

The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

PO Box 14570, Panmure, Auckland 1072, NEW ZEALAND

Club House: Peterson Reserve, off Peterson Road, Mt Wellington, Auckland 1060

Number 653

February
2020

Telephone: 09 570 5286 Club Web Site: www.asme.org.nz

President Mike Moore 09 443 6050
e-mail address president@asme.org.nz

Secretary
e-mail address info@asme.org.nz

Editor John Lankow 09 576 5400
e-mail address editor@asme.org.nz

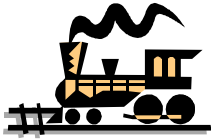
REGISTERED NEW ZEALAND PUBLICATION

Stationary Engine

It might not be going anywhere, but this was one of many fine exhibits at the recent ASME 60th Anniversary Exhibition. Pictures of other exhibits, taken by Greville Wills, are to be found on pages 7 and 8.

And when you've finished reading the Micrometer, check this out: https://www.youtube.com/watch?v=NCp2ROiSI_c&t=716s (Reference supplied by Mike Moore).





Train Roster

	Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard	
	2-Feb-20	M Moore	R Reichardt	Voluntary	<u>G Anderson</u>	K Ryan*	D Vaughan	
	9-Feb-20	A Shirley	B Matchett	Voluntary	<u>D Russell</u>	A Stratton*	M Vickers	
	16-Feb-20	P Woodford	I Ashley	Voluntary	<u>G Wills</u>	P Tomkies*	D Beecher	
	23-Feb-20	A Bailey	G Beazley	Voluntary	<u>B Aickin</u>	D Wilson*	R Stratton	
(Start)								
11:00am	1-Mar-20	M Hollis	D Housley	Voluntary	<u>P Dowdeswell</u>	R Crook*	M Luxton	
1:00pm	1-Mar-20	J Lankow	M Plant	Voluntary	<u>T Lawrence</u>	B Matchett*	D Vaughan	
	8-Mar-20	M Moore	R Reichardt	Voluntary	<u>S Meikle</u>	K Ryan*	M Vickers	
	15-Mar-20	A Shirley	P Woodford	Voluntary	<u>T Robinson</u>	R Shearer*	D Beecher	
	22-Mar-20	I Ashley	G Beazley	Voluntary	<u>G Anderson</u>	R Souter*	R Stratton	
	29-Mar-20	M Granger	M Hollis	Voluntary	<u>D Russell</u>	P Tomkies*	A Stratton	
Note: There is a double roster for the Panmure Basin Fun Day on the 1st March, 11:00am to 2:00pm and 1:00pm to 4:00pm. (Early crew to start setting up from 10:30am.) This gives an over-lap of 1 hour so members can have a lunch break.								

Bold and Underlined Name = **Train Controller**, i.e. the person in overall control of all operations for the day

Bold with Asterisk* Name = **Stationmaster**, i.e. the person responsible for activities in the station area and for the day's takings.

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.**

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.

FEBRUARY CALENDAR

Tuesday February 4th, 7.30pm - General Meeting, ASME clubrooms. Jess Singh, General Manager of House of Science, West Auckland, will be showing us one of their science resource kits and telling us about what they do. (See also Timothy's report below).

Tuesday February 11th, 7.30pm - Workshop Night, ASME clubrooms

Tuesday February 18th, 7.30pm - Committee Meeting, ASME clubrooms

Coming Up - Panmure Basin Fun Day, Sunday March 1st. from 11am. Assuming the weather is fine, there will be lots of passengers riding our railway, and volunteers will be required to assist with "crowd control". Please come if you can. Lunch will be provided.

Auckland Society of Model Engineers Incorporated

President's Annual Report

For the year ended 30 September 2019

Another year has passed which has been generally successful. As the General Manager's Report shows, the Society completed the year with track receipts up, even with rained out Sundays. The Club has provided about 14,500 rides to the public on its Waipuna Miniature Railway (WMR) as a community service - a significant contribution to the enjoyment of the citizens and children of Greater Auckland. In addition, a donation was made to a worthy charitable cause; this year the House of Science, Auckland, who provide science resource kits to primary schools to help in the education of young people. We finished the year with assets and reserves in sound shape which gives confidence for the future. On the works front, progress was achieved by a small band of regular workers, doing maintenance and other work.

The Society ran an extended service on the WMR to assist the Local Board of Auckland Council's support for the Panmure Basin Fun Day in February.

Monthly General Meetings were held on 11 months of the year - programmes included regular display of members' current work "bits and pieces", presentations by members on subjects of interest, the annual auction, and several short DVDs, all followed by supper and a good natter. Workshop Nights were re-introduced early on, with 11 additional meetings held during the year. The Society's newsletter, The Micrometer, was likewise published on 11 occasions during the year and kept members up to date as well as covering matters of allied interest.

At year end, ASME celebrated 60 years of activities, with a 60th Anniversary Exhibition at the Clubrooms and a combined 60th Anniversary/Xmas Party luncheon. Afterwards, prizegiving of various awards and a movie were enjoyed.

In closing off, I would like to thank all those members who have helped in any way to advance the progress and assist the smooth running of the Society during the year

Timothy Robinson

President.

And our new President, Mike Moore, presents his first Report:

January 2020

Welcome to 2020, a new year, a new decade, and a new President. I have been Secretary for the last few years as no-one else was brave/mad enough to take it on, and perhaps I have become President for the same reasons! But seriously, I have enjoyed my time on the committee and would like to thank the outgoing President, Timothy Robinson, and the other members of the committee for their help and support in this time.

This means at present the position of Secretary is vacant and will be taken up in the short term by various members of the committee until a permanent replacement is found. The task is not too arduous or time consuming, consisting primarily of attending (most) meetings, writing up the minutes, and replying to correspondence. The committee has several openings available, so if you would like to contribute to your club and help share the workload please put yourself forward.

The past year has seen the club face a number of changes and challenges, with good progress being made toward completing the Track and Trolley Project, as well as considerable concern being expressed regarding the proposed changes of legislation under which we operate the track. I can foresee the carpark being an ongoing issue, as, despite follow-up emails, no response has been received from AC about our letter of complaint.

I would like to thank Grant Anderson, Greville Wills, Timothy Robinson, Mike Banks, and Tony Lawrence for their work, as well as to those members who regularly show up to assist on Saturdays (I know that this doesn't always suit, me included), and these regular chores are essential to enable Sunday Running and to free up the T&T team to continue their work. Special mention goes to Bruce Matchett who not only attends most Saturdays but also rarely misses a Sunday. If you are able to contribute a couple of hours it is appreciated.

Also to be commended are Greg Burrows and Peter Woodford who have started/resurrected the workshop evenings on the second Tuesday of the month. This is a great opportunity to share info, seek advice, and encourage modelling and it is good to see them being well attended.

Thanks also to our Librarian, Mark Luxton, who diligently maintains and improves the library, and to Allan Stratton who has digitised our video library. We have a wonderful resource which is now much easier to access, and, whether you are seeking information, ideas, or just want to peruse something interesting, this is something which should be made more use of by all members.

Special mention also to Dave Housley and his small team who organised the excellent Club Exhibition and prize giving. The only slight disappointment was the relatively low numbers of the public who attended, and the committee will look at ways to improve this next time.

Thanks also to Greville for organising the Xmas function at Ryder's restaurant. The combination of good food, great company, a relaxed setting, and few traffic hassles made for an enjoyable time. There was a good turnout of members and partners but we could have accommodated more so we hope you will all give serious consideration to attending this year.

Looking ahead, there are a number of jobs planned including work on the underpass, the crib wall, the turntable, and the points and reversing track, which will require special working bees and the committee will keep you all informed of progress.

Sunday Running remains the most important task of the club, which not only ensures our financial security

but also our right to exist where and how we do. If you are available and not currently on the roster please let Greville know; if you are unable to commit to a rostered duty but would be willing to step in if another member is unable to do his duty, please let him know that too (we currently have a couple of members in this category). With only five members on a Sunday it can get very busy so it places a huge burden on the rest of the team if they are short, so just a reminder that if you are rostered on it is your responsibility to find a replacement if you are unable to attend (BOTH TC's must be notified in the event of a duty swap).

If you have an interest or experience you would like to share, or are able to convince an associate to give a presentation on a subject of interest to the club, please make it known at a General Meeting or email the committee, including a date which would be suitable. We have had some fascinating talks over the years and are always looking for more.

I hope the new year is treating you well and I look forward to seeing you all at the GM on 4th February, Mike Moore.

Dave Giles' Organised Ramble – Before the Hamilton Steam 'N Steel Convention – Jan 2020

We had several visitors to the ASME Track on the morning of the 8th January 2020:

From Australia: Ivo Bunker, Les Irwin, Murray Ritter, Gerry Dowling, Peter Shanks, Harvey Dart, Doug Wells, Jeff Clifton.

From UK: Jim Nolan

From MLS: Dave Giles, Johnathan Ordish.

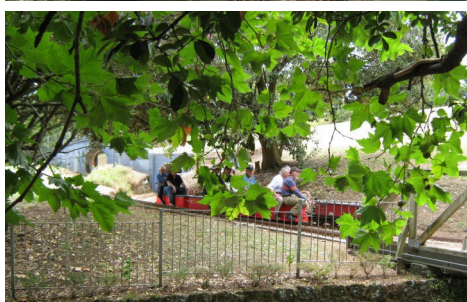
Grant gave a brief run down on the history of ASME then took the visitors for rides around our track after which several also drove our club locos around.

ASME members present to meet the visitors were:

Grant Anderson, Greville Wills, John Lankow, Tim Robinson, Alan Pritchard, Bruce Matchett.

Grant's partner Jan put on a wonderful morning tea.

Greville Wills. (Plus some not exactly outstanding photos by the Editor)



Many hands make light work

New 7¼" Bogies

The task of making ten bogies for our new riding trolleys has recently concluded. This was a joint effort by several ASME members and illustrates how a task can be made easier by spreading the job among several people.

The bogies were designed by Dave Giles.

Following are the steps used in making each bogie, the details of what needed to be done and the members who performed the actual tasks:

1. Arrange for frames to be cut and steel stocks sourced - Grant Anderson
2. Make frame spreaders - John Lankow/Tony Lawrence
3. Mill axle boxes - Peter Woodford
4. Make brake spreaders - Mike Moore
5. Turn up the axles - Mike/Tony
6. Fit bearings to wheels - Grant
7. Drill holes (in one wheel for each trolley), to house speedo magnets - Grant
8. Make brake linkages - Greville Wills
9. Make spring support brackets - Greville
10. Make quick brake adjustment thread - Greville
11. Fit car brake shoes to brake arms - Greville
12. Make speedo sensor brackets - Greville
13. Final assembly - Greville

Two completed bogies on display at ASME's 60th Anniversary Exhibition



More photos from ASME'S 60th Anniversary Exhibition

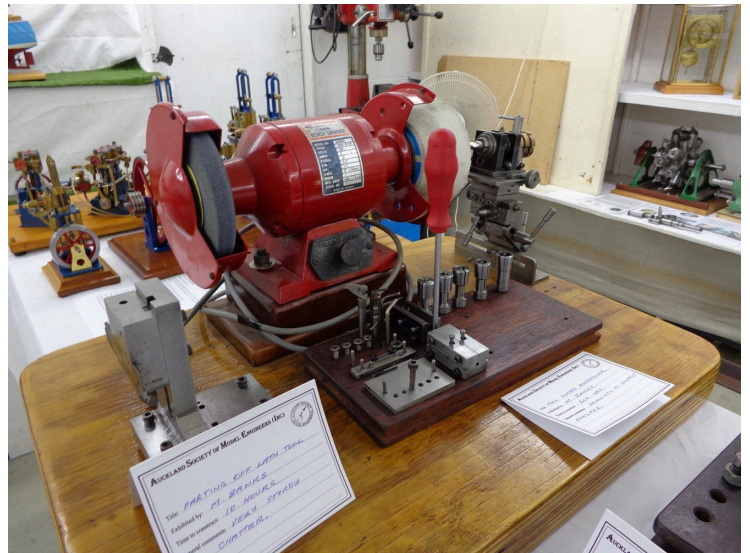
In the December 2019 Micrometer you would have seen pictures of members' award-winning exhibits. These pictures are of other items shown at the exhibition and were selected from photos taken by Greville Wills.



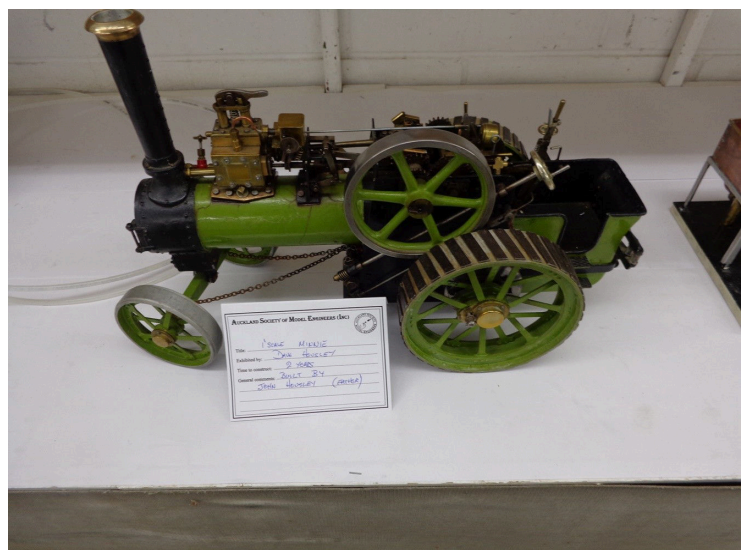
2-4-0 Beejax variant, "Sir Warrick", built by Brian Mould, now owned by Greville.

On the track above can be seen the editor's 3½" gauge Britannia chassis, bought at ASME's 2012 club auction.

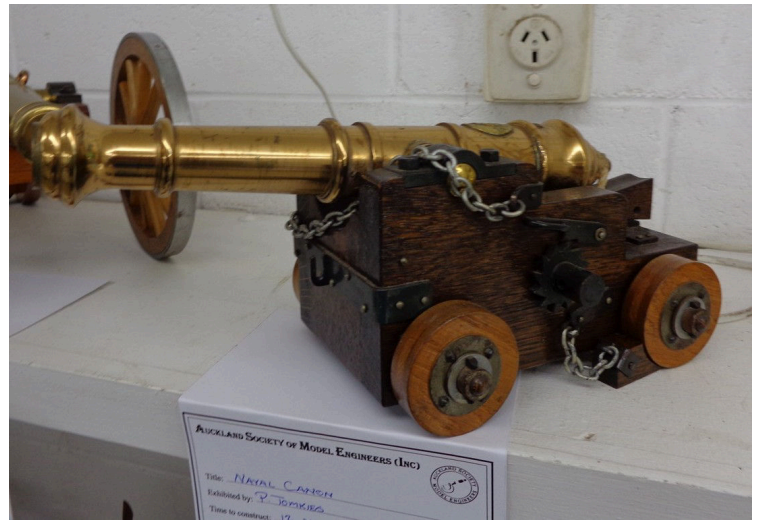
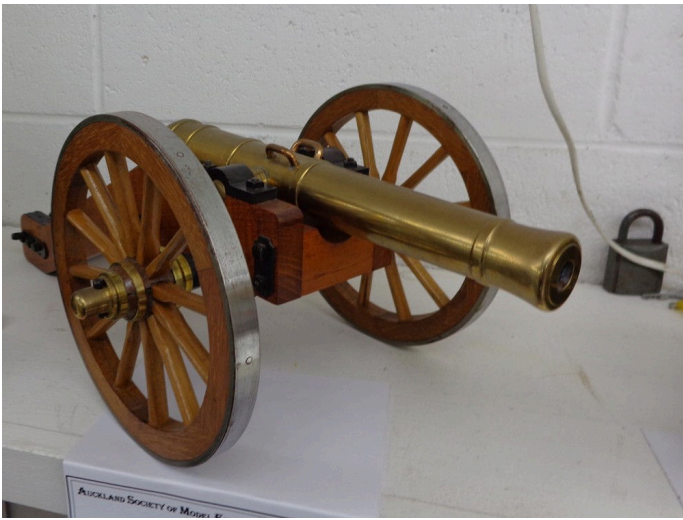
Mike Banks' cutter sharpener attachment for a standard bench grinder; also a very strong parting--off lathe tool he designed and built.



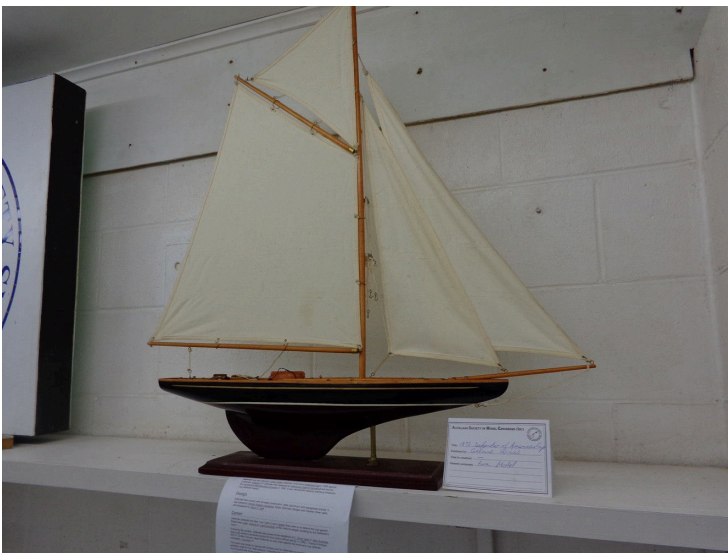
A fusee clock exhibited by David Wilson



This traction engine was exhibited by Dave Housley, built by his father John Housley.



Two cannons exhibited by Peter Tomkies were built by his father, Ren Tomkies. On the left a Civil War cannon, and on the right, a naval cannon.



A rare model yacht, the 1875 defender of the America's Cup, exhibited by Greville.

A departing view of Greg Burrows (with passenger) aboard his Kresta Cup award-winning Foden 1/3-scale steam truck. The vehicle is road-licensed. Greg sits on the left hand side to drive it, because it was designed that way to make it easier to see the edge of the road when the road was exceptionally narrow, or when meeting another vehicle coming from the opposite direction.



Bits and Pieces, 3rd December 2019

Photos and report by Dave Russell



Wow, what is it? This one had us all guessing on the night, the best answer we had was that this set of brass balls of various sizes and other tools were for creating a radius on something !.

So I did some serious googling and now think these are "Millinery Hat Making Tools" that also are used for making artificial flowers. Obviously, both are now heading the way of other lost arts. The set was very complete and could be worth a bit to a serious collector.

Mike Banks brought in a sample of the type of "bike" speedo suitable for model locomotives. These are good because the adjustment lets the unit be programmed down to the wheel size we use. The plan is to fit these to the leading trolleys on the club trolley sets so that drivers can easily see what speed they are doing, and to stay within the safety standards of the club.



Mike also brought in some hose that he has searched out as suitable for tender-to-loco coupling. The old red example has gone brittle and hard. Hopefully this new type will be better, and we can then report on its name.



Mike Jack has been busy making some new casting patterns for his ME-sized machine vices. These are now sold by several agents around the world, with a new addition being a specialised Euro precision machine dealer.

Interesting points of the new pattern production is the fact that the heavy manufacturer's sticker is now sunken into the top casting so will not get "rubbed" off.

The small milling cutter also used in the pattern production is only 0.3 mm. Thank God for CNC!

