchie Bar Awards which got several laughs.

## Subscriptions

Subscriptions are now due to MEANZ for the 2019-20 year for \$60. An Invoice has been emailed out to clubs.

## Dave Giles. -

Can clubs Execs get their Boiler Inspectors to update their CV's as per the AMBSC codes and file them in with the club's boiler records. The official form is with the MEANZ secretary so you can ask for this to be sent out if you do not have this.

That way the Auditors can find the paperwork easily when they visit, to do your clubs next Safety Audit

## Applications payment to Worksafe.

Clubs can now pay to Worksafe by Internet banking for their Amusement Device application.

The prescribed fee: \$30.00 plus GST = \$34.50 Direct debit to Westpac account 03-0251-0040-445-00 Include your ADR number as a reference for the payment.

Cheques are also still accepted and please put Worksafe on the cheque not MEANZ or Department of Labour. When you send your application into Heather Wilson (MEANZ secretary), please put on the application form if you have paid by Internet banking or let Heather know.

## Applications to Worksafe.

Worksafe are now accepting Amusement Device Applications by email so you can send the scanned Form 1 and 2a, pics etc. by email now to Heather and she will add the Travellers list and send on to Worksafe.

Remember to put your application in 2 to 3 months before it is due as it is an offence to be running and clubs and we have been told it is an offense to run clubs with out an up to date certificate.

### **Communication with Worksafe.**

The New Plymouth Society of Model and Experimental Engineers Inc. remit was that MEANZ to immediately send a message to all clubs requesting that all communication between clubs or individuals to Worksafe be copied to MEANZ secretary for information. After discussion it was decided by the MEANZ members that it would be good policy for MEANZ to be kept in the loop for any clubs or individual's communication with Worksafe. If your club is communicating directly with Worksafe please email [meanz.secretary@gmail.com](mailto:meanz.secretary@gmail.com) or ring Heather or one of the MEANZ committee members so the Exec know what is happening and gives us the knowledge if Worksafe gets in touch with us.

### **Summary of Worksafe meeting.**

The MEANZ exec met with 9 representatives from MBIE, Worksafe and Engineering NZ Jack Mains (IPENZ) for a 2 hour discussion on Tuesday the 4th of February. The exec was given an agenda the evening before so had little time to prepare for the meeting. The meeting followed the same lines as the discussion document

put out for public consultation in July. The Agenda was;

#### 1. Summary of proposals and results of consultation

- (i) New high-risk plant regulations
- (ii) Risk based definition of amusement devices
- (iii) Training requirements for operators
- (iv) Log books
- (v) Registration process –design verification and item registration

#### 2. Current practices

- (i) MEANZ description of processes
- (ii) Club description, general activity, inspection regime, licence and inspection, auditing and training
- (iii) Worksafe description
- (iv) Accreditation of inspectors
- (v) Accreditation of MEANZ
- (vi) Consistency with non MEANZ registrations
- (vii) Territorial authority involvement
- (viii) Agreed problem areas

#### 3. Issues for MEANZ and model engineering

- (i) Definition of model engineering as an amusement device
- (ii) Definition of heritage equipment
- (iii) Risk levels and TA permitting
- (iv) Electrical safety, siting and public safety
- (v) Registration of railway vs inspection of individual locomotives and rolling stock
- (vi) Audit processes and accreditation of auditors



- (vii) Obligation to notify incidents and accidents
- (viii) Documentary aspects, including log book for training, maintenance etc.
- (ix) Competency of inspectors, including involvement of CPEng or other engineering expertise
- (x) Boiler standards changes to the PECPR regulations and AMBSC codes, The separation of NZ from the AMBSC

#### 4. Fees, forms, notification processes

- (i) Notification requirements
- (ii) Fee levels
- (iii) Access to registers

The meeting was very intense. MEANZ Exec are waiting for an official set of minutes. The MBIE lead Bob White, stated MBIE intention was to have the new Regulation written and put to the minister before the end of this parliamentary term. We are unsure if there is to be any further consultation or input to the new regulations. We felt we demonstrated to MBIE and Worksafe that all our current process's would meet any criteria that any new regulations are intended to achieve.

The majority of Worksafe and MBIE personal at the meeting didn't realise that we had definitions to the regulations that were agreed with the Department of Labour (now Worksafe) in 1997.

They have now been given these in paper form and email. Richard Steel did point out that this was indeed what was agreed on at that time.

MEANZ may need independent personal to scrutinise systems and

paperwork. The paperwork / templates may be standardised for all clubs in NZ. They were concerned that the boilers we use may have catastrophic events and Bill Krippner talked very well to this and explained why this would not happen.

Jack Mains questioned many things including why he felt our track gauge was dangerous, why our trolleys were dangerous etc. It was explained that our track gauge was an International standard and the same standard was run in America, Australia, Britain and many other countries throughout the world. Questions were fired at us constantly by Jack Mains, Worksafe and MBIE people at the meeting. We feel we held our own and explained the different systems that MEANZ has in place. We supplied them with copies of all templates.

At the end of the meeting there were a couple of suggestions of possibilities as to the way forward.

“One suggestion is that MEANZ effectively becomes a certification body and is audited by IPENZ for process's.”  
 “Another suggestion was they could have an Umbrella structure or relationship in regulations between Worksafe and “The Scheme” and MEANZ.”. We will have to wait and see the outcome of meeting.

## **Lead Group for MEANZ boilers**

At the MEANZ BGM a remit was passed to “Create a subgroup (MEANZ Boilers) that represents MEANZ for all boiler related queries.”

The MEANZ exec have approached and appointed Peter George, Lester Watchorn, Greg Burrows and Win Holdaway to fill the positions passed in New Plymouth's remit.

Heather Wilson

MEANZ Secretary/Treasurer February  
2020