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The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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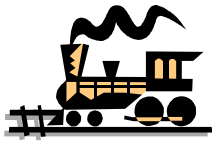
REGISTERED NEW ZEALAND PUBLICATION

Not exactly busy...

Blenheim Railway Station sits idle following the Kaikoura earthquake on November 14th 2016. However, the line is now fully repaired and the Coastal Pacific passenger service between Picton and Christchurch is set to resume on December 1st 2018.

(Photo taken 8/17).





Train Roster

	Electric	Electric	Steam	Train	Station /	Station /	
Date	Driver	Driver	Driver	Controller	Guard	Guard	
4-Nov-18	R Reichardt	P Woodford	Voluntary	<u>B Aickin</u>	D Wilson*		
11-Nov-18	I Ashley	A Bailey	Voluntary	<u>P Dowdeswell</u>	L Brown*	M Vickers	
18-Nov-18	G Beazley	M Hollis	Voluntary	<u>T Lawrence</u>	R Copeland*	D Beecher	
25-Nov-18	D Housley	A Shirley	Voluntary	<u>S Meikle</u>	R Crook*	S Shirley	
2-Dec-18	J Lankow	D Moffatt	Voluntary	<u>T Robinson</u>	M Luxton*	D Vaughan	
9-Dec-18	M Moore	P Moy	Voluntary	<u>G Anderson</u>	A Stratton*	M Vickers	
16-Dec-18	M Plant	R Reichardt	Voluntary	<u>D Russell</u>	R Stratton*	D Beecher	
23-Dec-18	P Woodford	I Ashley	Voluntary	<u>G Wills</u>	P Tomkies*	D Wilson	
30-Dec-18	-----	Xmas / New Year Break - No Roster in Operation -----					

Bold and Underlined Name:

This is the designated **Train Controller**, i.e. the person in overall control of all operations for the day

Bold with Asterisk* Name:

This is the designated Stationmaster, i.e. the person responsible for activities in the station area. The Stationmaster is also responsible to account for the day's takings.

Drivers: Please keep your eyes open for unusual or suspicious behaviour around the track which may affect the safety and/or smooth operation of our trains. Report such activity to the Train Controller.

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.**

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.

NOVEMBER CALENDAR

- Tuesday November 6th, 7.30pm** - General Meeting, ASME clubrooms
- Tuesday November 13th, 7.30pm** - Workshop Night, ASME clubrooms
- Tuesday November 20th, 7.30pm** - Committee Meeting, ASME clubrooms
- Friday November 23rd, 6.30pm** - **ASME Christmas Dinner** at the Remuera Club

Coming Up: - Tuesday December 4th, **Annual General Meeting**, ASME clubrooms

Saturday/Sunday November 10-11, - Steampunk Weekend, Thames Small Gauge Railway Society, Brown St, Grahamstown, Thames.

Committee Comments

Committee Comments – November 2018

Tony and his Saturday team have finished correcting the camber on the curve in the Trestle Bridge, and it now rides much better.

The annual ASME auction was held on October 2nd. Tony performed the function of Auctioneer as our regular auctioneer, Mike Jevremovic, who had earlier accepted our invitation to do the honours, suddenly found himself in hospital having urgent eye surgery. We wish him a speedy recovery and hope everything is going according to plan.



Some of the “quality merchandise” on sale. A great time was had by all, and it’s unlikely that anyone went home empty handed.

Workshop Nights have been revived, thanks to Greg Burrows and Pete Woodford. These have been missing from the agenda for some years now, and the first meeting, held on Tuesday 9th October was attended by a good crowd. See report later in this issue.

Greville has been having problems getting the security camera in the engine shed going. The problem has now been pinpointed and the camera should be up and running by the time you read this.

The collection bag for the leaf-sucker has had a bit of a rough life with the initial use including sucking up stones, etc causing the bag to prematurely wear out in places. Bob Aickin and Bruce Matchett have been trying to locate a replacement bag but without success. It looks like a new one will have to be made once a suitable material has been found. If anyone thinks they can help with this, please contact Bob or Bruce.



Notice of Annual General Meeting of Auckland Society of Model Engineers Incorporated

The Committee gives notice that the next Annual General Meeting will be held at the ASME Clubrooms, Peterson Reserve, Panmure on Tuesday 4th December 2018 commencing at 7.35pm.

The Agenda items will be the relevant items as set out in Rule 16.

New committee members are required. If you think you are committee material, don't be backward in coming forward!

ASME Christmas Dinner

Venue: Remuera Club, 27 Ohinerau Street, Remuera. Plenty of parking available.

Date: Friday November 23rd 2018. (It's going to be an early Christmas this year!)

Time: Mix and mingle from 6.30pm. Dinner from 7.30pm.

Cost per head (ASME members and partners): \$29.00. This does not include alcohol, but drinks will be able to be purchased from the bar.

Reservation/Payment: Please indicate your intention to attend by depositing \$29.00 per head in ASME's bank account by November 15th, sooner if possible, so the committee can get a good idea in advance of how many people will be attending.

ASME's account number is: 02-0223-0078104-00. Include your name and "Xmasdinner" in the reference fields.

Workshop Night 9th October 2018

Report and pictures by Greg Burrows

We have got off to a good start with the restarting of the workshop night at ASME. We had approximately 16 members turn up to see what this was about and some also brought along items to talk about.

The whole idea of this night is to just get together and have a good old natter and talk about what you have been up to for the last month or so. The meeting flows along the lines of sitting around the table and in turn taking up the challenge to tell others what you have brought along, or having been somewhere (maybe on holiday) and to have something that you think will be of interest and you're willing to share your stories.

It is also a good time to ask all those questions about any engineering or other ideas on how to do something that you would like help with. (Remember the un-asked question will not get answered)

So the first night started off really well, we had quite a lot of items on the table and lots of stories to chew over. We take it in turns going around the table explaining or asking questions about what we have brought along. Sorry if I haven't got all of the names for the bits and pieces this time, I need to get more organised next time.

Peter Woodford and **Greg Burrows** brought along two tapping tools for assisting in holding our taps nice and square with the job and they can also be used for reaming. Peter's one was the Mk-2 model having been fitted with an ER-16 collet holder giving a much superior holding ability of the taps/reamers to avoid slipping when in use.

Other items from Peter were a "forget nut": it's a Tee slot nut he made up so it can be installed into the Tee slots on his mill, when you have something already clamped down and don't want to remove any of the setup. All you need to do is drop this into the Tee slot and give it a little twist clockwise and it's in place and ready to use.



Timothy Robinson brought along a pair of cylinders for a 3-1/2" gauge loco: one of the cylinders was cast iron and the other bronze. These are very old castings and he hopes to make good use of them.



Martin Plant had the smokebox of his 5" Nigel Gresley along with the etched name/number plates.



Michael Jack had some of his castings for the top boiler water feed covers for a customer and also some cab window frames he has been making out of 12mm square brass. Very nicely machined, as usual.



Michaels Window Slides



Dave Russell had the headstock of his most recent purchase from the club auction night. He has stripped it down and is giving it the once over and a good clean before putting it back together. He is still trying to work out if it (the lathe he bought) has a brand name and what it might be, as it is very old and came out of the workshop of the late Guy Hocking. The spindle has what appears to be some sort of C series collet in it that the chuck was held on with. Many members had a good look at it and seem to think it might be something like a 3C size, so more research is required. David has done some searching of the internet but nothing has popped up yet. He is very pleased with his purchase and reckons it will make a good addition to his workshop. He also has a set of nut spinner /spanners 4mm and up to about 10mm from that most favourite place on the internet (Banggod) and is happy with them apart from them wanting to roll off the bench all the time. So he set to and has machined a flat on them to stop this happening.



One of the younger members (sorry I didn't get your name) had been to a presentation before coming to the meeting and had a small sample of a new Earthquake joint that has been designed for buildings that when activated will return to its original shape and setting: this is a clever idea and looks very promising for the developer.

And lastly Greg Burrows had some taps that he brought along to show the members the difference between a set of Würth taps and conventional taps. E.g. Tapper, Second & Bottom.

The Würth taps come in a set of three but the main difference is in the sizing of the taps. The OD of the taps are made so the first one is smaller and most of the time it has flat tops to the thread (Truncated) the second tap has a bigger OD than the first and takes a little more out of the thread as you wind it into the hole being tapped. The finishing tap is the same as a bottom tap in that it takes the final cut and the thread is finished to size. The conventional taps are the same OD on the set but have the difference of the amount of taper ground into the leading edge of them to make it easier for tapping.



The last item was also from Greg Burrows, a set of depth stops for a mill or drilling machine. The idea is you place these on the threaded part of the depth gauge on the spindle head so you don't have to wind the stop rings up to a position to set a depth you want to drill. By using these you can leave the stop rings at the bottom of their setting and you can also remove a stop block or two when you just want to spot where the next hole is going, and then replace the stop rings and drill the next hole to the correct depth without having to upset your set up.



So remember this meeting takes place at 7-30 on the second Tuesday of the month and all are welcome to come along and join in. Sorry I won't be at the next workshop meeting but I'm sure Peter and Michael will fill in for the night. Cheers, Greg B.



Workshop Practice Series Books

Gary has sent in a list of the Workshop Practice Series books that he has available in the ASME store. They are priced at \$20 each except for the Model Marine Steam book which is priced at \$41. Now might be a good time to perhaps buy yourself a Christmas present (or two) at a reasonable cost.

Anyone interested can email Gary at gary@farquhar.net.nz

1. Hardening, Tempering & Heat Treatment

Tubal Cain

3. Screwcutting in the Lathe

Martin Cleeve

4. Foundrywork for the Amateur

Terry Aspin

5. Milling Operation in the Lathe

Tubal Cain

6. Measuring and Marking Metals

Ivan Law

7. The Art of Welding

W A Vause

13. Workshop Drawing

Tubal Cain

15. Workholding in the Lathe

Tubal Cain

16. Electric Motors

Jim Cox

18. Basic Benchwork

Les Oldridge

20. Metalwork & Machining Hints & Tips

Ian Bradley

22. Workshop Electrics

Alex Weiss

23. Workshop Construction

Jim Forrest & Peter Jennings

28. Simple Workshop Devices

Tubal Cain

29. CAD for Model Engineers

D A G Brown

30. Workshop Materials

Alex Weiss

32. Unimat III Lathe Accessories

Bob Loader

33. Making Clocks

Stan Bray

34. Lathework- A Complete Course

Harold Hall

35. Milling - A Complete Course

Harold Hall

36. Photo Etching

Brian King & Azien Watkin

37. Dividing

Harold Hall

38. Tool & Cutter Sharpening

Harold Hall

39. Model Engineers' Workshop Projects

Harold Hall

41. Grinding, Honing & Polishing

Stan Bray

42. Metal Workers' Data Handbook

Harold Hall

43. The Mini Lathe

David Fenner

44. The Metal Workers' Workshop.

Harold Hall

45. Basic Lathe Work

Stan Bray

46. Workshop Machinery

Alex Weiss

47. Three Phase Conversion

Graham Astbury

48. Mini Lathe Tools & Projects

David Fenner

49 The Milling Machine

Harold Hall

Model Marine Steam

Stan Bray @ \$41.00