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The MICROMETER

AUCKLAND SOCIETY OF MODEL ENGINEERS INCORPORATED

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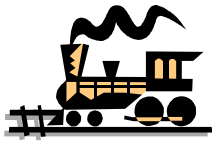
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REGISTERED NEW ZEALAND PUBLICATION

Grant Anderson attended Napier's Art Deco Festival on the weekend of 17th-18th February and took this photo of a man who is obviously dedicated to steam power!

Theo Drager appears oblivious to the Roaring Forties North American Harvards doing formation flying above him as he tends to the immediate needs of the Aveling & Porter traction engine under his care in the comprehensive steam display on the beachfront.





Train Roster

	Date	Electric Driver	Electric Driver	Steam Driver	Train Controller	Station / Guard	Station / Guard	
	4-Mar-18	M Hollis	D Housley	Voluntary	<u>S Meikle</u>	M Luxton*	D Vaughn	
	11-Mar-18	J Lankow	D Moffat	Voluntary	<u>T Robinson</u>	B Matchett*	D Beecher	
	18-Mar-18	M Moore	P Moy	Voluntary	<u>G Anderson</u>	R Stratton*	R Souter	
am	25-Mar-18	R Reichardt	A Shirley	Voluntary	<u>D Russell</u>	P Tomkies*	M Vickers	
pm	25-Mar-18	P Woodford	I Ashley	Voluntary	<u>G Wills</u>	R Crook*	D Wilson	
Note: There is a double roster on Panmure Basin Fun Day 25th March								
	1-Apr-18	A Bailey	M Banks	Voluntary	<u>B Aickin</u>	P Jones*	D Vaughn	
	8-Apr-18	G Beasley	M Granger	Voluntary	<u>P Dowdeswell</u>	M Luxton*	D Beecher	
	15-Apr-18	M Hollis	D Housley	Voluntary	<u>T Lawrence</u>	B Matchett*	D Wilson	
	22-Apr-18	J Lankow	D Moffat	Voluntary	<u>S Meikle</u>	A Stratton*	R Souter	
	29-Apr-18	M Moore	P Moy	Voluntary	<u>T Robinson</u>	R Stratton*	M Vickers	

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.

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.

MARCH CALENDAR

Tuesday March 6th, 7.30pm - General Meeting, ASME clubrooms.

Tuesday March 20th, 7.30pm - Committee Meeting, ASME clubrooms

Sunday March 25th, 11.00am - Panmure Basin Fun Day . We will be operating 2 rostered shifts on this day with hopefully 3 electric locos plus steam. We had 2 steamers and 2 electric locos running for the last PBSD, and they were kept busy the whole time. Extra volunteers will be required!

Committee Comments



On Saturday February 24th, the track and trolley crew spent the day at Waipuna Junction preparing for the installation of the first set of “real” points to enable trains to be moved off and onto the main line when required. This photo was taken mid-afternoon after the old concrete paving to the west of the station and back towards the 3-way bridge had been removed in preparation for the new layout. The existing track had been lifted beforehand and would be relaid temporarily to allow Sunday running to proceed the following day. The picture shows Tony Lawrence surveying the team’s handiwork, while lurking in the shadows were Grant Anderson and Timothy Robinson. Greville Wills, Mike Banks and Mike Moore had also taken part in the project.

Note also the recent improvements/additions made to the crib wall on the right, thanks in part to Bob Aickin.

Good Stories Needed

Guys, if you have an interesting story to tell - it doesn’t necessarily have to be about model engineering - we ask you to consider telling us about it at a monthly meeting. Your committee does its best to provide the entertainment every month, but it is never easy to find appropriate guest speakers. If you can help out, please discuss with the Secretary or President. Otherwise, we will all have to resign ourselves to watching videos at our meetings...

Bits and Pieces 13th February 2018

Presented by Dave Housley, report and photos by Dave Russell

Greville Wills has been making progress on the chute being made for the club vacuum leaf sucker (as seen in this photo from the December Micrometer - Ed). The rectangle shape now has a progressive fairing made from strips of light flexible sheet metal to blend the shape to a round tube.

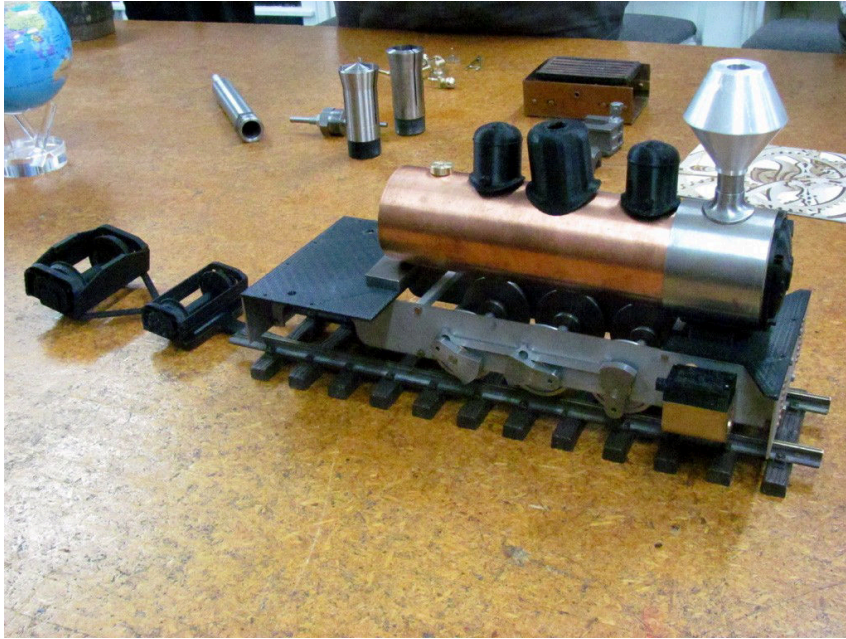


Ron Copeland had searched out this planetary hub gear box for a bicycle so that he could incorporate it in the drive from the motor to the works on a commercial grade sewing machine that he uses for sail repairs at home. Ron was surprised at the service from T Whites Bikes, who had a number of new items in stock for only \$20.

This globe was also brought along by Ron Copeland: a fascinating piece as it rotated as if suspended in mid-air by some strange magnetic force. The true explanation is far more complicated: power is provided through the upper part, being semi transparent, and lets through light to solar power the globe that floats in a clear outer shell. There is much more to it than that: check it out at <http://movainternational.com/>

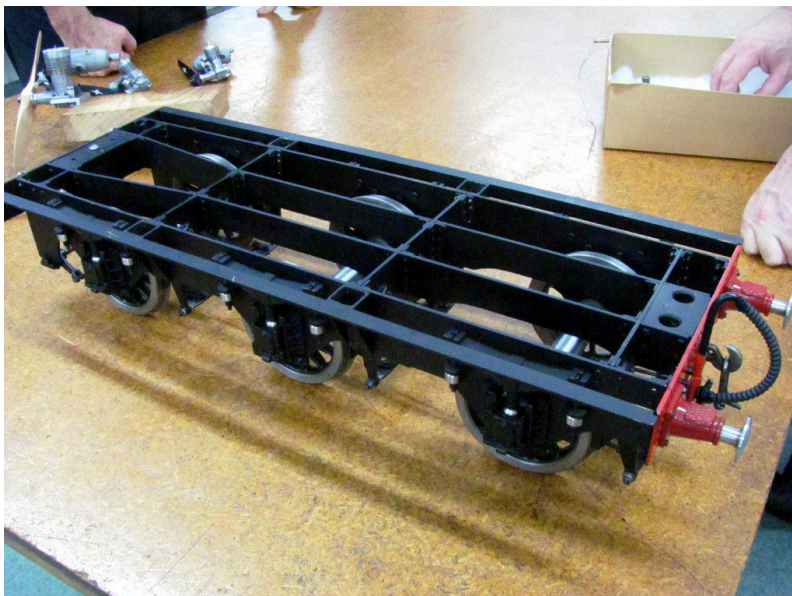
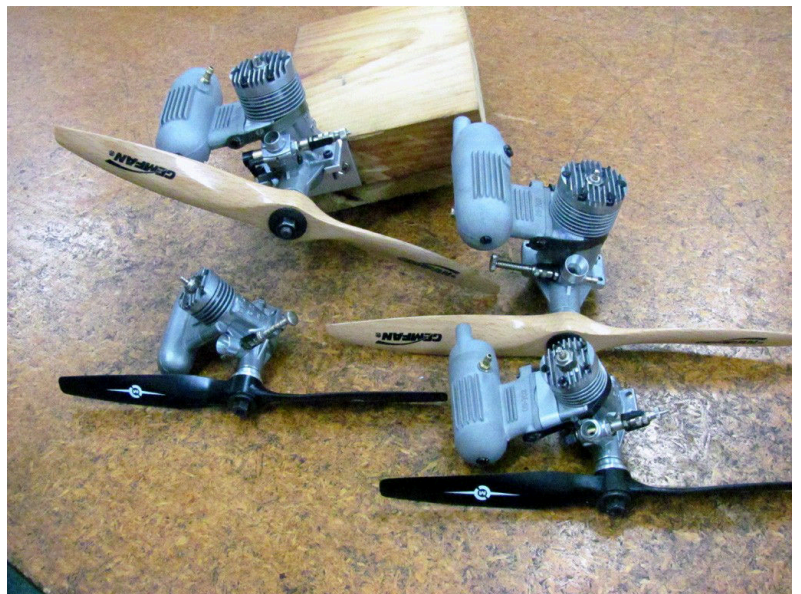


Peter Woodford explained his assortment of "5C collets" available in 0.5mm increments and also in an "emergency" style where the bore can be bored to the size required. The draw-in piece has an adjustable stop.

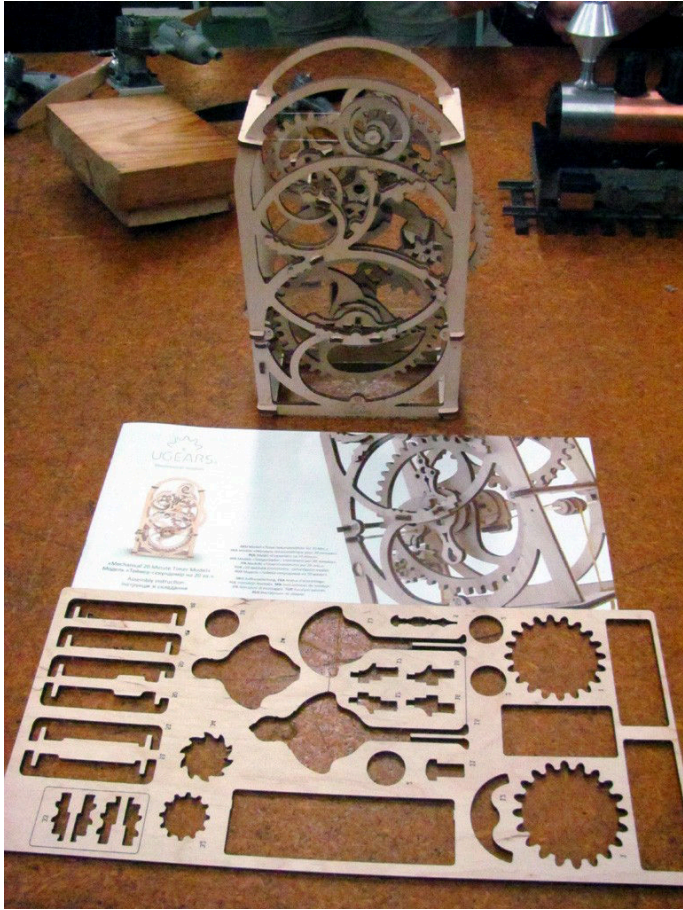


OK, so **Greg Burrows** has built one of the largest items we have seen recently in the form of his large scale Foden steam truck. Now he is going to the other extreme by building a gauge 1, (45mm) model of an Aussie 2' gauge, Bundaberg Fowler sugar cane locomotive.

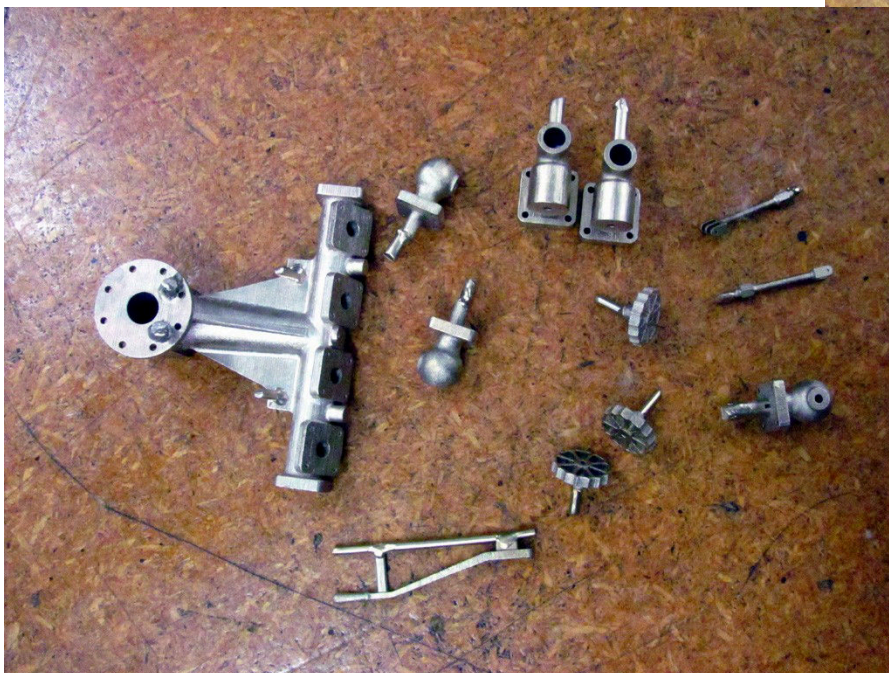
My selection of OS model aero engines were the next item. The oldest is an OS Max 10S that I received for Christmas 1976-ish. This engine powered many control line models in my youth. They were built in all shapes and sizes, small and fast, slow and aerobatic and so on. Progressing to R/C the engines got bigger and with a throttle, the crashes became bigger with more height and speed!



Mike Banks is making solid progress on the tender for his 5" GWR King with the frames stretchers, wheels and axles all together. The black paint is International PA10. Note the inner frames as per the full size - this was to transmit the locomotive's power to the train through the tender.

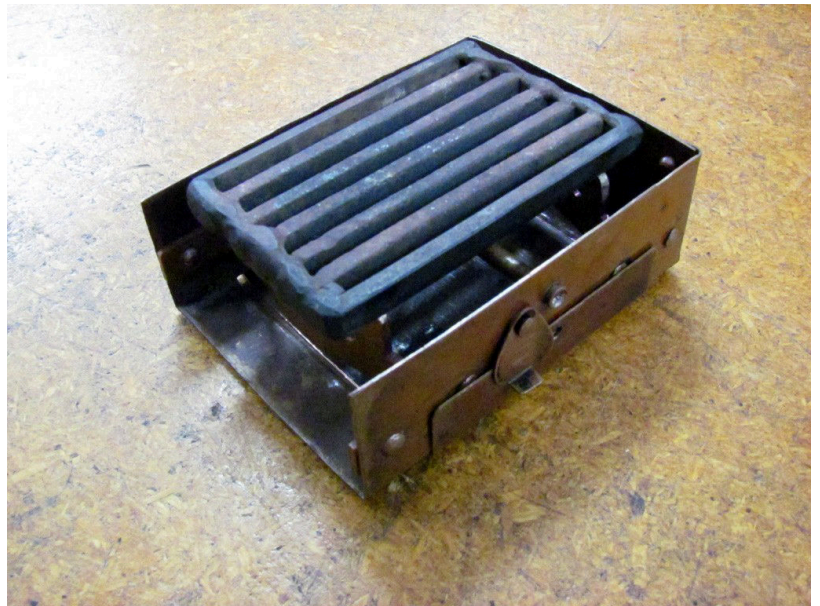


This wooden clock has been assembled by **John Lankow**. The kit came from the Ukraine and consisted of 4 plywood sheets that had the parts laser cut.



Mike Jack has had these axle boxes cast in iron from wax patterns. The highly detailed bronze manifold and valve parts (at left) are for a 7-1/4" Southern Railways Schools class locomotive. Very nice work.

The mix of coal that we are using now has necessitated the modification of some grates and ashpans on model locos. **Grant Anderson** has built a new ashpan that can be emptied without dropping the fire on his Hotpot locomotive. Apparently, some steam drivers are leaving the ashpan off altogether to allow better air flow through the fire.



Grant also brought in the pony truck and tender wheels from his Phantom. After many years of running, the wheels had developed flat spots. Steel tyres will be made and fitted to the original cast items.

When Grant's locos aren't needing maintenance he spends his time on his Ford Zephyrs. These parts make up the front top suspension strut mount. The home-made tools are made to enable the parts to be pressed together when fitting new rubbers.



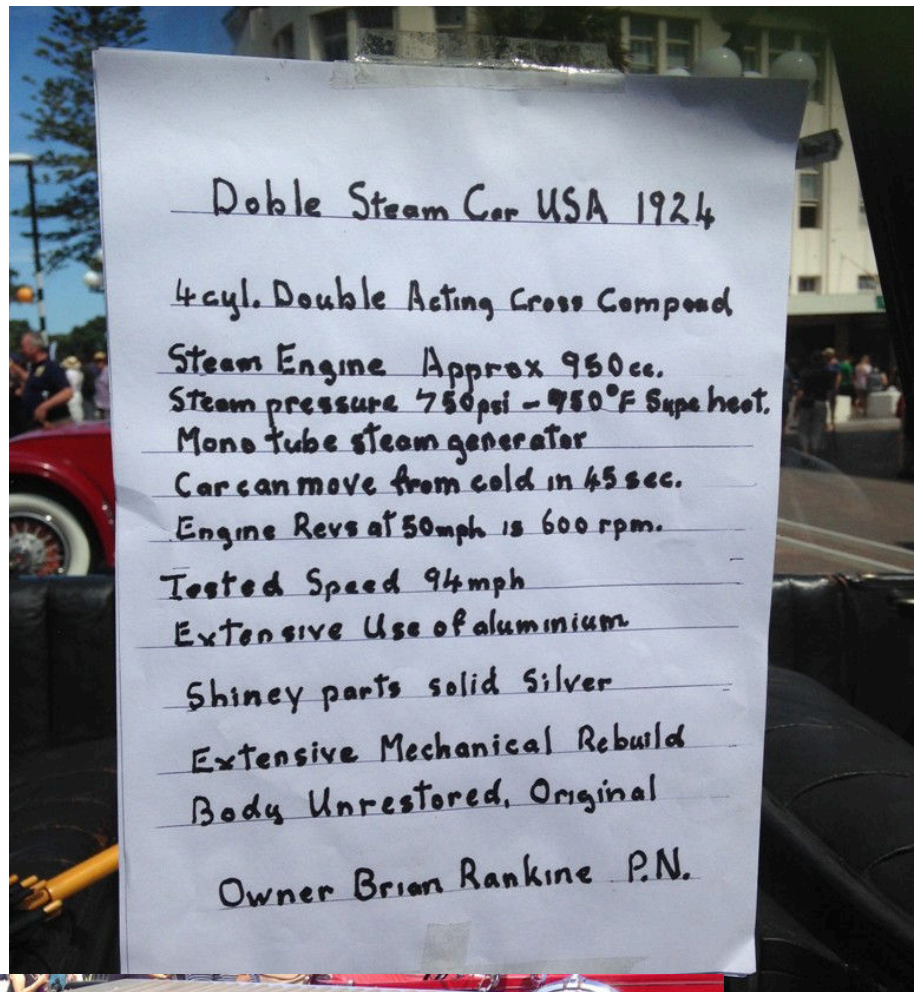
Steam Power on the Road

Grant Anderson recently spent a weekend in Napier, at their Art Deco Festival, and has provided these photos of an interesting vehicle that caught his eye, a Doble steam car. Evidently this car was Abner Doble's personal car in NZ - a photo of him is on the ASME website as part of a group of modellers at an exhibition in 1930 (see "The Beginning"). The car was on display outside the Soundshell and was one of a large number of vintage vehicles in Napier for the weekend.

On the next page is a list of the car's "vital statistics" along with a close-up view "under the bonnet".

(A lengthy article on Doble Steam cars can be found on Wikipedia - Ed).





Doble Steam Car USA 1924

4 cyl. Double Acting Cross Compound

Steam Engine Approx 950 cc.

Steam pressure 750 psi - 950°F Super heat.

Mono tube steam generator

Car can move from cold in 45 sec.

Engine Revs at 50 mph is 600 rpm.

Tested Speed 94 mph

Extensive Use of aluminium

Shiney parts solid Silver

Extensive Mechanical Rebuild

Body Unrestored, Original

Owner Brian Rankine P.N.



PANMURE BASIN

FUN DAY



FREE

FAMILY ACTIVITIES
AND CHALLENGES

AROUND THE
PANMURE BASIN
SUNDAY, MARCH 25TH 2018

11AM - 4PM

THANKS to:



Maungakiekie-Tāmaki
Local Board
Auckland Council



Fresh Concept.