



The Micrometer



Bruce Coopers LMS Locomotive

AUCKLAND SOCIETY OF MODEL ENGINEERS INC. | Issue 715 | September 2025

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Inside this issue

Presidents Report - September 2025

Clubs Monthly Calendar

Train Roster

Club Notices

Notice of Special General Meeting

Workshop Night

Roger Stratton's Laithe for Sale

Bits & Pieces

Presidents Report

Hello everyone

Alright, so we have a bumper crop of a timeline that everyone needs to note in their diaries for the rest of the year!

First up is the previously announced Special General Meeting next week on the 2nd September in the clubroom at 730pm. Details for what we are voting on are listed on page five.

Volunteers from the council are going to help us with some maintenance in early-mid September—we're really looking forward to seeing them come and help us get that little bit extra maintenance done on the railway!

Then on the 18th and 19th of October, it's the ASME Exhibition! There's still plenty of slots and we really want to see everything you've built and own, so please send your details into info@asme.org.nz so we can get it properly organised!

The 1st of November will be our annual luncheon where we'll have the winners for the exhibition announced. And then at the November meeting, we'll be having Ray Copeland talking to us about his thirty years of experience across GNSS technology, surveying, monitoring, construction and machine control—and yes, he's Ron Copeland's son!

And then finally, because we've got such a large schedule for this month, we've decided to move the annual auction to February next year.

I'm really looking forward to seeing everyone on these dates!

Thanks

Philip Dowdeswell

ASME President

This Month's Calendar

Tuesday, September 2nd	07:30pm	Special General Meeting & General Meeting (Clubhouse)
Tuesday, September 9th	07:30pm	Workshop Night
Tuesday, September 16th	07:30pm	Committee Meeting (Zoom)

TRAIN ROSTER



Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard	Station / Guard
7-Sept-25	I Ashley	M Vickers	VOL	<u>P.Dowdeswell</u>	R Souter	A van Zon	M Schaw
14-Sept-25	D Housley	R Shearer	VOL	<u>T Lawrence</u>	R Crook	L Brown	D Booker
21-Sept-25	M Moore	R Copeland	VOL	<u>S Meikle</u>	M Luxton	B Leung	S Heath
28-Sept-25	R Reichardt	C Whitiskie	VOL	<u>S Watson</u>	K Ryan	T Gil-Goldsborough	D Housley
5-Oct-25	I Ashley	M Vickers	VOL	<u>G Wills</u>	R Souter	B Aickin	T MacDonald
12-Oct-25	P Dowdeswell	R Crook	VOL	<u>D Housley</u>	R Shearer	M Schaw	T Schaw
19-Oct-25	R Copeland	M Moore	VOL	<u>T Lawrence</u>	M Luxton	D Booker	
26-Oct-25	R Reichardt	C Whitiskie	VOL	<u>S Meikle</u>	B Leung	S Heath	

Please Note:

If for some reason you are unable to attend on your rostered date, you are respectfully reminded that it is your responsibility to find a replacement member to fill the gap – please don't let the rest of the team for the day be left short-handed.

Note: The Train Controllers for both affected days must be informed of the swap in advance. It is the responsibility of the person who initiated the swap to do this. Also advise Bob Aickin who is keeping track of the number of duties each of us perform during the year.

CLUB NOTICES

Model Engineering Journals

ASME has an extensive range of Model Engineering Journals (ME and MEW) in the library, managed by Mark Luxton. The collection goes back to the first editions. However as new copies arrive binding takes a while, so the latest may not be available for a while.

If you would like to read the latest edition, they are free to borrow electronically from Auckland Public Libraries. The easiest way to borrow them is using the LIBBY app. If you are a member of the Auckland Library System (anywhere in the SuperCity), this gives free access to an ME and MEW e-sub. If you encounter difficulties take your device (an iPad is ideal) into any Auckland Library Branch.

Please let the editor know if you have been using this service successfully, or have encountered any difficulties.

Myford ML7 Lathe for sale

Longstanding ASME member David Black is moving to a retirement village in September and is closing his workshop in Waiuku. A number of items will be available and preference will be given to ASME members. Included is a beautiful and complete late model Myford ML7 Lathe with a lot of accessories. There is also an older Myford Super Seven on a stand and ready for restoration. There is also a Taiwanese Mill Drill RF30, genuine Rong Fu. For anybody who wants to get in early, please contact David directly on 021482345

ASME Exhibition + End of Year Luncheon

We have booked the next exhibition for the 18th and 19th October and the End-of-Year Luncheon and awards ceremony for the 1st of November. More details will follow in the coming months. ASME will be hosting its annual exhibition on the 18th and 19th of October at the ASME Clubroom.

Thank you to everyone who gave us great feedback about last year's exhibition. We've elected to have the end of year luncheon and awards ceremony on the 1st of November.

If you would like to submit an exhibit, please send the details to info@asme.org.nz. Please also include a photo of the exhibit, as well as dimension details and any other support required (Such as needing power or an air compressor) so we can ensure there is space for everyone.

If you would like to attend the luncheon, please let us know at info@asme.org.nz. We anticipate that the price for this should be the same as last year, but we are waiting for some final confirmation from the venue so we will post that in the next Micrometer if we have it.

SPECIAL GENERAL MEETING

To all members of the Auckland Society of Model Engineers

This is a notice to inform you that a Special General Meeting will be occurring on **2nd September 2025** at the ASME Clubrooms at 7:30pm.

New rules to be motioned in, taking effect September 2025 on approval of the membership:

- In 2022, The New Zealand Government signed into law the Incorporated Societies Act 2022, which takes effect on April 2026. ASME must update its rules regarding disputes/hearings to fit within the new guidelines and a change to the rules requires us to hold a special meeting to ratify them into action.

If you would like to read about the law changes, you can do so here:

<https://is-register.companiesoffice.govt.nz/help-centre/getting-started/new-legislation-for-incorporated-societies/>
<https://www.legislation.govt.nz/act/public/2022/0012/latest/LMS100809.html>

- In discussion with committee and society members, it has been decided to amend the rule regarding the maximum presidential term, removing the three consecutive term limit *so long as* they are ratified at an AGM with a 75% vote and are running unopposed.
- At the request of Mike Jack, members may submit written votes for notified motions in AGM's and SGM's. They may also proxy their vote to another member by email or letter to the secretary.

Workshop Night

August Workshop Night Recap

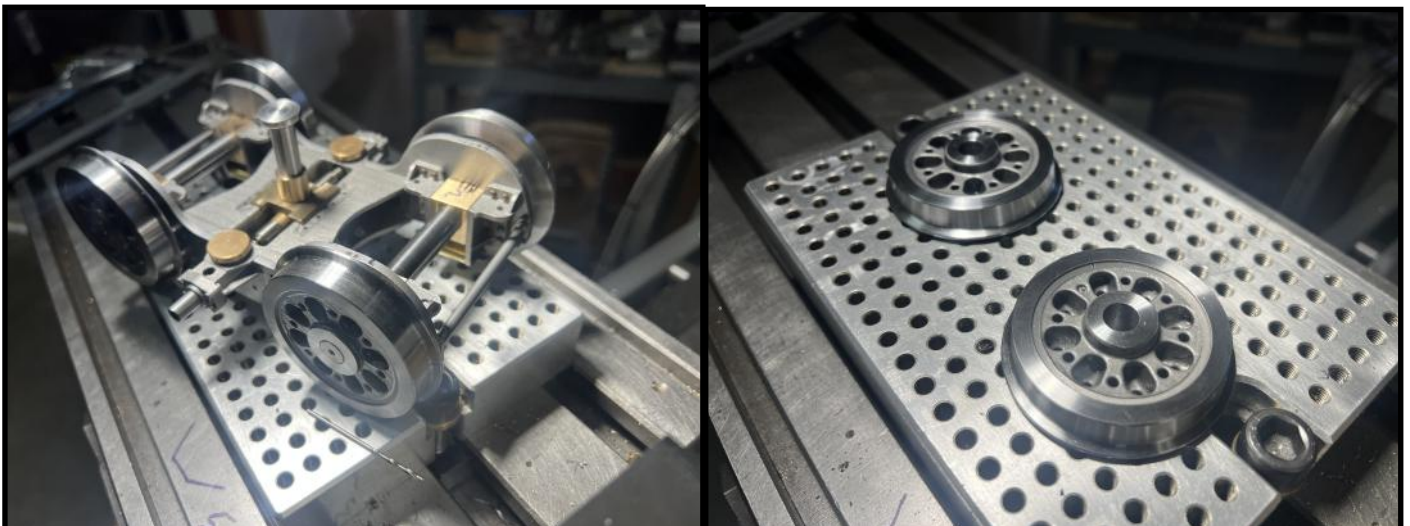
Although attendance was lighter than usual for our August Workshop Night, the evening was no less engaging.

Mike Jack was the sole contributor with items for discussion, continuing his impressive work on the prototype locomotive commissioned by an overseas client. The first bogey is nearing completion. The bogey wheels, cast in 4140 steel, arrived with a generous amount of excess material, requiring significant machining. The final result, however, boasts an exceptional surface finish—testament to Mike’s craftsmanship.

Mike also shared a pair of bronze funnel castings that illustrated the challenges of working with thin sections. One casting suffered from incomplete pouring, resulting in holes where the bronze froze prematurely. The second casting also had a similar flaw but was cleverly repaired using laser welding. A small, intact section from the faulty casting was seamlessly joined to the good one—so precisely, in fact, that the repair is nearly invisible without magnification.

Dave Housley gave a practical demonstration of **Alibre CAD software**, using the overhead projector to walk members through the basics of turning ideas and sketches into mechanical drawings. His presentation sparked interest among four members, who are keen to take up **Mike Jack’s offer of CAD tuition**.

Mike will expand on this opportunity at our **October General Meeting**, where he’ll cover CAD concepts, best practices, and how modern technologies can enhance model engineering.



Roger Stratton's Laithe & Mill for sale

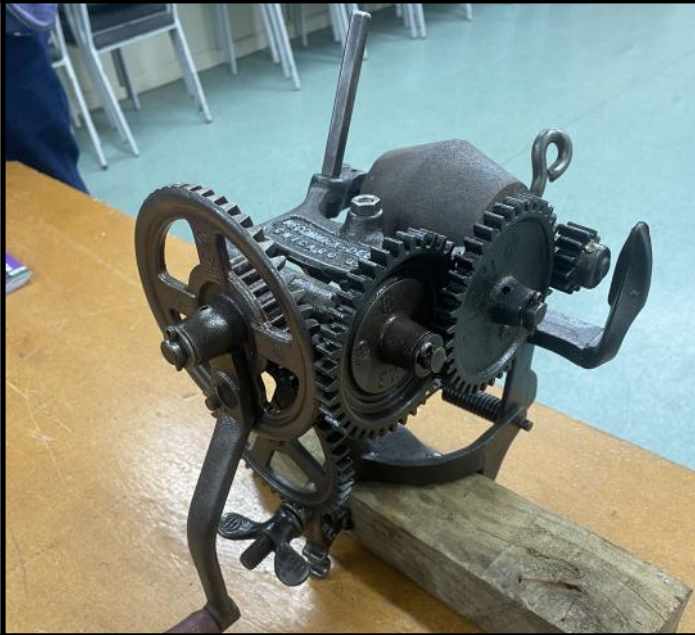
Roger Stratton is putting his Laithe and Mill up for sale. If you are interested in purchasing either or both items, please send send your request to info@asme.org.nz and we can send you Roger's contact information.



Bits & Pieces



A while ago, Ron Copeland brought in an old knife sharpener that he acquired. He's since repaired and refurbished it, removing the rust and giving it a good clean. It's looking significantly better now! He removed the rust by soaking it in Evaporust... which also ended up removing the paint! After using some Penatrol to clean it up, he's managed to get it going really smoothly.

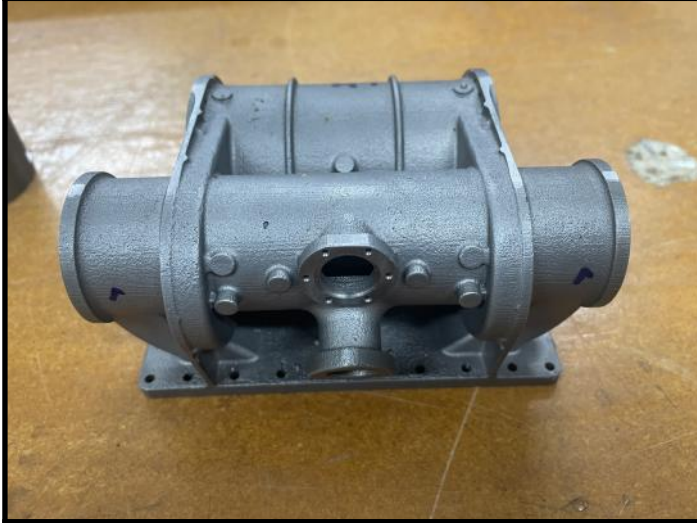


Dave has 3d Printed a stainless Camaro exhaust as a new engine part. He had a company called 3D Solutions who did a 3D scan of the cavity and then produced a design that would fit. Because it was too large for the printer, it had to be printed in three pieces! After putting out a tender for a supplier, it was picked up by a Chinese company that had the new part sent to him within two weeks.

Bits & Pieces



Greville has been working on fixing the Leafsucker that we use to clean the tracks. The main shaft of the drive trolley had worn away and snapped in two, so he brought it in to show. He's since made a new drive shaft that's working greatly in place now.



Mike Jack has continued with his work for his customers across the world and has brought in the newly finished cylinders that he has spent the last while building. As usual, his machine work is immaculate, really showing the high quality detail that would have been shown on the original full scale locomotives.

