

The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

PO Box 14570, Panmure, Auckland 1072, NEW ZEALAND

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Number 691

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July 2023

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REGISTERED NEW ZEALAND PUBLICATION



ASME Steam Education Day

President's Report July 2023

Good day

I hope that everyone start to winter is going well. Work on the track at the club has been going very well and we are looking to implement the first set of points within the next month of so. Mike Banks and Mike Jack have been hard at work on this and the progress is extremely commendable.

I am also excited to announce that at the next general meeting on the 4th, we will have a guest speaker: Arnold Van Zon will be speaking about his cycling trip to Cuba and the United States! I'm sure that this will prove to be a most interesting discussion.

Last week on the 21st we hosted a special event for the Weymouth Childrens Play Centre whose children most excitedly came for a ride on the trains. If we get any more requests for special events, I will let everyone know in advance for any extra volunteers we can muster.

The committee is also looking into doing a recruitment drive later this year to increase our membership. We are aware that a bit of strain is on our train controllers and drivers being on so often so we will be seeing what we can do to alleviate this.

A reminder to train controllers, please ensure that everything is available for the working team each Sunday. If a resource such as badges or tickets are running low, please let us know on the daily running report.

Thanks

Philip Dowdeswell

ASME President

Remember to watch the ASME Website. www.asme.org.nz

Members should keep a lookout on the MEANZ website too, www.meanz.org.nz. It is a good place to find other clubs.

When you are travelling, just like us, our friends nationwide always welcome visitors.

THIS MONTH'S CALENDAR

Tuesday, July 4th 7 .30 pm - General Meeting, (Clubhouse)
Tuesday, July 11th 7.30 pm - Workshop Night, (Clubhouse)
Tuesday, July 18th 7.30 pm - Committee Meeting, (Zoom)



Train Roster

ASME				DUTY ROSTER		
Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard
2-Jul-23	M Vickers	C Whitisie	Voluntary	<u>S Meikle</u>	R Souter*	A van Zon
9-Jul-23	R Reichardt	I Ashley	Voluntary	<u>D Russell</u>	D Wilson*	A Tolstykh
16-Jul-23	A Bailey	D Housley	Voluntary	<u>G Wills</u>	R Shearer*	B Matchett
23-Jul-23	J Lankow	M Moore	Voluntary	<u>B Aickin</u>	R Crook*	L Brown
30-Jul-23	C Whitisie	A van Zon	Voluntary	<u>P Dowdeswell</u>	M Vickers*	R Copeland
6-Aug-23	R Reichardt	I Ashley	Voluntary	<u>T Lawrence</u>	M Luxton*	R Mascarehas
13-Aug-23	A Bailey	B Matchett	Voluntary	<u>S Meikle</u>	K Ryan*	A Tolstykh
20-Aug-23	D Housley	R Shearer	Voluntary	<u>D Russell</u>	R Souter*	D Wilson
27-Aug-23	J Lankow	M Moore	Voluntary	<u>G Wills</u>	M Vickers*	L Brown

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.

The details of the swap should be noted in the Run Book. Also, please ensure the member you arrange a swap with is one who is rostered to undertake the same role to ensure we always have members with the appropriate training and experience on the day.

Club Notices

The annual ASME Club Lunch is confirmed for;

Saturday December 2nd, at Waipuna Hotel.

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.

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. This gives access to an ME and MEW e-sub. If you encounter difficulties take your device (an iPad is ideal) into any Auckland Library branch.

ASME Steam education day

Sunday 12th of June was the alternate day for the steam education day . Three members attended with a couple of experienced engine drivers Grant Anderson and Allan Bailey in the back ground adding to the day- with their knowledge. The course was led by Bruce Cooper explaining the preparation of the clubs loco before lighting the fire then the routine of checking all control items and the essential oiling of components and eventual testing of all safety component i.e. blow off valves, Injectors, oiler systems and maintaining the fire and water levels whilst keeping pressure levels adequate, quite a demand for first time, hope the lads remember all that was imparted to them. Our apprentices were Phillip Dowdeswell (our president), Bruce Matchett and one of our younger members Henry Dando. Bruce also kindly brought three of his engines for use on the day. After the education was done our apprentices were allowed to the track to run the engines under supervision, thank you to Allan Bailey who took Henry under his wing. We must thanks Bruce for his time and the use of some of his collection. I hope that there will be more of these days in the future.

Photos and commentary by Dave Housely

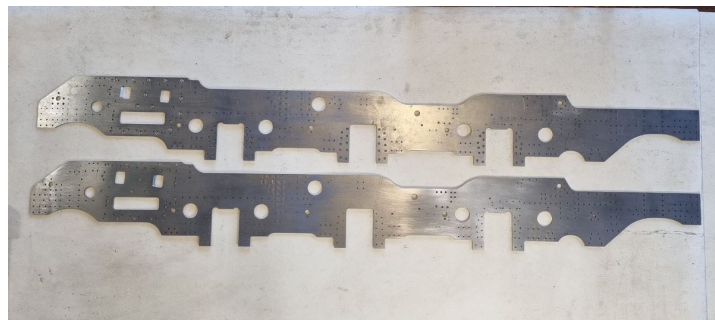


Workshop night

Mike Jack bought in the frames of a BR class 3 loco he is building. He supplied the drawings, had them laser cut and pierced then finished the size drilling in the cnc for accuracy. The smallest holes were for a M1.2 diameter thread of which there are a fair few. Also brought in was a pair of peticoats and an under chimney plate for a L.M.S. Duchess Pacific 7 1/4 gauge. These were again off both Mike's cnc's.

Martin Plant brought in his duplex oilers saying he has made a little progress with them and all that is needed now for completion is a couple of springs and two ball bearing shut offs.

The discussion moved on to manufacturing techniques experienced throughout the industry and various methods to produce items, the subject of cluget piston rings came up. Mike referred to a video on YouTube by Christopher Vine on the subject titled how to make cluget piston rings. At Peter's Railway also mentioned were a series of videos by Stefan Gotteswinter on various traditional engineering crafts.



The points project

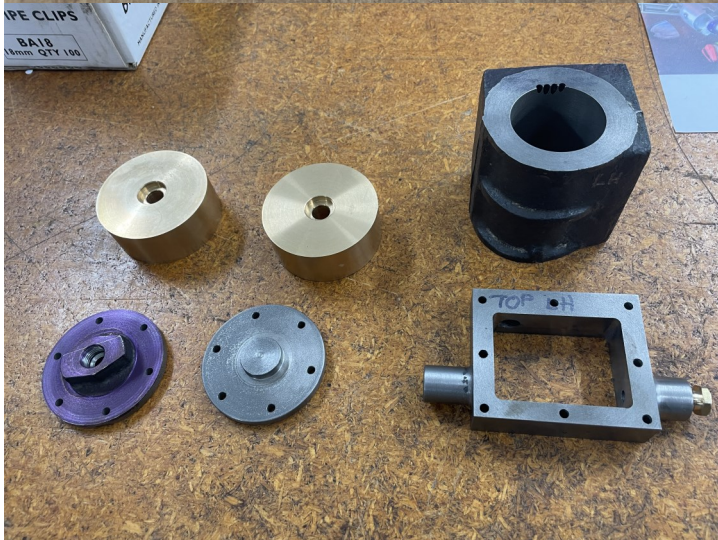
The two mikes, Mike Banks and Mike Jack are working along to get the points ready for installation to the track so her are two photos of the second set in assembly



Bits and Pieces—6th June 2023



Greville brought in a pipe valve that he has acquired from an online store and was hoping to acquire some assistance in identifying the valve's operations.



Dave Housely brought in the cylinder for his Bjax Locomotive. While impressive, he needs to continue working on it as the rivets don't quite fit in their sockets!



Bruce Cooper 3D printed a faceplate for his locomotives with the assistance from a friend. While it would be remiss to not acknowledge that it bears a striking resemblance to a famous locomotive we all know, he intends to modify it ever so slightly and use it on his locomotives for special days.

Bits and Pieces—6th June 2023



This mechanical boiler was rebuilt by a visitor, Rodger Kallu. Rodger sought advice on replacing a gear wheel connecting two components. Recommendations were made to instead switch to a chain or belt connection.



Roger Shearer has acquired a unique tool that makes crimping cables significantly easier for a greatly reduced price! The crimping tool can be bought with all components from Ali-Express.