

## INDEX TO THE NZ MODEL RAILWAY JOURNAL, FEBRUARY 1986 TO NOW

**SEARCHING:** You can search this index in Adobe Reader by clicking Ctrl+Shift+F or clicking the arrow beside the **Find** button. Click **Open Full Reader Search** and type a word or phrase to search for into the box headed: **What word or phrase would you like to search for?** then click **Search**.

You can search for any part word, word or phrase.

**Hint:** Take care with spelling and if in doubt use part words, ie, search for "kero" rather than "kerosine", which can be spelt two ways.

**Hint:** Most topics begin with a category heading, such as Locomotivory, Tools, etc, and it may often be useful to search by one of these categories.

Your search will return a list of all the matches to the text you typed. You can click on any of these to see the full entry and what else is in the same *Journal*. (Note: The matches listed usually include text from the beginning of the next item. The end of the searched item is marked by two hash ## signs.

**Errors and other problems:** Please report typos or other errors, or any problems using the index to Peter Ross, [peterr@inet.net.nz](mailto:peterr@inet.net.nz)

### KEY TO CATEGORIES:

<b>Added detail:</b>	Self-explanatory.
<b>Bits &amp; bytes:</b>	Use of digital (ie, computer) technology, including DCC and onboard sound.
<b>Bridges:</b>	Bridges, culverts, viaducts, etc. road or rail.
<b>Car &amp; wagon:</b>	Carriages, wagons and other rail-mounted equipment, eg, mobile cranes.
<b>Electrics:</b>	Wiring layouts, making, applying or controlling electronic accessories. For DCC see Bits & Bytes.
<b>Hints and tips:</b>	Self-explanatory.
<b>Interview:</b>	Self-explanatory.
<b>Locomotivory:</b>	Pertaining to the modelling of locomotives.
<b>Operation:</b>	Articles on running a model railway or on how the real railway is run.
<b>Perspective:</b>	Proposals and personal opinion.
<b>Photo:</b>	Self-explanatory.
<b>Plan and photos:</b>	Prototype info suitable for basing a model on.
<b>Plan, text and photos:</b>	Comprehensive prototype info suitable for basing a model on.
<b>Prototype:</b>	Information about the real railway including how it is or was operated.
<b>Rail history:</b>	Prototype information predominantly of interest as historical background.
<b>Report:</b>	A (usually personal) account of a recent event of interest to modellers.
<b>Review:</b>	Self-explanatory.
<b>Road vehicles:</b>	Includes diecast models as well as scratch or kitbuilt models.
<b>Scenicking:</b>	All forms of scenery including backscenes, water, roads, landform and land cover, rock faces, grass, scrub, flax and low ferns but not trees.
<b>Signalling:</b>	Understanding and modelling signals and signalling practice.
<b>Structures:</b>	Building, gates fences, etc, excluding bridges.
<b>Techniques:</b>	Ways of using materials and tools to make a model.

<b>Tools:</b>	Aids to model building – includes implements and processes, marking and measuring equipment, charts, cameras, computers and computing, means of attaching parts to each other, eg, glues, solder, nuts and bolts, etc.
<b>Trams:</b>	Bush and urban and associated material.
<b>Trackwork:</b>	Track, pointwork, turntables, etc, on which trains run.
<b>Trees:</b>	Trees including tree ferns and cabbage trees.
<b>Wagon loads:</b>	Self-explanatory.
<b>Weathering:</b>	Self explanatory
<b>xx Diorama:</b>	Where xx is a scale ratio, eg, 1:64, indicates an article about a diorama (small scene) to that scale
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<b>Comment:</b>	Otherwise known as editorial.

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	<b>Trade news:</b> Mini Building Creations ceases, Scenery Unlimited Miracle Chair Co kitset, C&L Finescale absorbs Exactoscale.	p37	379/Sep 12##
	<b>News:</b> Guild now has Facebook page, Pokaka Cultural Convocation, Stratford-Okahukara scenic tours, AMRA 2013, Hornby expects to break even, MTH sells S Helper Service.	p37	379/Sep 12##
George Gardner/Trevor Cheer	<b>Obituary:</b> Edward Ross Hughes	p38	379/Sep 12##
	<b>Reviews:</b> <i>Modelling Trees—part two</i> by Gordon Gravett (Kevin Crosado), <i>Modern Locomotives Illustrated</i> , Issue 195, <i>The Small Shunters—excluding BR designs</i> (Greg Keay).	p39	379/Sep 12##
Peter Ross	<b>Comment:</b> Reflections on a visit to dear old Blighty.	p39	379/Sep 12##
Alec Fenton	<b>Report:</b> Westie NZR modellers learning CAD drawing.	p40	379/Sep 12##
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Mike Hamilton photo	<b>Photo:</b> Forgotten World Adventures rail cart emerging from tunnel number 3 near Whangamomona.	p42	379/Sep 12##
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Graham Dredge photos	<b>Locomotivory:</b> Lexi Brown's 1:64-scale model of WMR 2-8-2 No.17, later NZR Bc463.	Back	379/Sep 12##
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Peter Ross photos	<b>Journal Jewels:</b> Barry Fitzgerald's Tr15 and Q wagon plus nodding thistle flaxes.	p2	380/Dec 12##
Kevin Crosado photo	<b>Photo:</b> Davidson driver and lokey.	p3	380/Dec 12##
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Alec Fenton/Kevin Crosado	<b>Locomotivory:</b> DH revisited	p11	380/Dec 12##
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Ian Hammond/Mike Boutle	<b>Structures:</b> The builders move in—part one (Kopikopiko Freezing Co)	p17	380/Dec 12##
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Peter Ross	<b>Report:</b> Christchurch NZR Modeller's Group (Brendon Lean adds details to Kevin Leigh UK wagon kit).	p35	380/Dec 12##
Terry Bradley	<b>Report:</b> The 28 <sup>th</sup> Pokaka cultural convocation.	p36	380/Dec 12##
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Kevin Crosado	<b>Prototype:</b> UBP and UBK bulk plaster wagons	p26	381/Mar 13##
Paul Napier/Kevin Crosado	<b>Locomotivry:</b> Union Foundries' No 30 of 1940 (includes plan)	p31	381/Mar 13##
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David Batchelor photos	<b>Perspective:</b> Pikipiki Tramways remembered – Merv Smith layouts retrospective	p36	381/Mar 13##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – photo EWR wagon in styrene	p37	381/Mar 13##
John Agnew/Paul Woods photos	<b>Trade news:</b> Railmaster Exports Baldwin T kit, Woodworks' 1:24 and 1:34 NZR couplers, Mark's Model Works one-piece four wheel wagon chassis	p38	381/Mar 13##
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Graham Dredge	<b>Report:</b> K9 run with the Westies – Nine 1:64-scale K and Ka locos get together	p41	381/Mar 13##
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Peter Ross	<b>Comment:</b> Thoughts on the perfect layout	p39	381/Mar 13##
	<b>Obituary:</b> William (Bill) Roderick Richmond	p42	381/Mar 13##
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Peter Ross photos	<b>1:64 Layout:</b> Two scenes on the One Track Minds layout at the 2012 Big Little Train Show – John Dudson's <i>Red Swamp</i> and Jason Horne's <i>Oaro</i>	Back	381/Mar 13##
Kevin Crosado photo	<b>Locomotivry:</b> Close-up of cab area of Alec Fenton's 1:64-scale model of 'Super DA 512'	Cover	382/Jun 13##
Peter Ross photos	<b>Journal Jewels:</b> J3813 built by Peter Ross from a finescale Alec Fenton/Neville Connew kit	p2	382/Jun 13##
E J McClare photo	<b>Photo:</b> Aa654 at Ohakune, January 7, 1953	p3	382/Jun 13##
Graham Dredge	<b>Electrics/Scenicking:</b> Lighting up buildings (using LEDs)	p4	382/Jun 13##
Darryl Palmer	<b>1:64 Layout:</b> A slice of heaven	p7	382/Jun 13##
Jim Staton	<b>Plan, text and photos:</b> Blackwater school	p12	382/Jun 13##
Russell Smith	<b>Locomotivry:</b> No17, you be a nice looking loco (Brooks Ub)	p17	382/Jun 13##
Ray Lantz	<b>Techniques:</b> Making fiddly bits—appliqué rivets	p20	382/Jun 13##
Les Downey	<b>Road vehicles:</b> An elderly truck (Ford AA from Matchbox MB73)	p22	382/Jun 13##
Kevin Crosado/Graeme McClare	<b>Plan and text:</b> Class Aa locomotive as rebuilt 1940 - 42	p24	382/Jun 13##
	<b>Plans:</b> X12985 Aa cab arrangement	p26	382/Jun 13##
	<b>Plans:</b> X12983 Aa tender tank and bunker arrangement	p27	382/Jun 13##
	<b>Plans:</b> X211685 Aa tender tank ladder	p28	382/Jun 13##
E J McClare photos	<b>Locomotivry:</b> Photographs and extended captions, Aa locomotives as rebuilt	p29	382/Jun 13##

Kevin Crosado	<b>Locomotivery/Plan, Photos and text:</b> PWD Planet 40hp 4wPM locos	p34	382/Jun 13##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – photo Brendon Lean's full size track plan	p37	382/Jun 13##
Darryl Palmer/North Yard photos	<b>Trade news:</b> Mark's Model Works 1:64 one-piece four wheel wagon chassis, North Yard patterned brass sheets, Station Rd HEC bulk grain container	p38	382/Jun 13##
Peter Ross	<b>Comment:</b> The times they are a changin'	p39	382/Jun 13##
Bryan Lawrence photos	Scenes from TrainZ 2012	p40	382/Jun 13##
	<b>Report:</b> Wairarapa Words – Grant Morrell scratchbuilds a batch of 20 J class sheep wagons	p41	382/Jun 13##
	Train Advices	p42	382/Jun 13##
	<b>Happy shopping:</b> Small engineers' square, Blue Point turnout controller, Carr's ballast, WoodsWorks, The Train Depot	p43	382/Jun 13##
Peter Dyer photos	UKC coal container wagons	p44	382/Jun 13##
Kevin Crosado photos	<b>Locomotivery:</b> Both sides of Alec Fenton's 1:64-scale model of 'Super DA 512'	Back	382/Jun 13##
Kevin Crosado photo	<b>Locomotivery:</b> Paul Berntsen-built Ww486 seen at Pokaka 2012	Cover	383/Sep 13##
Graham Dredge photos	<b>Journal Jewels:</b> 1:64-scale model of the pioneering MacEwan Pratt railcar	p2	383/Sep 13##
Andy Neilsen photo	<b>Photo:</b> Dsc2680 on Ken Devlin's <i>Leith Valley</i> layout	p3	383/Sep 13##
Andy Neilsen	<b>1:64 Layout:</b> Ken Devlin's <i>Leith Valley</i> locos: an update	p4	383/Sep 13##
John Pudsey	<b>Tools:</b> Build a high speed drill press	p10	383/Sep 13##
Graham Dredge	<b>Electrics:</b> Lighting up – a blinking Fm van (and decoder installation tips)	p11	383/Sep 13##
Spencer Lawry	<b>Structures:</b> Sliding railway yard gates	p15	383/Sep 13##
Archives NZ/Les Hostick/Jack Creber	<b>50s Focus:</b> Pokaka	p18	383/Sep 13##
Wayne Brindle	<b>Locomotivery:</b> Converting a Bachmann Climax tp 1:64 scale	p20	383/Sep 13##
Les Downey	<b>Hints and tips:</b> To clamp or not to clamp (a range of clamps and their usefulness to the modeller)	p22	383/Sep 13##
Kevin Crosado/Archives NZ	<b>Plan, photos and text:</b> PWD9455 Standard drawing 18-stall engine shed, roundhouse pattern	p24	383/Sep 13##
Bruce Geange	<b>Locomotivery:</b> Building an O-gauge TTT Co Mallet locomotive	p33	383/Sep 13##
Ray Lantz	<b>Techniques:</b> Making fiddly bits -- benchwork	p35	383/Sep 13##
E J McClare photos	<b>Locomotivery:</b> Photographs and extended captions, Aa locomotives as rebuilt	p29	383/Sep 13##
Kevin Crosado	<b>Locomotivery/Plan, Photos and text:</b> PWD Planet 40hp 4wPM locos	p34	381/Sep 13##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – photo Jason Horne's model of Ec7	p37	381/Sep 13##
Darryl Palmer/Mark Andrews/ Paul Woods photos	<b>Trade news:</b> Station Road (NA/NH wagon kits), Mark's Model Works (10ft underframe etch), Woodsworks (1:24 and 1:34 NZR couplers), Scenery Unlimited (new catalogue), Aristo-Craft and Finescale Miniatures to close, <i>Weathering Magazine</i> threatened	p38	383/Sep 13##

Peter Ross	<b>Comment:</b> Fair play or foul? (GST and customs charges on online imports)	p39	383/Sep 13##
	<b>Happy shopping:</b> Red Devil Onetime Spackling (lightweight filler), Warrior brand hobby vice, You Shop, Grandt Line nut/bolt/washers, Gapmaster etched PCB sleepers	p39	383/Sep 13##
Peter Ross	<b>Report:</b> Arthur's Pass 2013	p40	383/Sep 13##
	<b>Report:</b> Wairarapa Words – Grant Morrell, Don Wills and Darryl Palmer modelling weekend, etched bicycle, annual train show	p41	383/Sep 13##
	<b>Train Advices</b>	p42	383/Sep 13##
Kevin Crosado	<b>Review:</b> <i>NZR Stand Alone Mechanical Signal Boxes of the HJ Wynne Era 1900-1929</i>	p43	383/Sep 13##
Paul Woods	<b>Postbag:</b> 'Right' technology	p44	383/Sep 13##
Kevin Crosado photos	<b>Locomotivery:</b> Paul Berntsen's model of Ww486 with some of the detailing explained	Back	383/Sep 13##
Kevin Crosado photo	<b>Locomotivery:</b> Darryl Palmer's model of DA535 photographed on Alec Fenton's Kaipara Flats overbridge	Cover	384/Dec 13##
Alec Fenton photos	<b>Journal Jewels:</b> Littlewood kit J wagons + future AKF Kp on Alec Fenton's Kaipara Flats overbridge	p2	384/Dec 13##
Spike Dodds photo	<b>Locomotivery:</b> G57 close up.	p3	384/Dec 13##
John Pudsey	<b>Locomotivery:</b> Building a Black Hawthorn G: some notes on an award winner	p4	384/Dec 13##
Greg Keay	<b>Report:</b> 1:120-scale NZ modelling update	p8	384/Dec 13##
Stuart Walker	<b>Structure:</b> Fleming's mill -- Invercargill	p12	384/Dec 13##
Peter Ross	<b>Locomotivery:</b> What size is that pipe? (typical diameters of steam locomotive plumbing)	p15	384/Dec 13##
Graham Dredge	<b>Electrics:</b> Lighting up – the end of the train (using LEDs)	p16	384/Dec 13##
Kevin Crosado	<b>Photos, plans and text:</b> X4728 Standard side and tail lamps	p19	384/Dec 13##
Les Downey	<b>Hints and tips:</b> From trash to treasure (storage for wire and brass strips)	p22	381/Sep 13##
Gavin Sowry	<b>1:64 Layout:</b> <i>Glen Road</i> (slightly less than one foot square)	p23	384/Dec 13##
NZ Archives <i>et al</i>	<b>Plans and photos:</b> G-class 4-4-0T locomotive	p24	384/Dec 13##
Kevin Crosado	<b>Locomotivery:</b> Drg 1926A G-class 4-4-0T locomotives	p26	384/Dec 13##
Wayne Brindle	<b>Car &amp; wagon:</b> 1930s private-owner tank wagons (includes signwriting diagrams and DIY decals)	p30	384/Dec 13##
Trevor James	<b>Perspective:</b> <i>Trains in the Tron:</i> the [upcoming] 2014 convention (+ sidebar on Lace Mindheim)	p34	384/Dec 13##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – photo Brendon Lean's 1:64 Ug wagon in styrene	p37	384/Dec 13##
Mark Andrews/Graham Dredge photos	<b>Trade news:</b> Mark's Model Works (1:64-scale B-class Fairlie brass etchings), Westimation (\$3 packs of electronics components, resistor board, new FX modules, etc), QSI restructured, Hornby losses	p38	384/Dec 13##
Peter Ross	<b>Comment:</b> On getting things done	p39	384/Dec 13##
	<b>Happy shopping:</b> Kyosho and Tomica Vintage diecast cars, laser-cut structure kits, Micro Mark bristle discs, Maillefer rotary burrs	p40	384/Dec 13##

Kevin Crosado/Peter Ross photos	<b>Report:</b> Pokaka 29 – maybe the last cultural convocation at milepost 333	p41	384/Dec 13##
	Train Advices	p42	384/Dec 13##
Greg Keay	<b>Review:</b> <i>Trains, Tunnels, Bridges: Icons of Our NZ Rail History</i>	p44	384/Dec 13##
Kevin Crosado photos	<b>Photos:</b> 1:64-scale <b>Layout:</b> Trains photographed at Pokaka 2013 on Alec Fenton's <i>North Auckland Line</i> module	Back	384/Dec 13##
Peter Ross photo	<b>Locomotivory:</b> Brendon Lean's scratchbuilt model of DC4277	Cover	385/Mar 14##
Grant Morrell photos	<b>Journal Jewels:</b> Don Wills' Kiwi-ised 1:64-scale Vanguards Leyland Comet	p2	385/Mar 14##
Kevin Crosado photo	<b>Locomotivory:</b> Hudswell Clarke D602 of 1936 shunting at Motat	p3	385/Mar 14##
Brendon Lean	<b>Locomotivory:</b> Build your own diesels from styrene	p4	385/Mar 14##
Darryl Palmer	<b>Car &amp; wagon:</b> Wheel wagon EAR73	p8	385/Mar 14##
Ken Lankshear	<b>Lineside:</b> Small town shop	p11	385/Mar 14##
Wilson Lythgoe/Peter Ross	<b>Plan and photos:</b> A railway you could model: The Glen Afton Branch c1965 (includes yard plans)	p12	385/Mar 14##
Greg Keay/Robin Knight/ Les Downey/Darryl Palmer	<b>Locomotivory:</b> A tale of three small locos (Hudswell Clarke Type D29 of 1936, includes plans)	p18	385/Mar 14##
Kevin Crosado/Graham Bell	<b>Photos, plans and text:</b> NK wagons – the final four wheelers	p24	385/Mar 14##
Ray Lantz	<b>Hints and tips:</b> Making fiddly bits – architectural louvres	p30	385/Mar 14##
Graham Dredge	<b>Electrics:</b> What the Westies are up to: the great signalling project, part 1	p32	385/Mar 14##
Les Downey	<b>Hints and tips:</b> Whose wagon is that anyway? (Adding an identifying label to your models)	p34	385/Mar 14##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – "old" NZR sign, G wagon underframe, scratchbuilt Wf loco, Wa body repairs	p36	385/Mar 14##
Mark Andrews/Graham Dredge	<b>Trade news:</b> Mark's Model Works (additional underframe etches), Westimation (level crossing flasher and photos bell sound module), Woodsworks (now producing 1:34-scale JG Wa loco kit)	p37	385/Mar 14##
	News: Guild AGM notice, Hamilton Convention programme, NZR in British magazine, <i>British Railway Modelling</i> has new editor, George Selios (Finescale Miniatures) not retiring after all, new Athearn owners	p38	385/Mar 14##
	<b>Obituary:</b> Eric Frederic Burns, 24 July 1922 – 6 January 2014	p39	385/Mar 14##
Peter Ross	<b>Comment:</b> No man is an island entire of itself ...	p39	385/Mar 14##
	<b>Happy shopping:</b> Vacuum forming machine, scrawker, sound decoder suppliers, diecast Karmann Ghia and fire engine, <i>Steam Locomotives</i> by Iain Rice, <i>Kit Building for Railway Modellers</i> by George Dent, useful padding material.	p40	385/Mar 14##
	<b>Train Advices:</b> Coming events	p42	385/Mar 14##
Peter Ross	<b>Report:</b> Show Weekend in Blackball	p43	385/Mar 14##
Darryl Palmer	<b>Review:</b> Cross Creek UBW kitset	p43	385/Mar 14##

Bryan Lawrence photos	<b>Postbag:</b> Paul Andersen-Gardiner seeks information about carriages at Te Aute c1887 <b>Locomotivory:</b> Portraits of Kelvin Barry-built JG kitset locos, Ja1267 and J1211	p45 Back	385/Mar 14## 385/Mar 14##
Barry Fitzgerald photo	<b>Locomotivory:</b> Barry Fitzgerald's best-in-show Heisler pictured on his layout	Cover	386/Jun 14##
Graham Dredge photos	<b>Journal Jewels:</b> Graham Dredge's Model T railcar ex an Ironhorse Hobbies kit.	p2	386/Jun 14##
Grant Morrell photo	<b>Locomotivory:</b> The front engine unit of Grant Morrell's G class Garratt	p3	386/Jun 14##
Grant Morrell	<b>Locomotivory:</b> The 1:64-scale NZR G-class Garratt build (step-by-step from the JG kit)	p4	386/Jun 14##
Kevin Leigh/Brendon Lean	<b>Car &amp; wagon:</b> The UK wagon: once it was the highsider that ruled the rails, now it is the no-sider	p8	386/Jun 14##
Peter Ross	<b>Report:</b> Hamilton convention 2014	p12	386/Jun 14##
Graham Dredge	<b>Car &amp; wagon:</b> Very rare NZR kits? (The Ironhorse Hobbies Model T railcar and trailer)	p22	386/Jun 14##
KiwiRail	<b>Plan:</b> UKH general-purpose flat-deck container wagon	p24	386/Jun 14##
Soren Low	<b>Plan, text and photos:</b> UKH wagons	p26	386/Jun 14##
Tim Parkinson	<b>Operation:</b> Why run trains? (NZR layout with car-card system)	p30	386/Jun 14##
Trevor James	<b>Scenicking:</b> Trevor James' cabbage trees and ferns	p35	386/Jun 14##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – etched brass DH, realistically finished USL wagon, expertly weathered La wagon, neat bolt details on Vb wagon, R wagon fitted with tarpaulins	p36	386/Jun 14##
John Agnew	<b>Photo:</b> A scene on the late Paul Scoles' Pelican Bay Railway & Navigation Co layout	p37	386/Jun 14##
Lawrence Boul	<b>Trade news:</b> NZ Finescale Fell van kit, website upgrade.	p37	386/Jun 14##
	<b>News:</b> TrainZ14; future NZAMRC conventions	p37	386/Jun 14##
	<b>Obituary:</b> Vale Paul Scoles	p38	386/Jun 14##
	<b>Happy shopping:</b> Ados GreenStik, LED desk lamp, blowtorch, magnifying safety glasses, Glowire, Dye'n'shine, Model Railroad Hobbyist magazine	p38	386/Jun 14##
Peter Ross	<b>Comment:</b> Togetherness: it's fun ... and productive	p39	386/Jun 14##
	<b>News:</b> Hornby loss, Vollmer shuts doors, Model Power-Mantua hits buffers	p39	386/Jun 14##
Peter Ross	<b>Report:</b> Arthur's Pass 2014	p40	386/Jun 14##
Peter Ross	<b>Hints &amp; tips:</b> Soldering iron hints	p41	386/Jun 14##
	<b>Train Advices:</b> Coming events	p42	386/Jun 14##
Peter Ross/Kevin Crosado/Greg Keay	<b>Reviews:</b> <i>Steam Inclined: Memories of ex-Coaster Bryon Marinar</i> by Stephen Wright, "Tringamoot"— <i>The story of Taringamutu Totara Sawmills Ltd</i> by Ken Anderson and Ron Cooke, <i>Hyde &amp; Railway</i> by Gary Riggs	p43	386/Jun 14##
Mike Coghlan	<b>Postbag:</b> Dinwoodies' Mill (mill and bush tramway near Pokaka)	p45	386/Jun 14##
Barry Fitzgerald/Alex Smith photos	<b>Locomotivory:</b> Barry Fitzgerald's top-scoring 1:64 Heisler ex HO RTR model. <b>Car &amp; wagon:</b> Alex		



	Smith's 1:64 scratchbuilt Ongarue van, winner of the Guild Trophy.	Back	386/Jun 14##
Peter Ross photo	<b>Locomotivory:</b> A Model Company-built Q346 passing Eweburn on the 1:34 <i>Ida Valley</i> layout	Cover	387/Sep 14##
Kevin Crosado photos	<b>Journal Jewels:</b> Mamaku bush tram jiggers converted from 1:43-scale Fords by Paul Berntsen	p2	387/Sep 14##
Peter Ross photo	<b>1:34 Layout:</b> G99-headed train passes another goods near Eweburn on the 1:34 <i>Ida Valley</i> layout	p4	387/Sep 14##
Peter Ross	<b>1:34 Layout and track plan:</b> <i>Ida Valley:</i> A look back at one of the most notable NZR layouts to date	p5	387/Sep 14##
Graham Dredge	<b>Scenicking:</b> Asti's tree: How he made a tiny native forest diorama.	p11	387/Sep 14##
Andy Neilsen	<b>Locomotivory:</b> 1:64-scale cardboard locomotive construction, Ken Devlin style	p12	387/Sep 14##
John Le Cren photos	<b>50s Focus:</b> The 1957 Waikokopu slip	p14	387/Sep 14##
Peter Hopcroft	<b>Tools:</b> The noble piercing saw: one of the scratchbuilder's most useful tools	p16	387/Sep 14##
Graham Venning	<b>Trackwork:</b> Tracklaying master class: Part one—hand laid track	p19	387/Sep 14##
Les Frost	<b>Trackwork:</b> Keeping track noise down	p23	387/Sep 14##
Kevin Crosado/Juliet Scoble	<b>Plan, text and comprehensive photos:</b> CC wagons	p24	387/Sep 14##
Ray Lantz	<b>Scenicking:</b> Making fiddly bits: fungus, moss and lichen	p31	387/Sep 14##
	<b>Finer details:</b> Fire buckets (photos and plan Y35748)	p34	387/Sep 14##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – Ian Hammond and Hugh Daubney visit, Kevin Leigh USQ and NH wagons	p36	387/Sep 14##
	<b>Trade news:</b> North Yard diesel mechanisms, Mark's Model Works 1:76 J wagon underframe etch, NZ Finescale Q-1 and Q-4 wagon kits, Little Red Engine (aka Shapeways) detail parts for Hudswell Clarke D-29, and Leyland half-cab bus body, Glenorchy Models 1:48 diesel locomotive body etches	p37	387/Sep 14##
	<b>News:</b> Pokaka 30 info, new owner for <i>Railroad Model Craftsman</i>	p37	387/Sep 14##
	<b>Happy shopping:</b> Small lathe, Lokprogrammer cable, nut and bolt detail, double-sided tape	p39	387/Sep 14##
Peter Ross	<b>Comment:</b> <i>Unus pro omnibus, omnes pro uno:</i> all for one and one for all	p39	387/Sep 14##
Peter Ross	<b>Review:</b> <i>Stop the train I want to get on: Rediscovering NZ rail journeys</i> by Graham Hurchins	p40	387/Sep 14##
Neil Ward	<b>Photo report:</b> 3D printed cars and van, and professionally built Ka and J locos at the Hamilton train show	p40	387/Sep 14##
Grant Fletcher	<b>Postbag:</b> Model T Ford railcar (another one, with pictures)	p44	387/Sep 14##
Neil Ward photos	<b>Car &amp; wagon:</b> One piece 3D printed X25065 50ft car and Urc wagon in 1:34 scale	Back	387/Sep 14##
Kevin Crosado photo	<b>Locomotivory:</b> Paul Berntsen's 1:19 scale model of Orenstein & Koppel No.1411 <i>Bertha</i>	Cover	388/Dec 14##
Peter Ross photos	<b>Journal Jewels:</b> Two views of Alec Fenton's etched and 3D printed 30ft steel guard's van	p2	388/Dec 14##
Graham Dredge photo	<b>1:64 Diorama:</b> Glen Metcalf's 100mm square <i>Beachside Caravan</i> diorama	p3	388/Dec 14##
Graham Dredge words and photos	<b>1:64 Dioramas:</b> Twelve Square Westies, 12 Auckland Westies build 100mm-square dioramas	p4	388/Dec 14##
Paul Berntsen	<b>Locomotivory:</b> <i>Bertha</i> , a 1:19-scale Orenstein & Koppel 0-4-0WT	p7	388/Dec 14##

John LeCren photos	<b>Sights of the Seventies:</b> Kaikohe Branch	p12	388/Dec 14##
Brendon Lean	<b>Weathering:</b> The UK (and other wagons) – part 2	p14	388/Dec 14##
Graham Venning	<b>Trackwork:</b> Tracklaying master class: Part two—a simpler form of hand laid track	p19	388/Dec 14##
Stephen Duffell	<b>Trackwork:</b> A useful turntable/traverser	p22	388/Dec 14##
NZR&LS	<b>Plans:</b> OP2589/2 and OP2589/6 demountable petrol tanks for Mcp wagons	p24	388/Dec 14##
Kevin Crosado	<b>Photos, plan and text:</b> Mcp container tank wagons	p26	388/Dec 14##
Peter Ross	<b>Report:</b> 1:48 – a new scale on the block?	p32	388/Dec 14##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – overload protection bulbs, pick-up problem	p37	388/Dec 14##
	<b>Trade news:</b> Station Rd NA/NH, Right Track neon signs, NZF micro drills	p38	388/Dec 14##
Grant Morrell	<b>Report:</b> Pokaka 30	p37	388/Dec 14##
Peter Ross	<b>Comment:</b> An approach	p39	388/Dec 14##
Peter Ross	<b>Report:</b> TrainZ14	p40	388/Dec 14##
	<b>Happy shopping:</b> Lenz touchcab, LED magnifying lamp, Q-cells, Russian truck kit	p40	388/Dec 14##
	<b>News:</b> 'New' <i>Model Railroad Craftsman</i> out, Kadee co-founder dies	p41	388/Dec 14##
Kevin Crosado	<b>Reviews:</b> <i>Finescale Railway Modelling, Ferrymead 50</i>	p40	388/Dec 14##
Ian Jenner	<b>Postbag:</b> Erua and Mamaku	p44	388/Dec 14##
Kevin Crosado photos	<b>Locomotivery:</b> Two views of Paul Berntsen's 1:19-scale Orenstein & Koppel	Back	388/Dec 14##
Peter Ross photo	<b>Photo:</b> Daryl Roe's Dg passing Trevor Corrin's two-arm semaphore signal on the OTM layout	Cover	389/Mar 15##
Peter Ross photos	<b>Journal Jewels:</b> Two views of Daryl Roe's un-recabbed dummy Dg at AP14.	p2	389/Mar 15##
Peter Ross photo	<b>1:24 layout:</b> Ja1268 on Kerry Patterson's <i>Ashburton Forks Railway</i>	p3	389/Mar 15##
Peter Ross	<b>1:24 layout:</b> NZR in the garden: <i>Ashburton Forks Railway</i>	p4	389/Mar 15##
Peter Ross	<b>Machinery:</b> Gravel extraction workhorse – Gordon Barr's 19-RB dragline.	p10	389/Mar 15##
Nelson Kennedy	<b>Car &amp; wagon:</b> A finely-detailed 1:64-scale J wagon body ready for paint in one evening.	p12	389/Mar 15##
Graham Dredge	<b>Tools:</b> Tools you wonder how you did without	p15	389/Mar 15##
Graham Venning	<b>Trackwork:</b> Tracklaying master class: Part three—hand-laid turnouts	p17	389/Mar 15##
Peter Ross	<b>Weathering:</b> Improving printed textures.	p23	389/Mar 15##
Peter Ross	<b>Techniques:</b> Easy end rails	p23	389/Mar 15##
Kevin Crosado	<b>Plan and photos:</b> PWD24358 station building as at Katikati and Te Puke	p24	389/Mar 15##
Kevin Crosado	<b>Station File:</b> Katikati Station (includes good shed and yard plan)	p30	389/Mar 15##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – headlight reflector, 3D Dsc body, 3D Tr body and chassis	p35	389/Mar 15##

	<b>Trade news:</b> DCC Concepts etched sleepers, track gauges, solder and flux, NZ48 whitmetal bogie and underframe parts, <i>Continental Modeller</i> , <i>Voie Libre</i> now in English, new Wild Swan owner, North Yard Ds chassis, fine stainless steel mesh, sanding sponges, BTS sawmill interior, Septone blade putty	p36	389/Mar 15##
Peter Ross	<b>Comment:</b> Situations vacant	p39	389/Mar 15##
	<b>Obituaries:</b> Jim Pilkington, John Brewer	p40	389/Mar 15##
	<b>Trade news:</b> Hornby trading update	p39	389/Mar 15##
Peter Ross	<b>Review:</b> DCC Concepts Sapphire Solder and flux, etched sleepers and track gauges;	p40	389/Mar 15##
Kevin Crosado	<b>Review:</b> The Wairarapa Class Railcars and Rimutaka Incline – inception, design operation by Richard Heine	p41	389/Mar 15##
Trevor Cheer	<b>Review:</b> West Coast Enginemen by Ian Tibbles	p43	389/Mar 15##
	<b>News:</b> 'New' <i>Model Railroad Craftsman</i> out, Kadee co-founder dies	p41	389/Mar 15##
Kevin Crosado	<b>Reviews:</b> <i>Finescale Railway Modelling</i> , <i>Ferrymead 50</i>	p40	389/Mar 15##
Ian Jenner/Paul Napier	<b>Postbag:</b> <i>Bertha</i> , notes and photos; Mamaku Bush jiggers	p44	389/Mar 15##
Peter Ross photos	<b>Car &amp; wagon:</b> Kerry Patterson's scratchbuilt 1:24-scale 30ft clerestory van and Xa wagon	Back	389/Mar 15##
Peter Ross photo	<b>1:64 layout:</b> An early morning start as Wf401 shunts the Glasnevin ballast pit	Cover	390/Jun 15##
Peter Ross photos	<b>Journal Jewels:</b> Tim Marshall's scratchbuilt 1:64-scale 44/48hp Ruston & Hornsby 0-4-0 loco	p2	390/Jun 15##
Kevin Ward photo	<b>1:34 layout:</b> Wab 786 on the Hamilton railway bridge	p3	390/Jun 15##
Keith Rimmer	<b>1:148 layout:</b> <i>Six Mile Bush</i>	p4	390/Jun 15##
Neil Ward	<b>Techniques:</b> The tale of the Hamilton railway bridge (3D printing on a grand scale)	p12	390/Jun 15##
Colin Barry	<b>Prototype:</b> Scenes you could model: South Beach ballast pit	p15	390/Jun 15##
Peter Ross	<b>1:64 layout:</b> Glasnevin ballast pit (modelling stratified gravels)	p19	390/Jun 15##
Les Downey	<b>Weathering:</b> Authentic colours and weathering	p23	390/Jun 15##
Kevin Crosado	<b>Plan, text and photos:</b> The Davidson 0-6-0Ts ( <i>Weka</i> and kin)	p24	390/Jun 15##
Kevin Crosado	<b>Finer details:</b> Station nameboards. Gore, Tawa Flat, Stratford, Waiouru, Petone, Rauponga, Penrose Arthur's Pass, Otiria, Tiroroa	p32	390/Jun 15##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – Pahia Station, Arduino controller, round-topped windows	p37	390/Jun 15##
	<b>Trade news:</b> Mark's Model Works sight-feed oiler and headlight castings, Majik 2016 calendar, Forgotten World Adventures on the SOL, new owner for <i>MREmag</i> , <i>All Scale Rails</i> magazine, <i>Scale Rails International</i> magazine, Weaver Models closing, Hornby back in profit	p38	390/Jun 15##
Russell Postlewaight	<b>Obituary:</b> Brian Eastergaard	p40	390/Jun 15##
Peter Ross	<b>Comment:</b> Home thoughts from abroad	p39	390/Jun 15##
	<b>Obituary:</b> Dave Moore, Bob Barlow, Ian Allen, Steve Stevens-Stratton, Richard Wrenn	p40	390/Jun 15##

Maurice Duston	<b>Photos:</b> Two views of the late Dave Moore's layout	p40	390/Jun 15##
	<b>Happy shopping:</b> Parallel action pliers, wheel puller, rotary wire brush, 0.5mm PCB	p41	390/Jun 15##
Kevin Crosado	<b>Review:</b> <i>Railroad Model Craftsman</i>	p43	390/Jun 15##
Graham Dredge	<b>Postbag:</b> Solder and flux, comment on Sapphire Solder review	p43	390/Jun 15##
Grant Morell photos	<b>Photos:</b> Grant Morrell's 1:64-scale Kia Ora Dairy, real and modelled	Back	390/Jun 15##
John Agnew photo	<b>Locomotivery:</b> 1:64-scale T106 in 19 <sup>th</sup> century condition, built by Lexi Browne, painted by David Fletcher	Cover	391/Sep 15##
Peter Ross photos	<b>Journal Jewels:</b> Robin Knight's 1:64-scale brass models of Eb26 and NZ Co-op Dairy's Goodman	p2	391/Sep 15##
EJ McClare photo	<b>Photo:</b> Eb28 at Addington	p3	391/Sep 15##
Adrian Howard	<b>1:64 layout:</b> <i>The Longford and Pomona</i> (or whatever happened to the Fleming's Creamota Mill model?)	p4	391/Sep 15##
Grant Fletcher	<b>Trams/Bits and bytes:</b> DCC and trams	p10	391/Sep 15##
Graham Dredge	<b>Tools:</b> Better ways of cleaning your track and wheels	p13	391/Sep 15##
Peter Ross	<b>Report:</b> The Best of British: Some top layouts from the other side of the world	p15	391/Sep 15##
Peter Ross	<b>Scenicking:</b> The <i>Bucks Hill</i> backscene	p20	391/Sep 15##
Les Downey	<b>Tools:</b> Watch out son, Daddy's got your Lego again. Checking wagon height, width, overhang, etc.	p22	391/Sep 15##
Brian McKenzie	<b>Plan and rendering:</b> Eb26 battery-electric locomotive	p24	391/Sep 15##
Kevin Crosado	<b>Prototype:</b> Eb-class battery-electric locomotives	p26	391/Sep 15##
Alex Smith	<b>Scenicking:</b> <i>Awakino</i> : A slice of classic NZ scenery in 100mm x 100mm	p31	391/Sep 15##
JM Creber & Trevor Cheer	<b>Lineside:</b> Water vats and standpipes at Ohakune	p34	391/Sep 15##
Wayne Brindle	<b>Locomotivery:</b> Improved North Yard chassis drive – A better silicone rubber coupling	p36	391/Sep 15##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group – Weathered Dj3194, CMP tow truck, Fairlie mock-up	p37	391/Sep 15##
	<b>Trade news:</b> Railmaster Exports T kits, Trackgang NZ120 wheels and Shapeways bodies, Fleischmann insolvent, <i>Narrow Gauge &amp; Shortline Gazette</i> on disc, Kader/Bachmann do better, new CE at Rail Heritage Trust	p40	391/Sep 15##
Peter Ross	<b>Report:</b> AP15 modelling weekend at Arthur's Pass	p38	391/Sep 15##
Peter Ross	<b>Obituary:</b> <i>Model Railroader</i> former editor Andy Sperandeo	p39	391/Sep 15##
Peter Ross	<b>Comment:</b> Convention 2016 is a 'comin'	p39	391/Sep 15##
	<b>Happy shopping:</b> <i>Clever models</i> card structure kits, Monster Model Works false-front building kits, Greenlight 1:64-scale figures, Lais DCC decoder, DCC Concepts loco carrier	p40	391/Sep 15##
Peter Ross	<b>Review:</b> <i>Model Railroad Hobbyist</i> , TOMA (The One Module Challenge), Sketchup tutorial	p43	391/Sep 15##
Ken Lankshear	<b>Comment:</b> GST on offshore purchases – an update	p43	391/Sep 15##

Greg Moore, Mark Denne, Peter & Sue l'Anson, John Agnew John Agnew	<b>Postbag:</b> Dave Moore obit, Thanks, Dairy or Diary? Off-colour images <b>1:64 layout:</b> Two scenes featuring Railmaster Exports T106 as built by Lexi Browne and painted by David Fletcher using Tamiya Luftwaffe Dark Green, Linoleum Brown and Testor's Gunmetal Metalizer	p44 Back	391/Sep 15## 391/Sep 15##
Peter Ross photo Graham Dredge photos	<b>1:64 layout:</b> A Dg-hauled goods passes Totara on Peter Kearns' <i>Waimanu</i> layout <b>Journal Jewels:</b> D16, built by Graham Dredge from a JG kit, and an abandoned truck modified from a Lledo Days Gone model. Both weathered using ground chalks.	Cover p2	392/Dec 15## 392/Dec 15##
Peter Ross photo Peter Kearns Les Downey, Daryl Palmer Graham Dredge Paul Berntsen Grant Fletcher Rex Morgan Nelson Kennedy Brian McKenzie Kevin Crosado Peter Ross	<b>Photo:</b> The signal box built by the late Keith Collins for <i>Waimaru</i> <b>1:64 layout:</b> <i>Waimaru</i> . Based on Oamaru and featuring an accurate model of the Troup station. <b>Road vehicles:</b> From rail to road: Converting diecast trucks into horse floats <b>Electrics:</b> Build a static grass applicator for under \$20 (fly swat conversion) <b>Tools:</b> Solder hotplate (a method for laminating large areas of brass or nickel silver) <b>Trams:</b> Napier trams – the Boons. Scratchbuilding from old photos <b>Sixties style:</b> Loading sawn timber at Gladstone, TeKinga, Ross and Arnold <b>Locomotivity:</b> Interesting locomotive development: Hudswell Clarke with pulley drive <b>Plan:</b> Eb25 (converted to diesel-electric, as held at MOTAT) <b>Prototype:</b> Eb-class genset locomotives (conversion of Goodman battery-electric Ebs to diesel-electric) <b>Report:</b> NZR Modellers Group, scratchbuilt R class single Fairlie progress, Dg back to original cab, Peco points modification, 1957 Mobilgas Rally Toyota, Hallmark fire engines, Celyn Bennet and Victor Gan demonstrating their skills at Christchurch train show	p3 p4 p11 p15 p16 p17 p20 p22 p24 p26 p36	392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15##
Mark Denne Grant Morrell Peter Ross	<b>Trade news:</b> Railmaster Exports 55ft turntable, Accucraft Australia 1:35-scale steam tram, Warners magazine buy-up, Hornby profit warning, International model railway day <b>News:</b> Reported that <i>Weka</i> was in Timaru by 1879 <b>Report:</b> Pokaka 31: Another great weekend at the Taylor Memorial Lodge <b>Comment:</b> Your Guild needs a few of you <b>Happy shopping:</b> Colour laser printer, Lawton belt drives, Metalsmith rivet embossing tool, micro nuts, bolts and rivets, Monster Model Works buildings, Micro Mark rolling road and mini disc/belt sander	p37 p37 p38 p39 p40	392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15##
David McCallum Phil Smith Bill Lloyd, Gordon Johnson Neil Ward photos	<b>Report:</b> News from the south. Trevor McMurdo's models of B303 and an Invercagill house <b>Review:</b> <i>More than just a place to work:</i> A history of Dunedin's Hillside Workshops <b>Postbag:</b> Kudos and models for sale, Congratulations <b>1:34 layout:</b> Ka941 on Neil Ward's 3D-print-assisted model of the Hamilton River bridge. F254 and Wab786 with 3D-printed buildings and Morris 8 in the background	p40 p43 p43 Back	392/Dec 15## 392/Dec 15## 392/Dec 15## 392/Dec 15##

Graham Dredge photo	<b>1:64 diorama:</b> Ethan's Family Butcher shop by night	Cover	393/Mar 16##
Grant Morrell photos	<b>Journal Jewels:</b> 1:120 Shapeways-printed Wb and coal hoppers	p2	393/Mar 16##
NZRLS archive photo	<b>Photo:</b> Covered bank for loading dry timber at Ellis & Burnand, Magapeehi	p3	393/Mar 16##
John Agnew	<b>1:64 layout:</b> <i>Greymouth to Otira in steam days</i>	p4	393/Mar 16##
Graham Dredge	<b>Hints &amp; tips:</b> DCC cards for Dummies and/or those with senior memories	p15	393/Mar 16##
Chris Bradley, Alan Curtis, Paul Berntsen	<b>Perspective:</b> 50 years of conventions	p17	393/Mar 16##
Les Downey	<b>Car &amp; wagon:</b> My scratchbuilt 13335mm [44ft] wooden guard's van	p20	393/Mar 16##
Cedric Green	<b>Plan and photos:</b> 44ft F brake van	p24	393/Mar 16##
Paul Mahoney, Colin Zeff	<b>Prototype:</b> Sawmill engineering in New Zealand	p28	393/Mar 16##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers Group. 1:160 Lanz Bulldog tractor, HO scale Da, car-van and Hc makeovers, 1:64 Mini Minors	p39	393/Mar 16##
Paul Napier	<b>Obituary:</b> Barry Brickell, 29 October 1935 – 23 January 2016	p40	393/Mar 16##
	<b>Trade news:</b> NZAMRC convention, Mini-AMRA 2016, AMRA 2017, Australian narrow gauge convention, Hornby woes, new Bachmann Europe boss, Atlas buys BLMA, Northeastern Scale Models closes, Oakwood Press sold,	p40	393/Mar 16##
Peter Ross	<b>Comment:</b> The idea is to create an illusion	p41	393/Mar 16##
	<b>Train advice:</b> Coming events for NZ modellers	p42	393/Mar 16##
	<b>Happy shopping:</b> Mini hand drill and 10 drills, safer cut-off disc, electronics components tester, US sound decoder has NZR-type 5-chime whistle	p43	393/Mar 16##
Graham Dredge photos	<b>1:64 diorama:</b> Day and night on the same small town street scene	Back	393/Mar 16##
Peter Ross photo	<b>1:148 layout:</b> A convincing representation of Cb wagons at the coal mine on Mark Rawdon's portable West Coast <i>Rawdon</i> layout	Cover	394/Jun 16##
Graham Dredge photos	<b>Journal Jewels:</b> Kevin George's JG Models Ja1274 seen on Graham Dredge's layout	p2	394/Jun 16##
Kevin Crosado photo	<b>Photo:</b> Michael Gee's Wellington competition-winning cable car winding house.	p3	394/Jun 16##
Reuben Romany	<b>1:148 layout:</b> <i>NZR in 1:148 scale</i> , Reuben Romany's portable <i>Cascade</i> layout	p4	394/Jun 16##
Darryl Palmer	<b>Car &amp; wagon:</b> NE class four-wheel flat top wagon	p8	394/Jun 16##
	<b>Plan, photos and road numbers:</b> NE class four-wheel flat top wagon	p10	394/Jun 16##
Kevin Crosado	<b>Structures:</b> Jacksons post office (photos and text)	p14	394/Jun 16##
Paul Mahoney, Colin Zeff	<b>Prototype:</b> Sawmill engineering in New Zealand	p28	394/Jun 16##
Peter Ross	<b>Report:</b> Railways @ the Racecourse convention 2016	p18	394/Jun 16##
MJM McLeod, DG Jack	<b>Plans and photos:</b> 20ft and 35ft steel plate girder spans, PWD38381, 38182	p24	394/Jun 16##
Kevin Crosado	<b>Photographs:</b> Railways @ the Racecourse convention 2016	p31	394/Jun 16##

Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group. Standard railcar interior, PK container wagon, CF wagon NZ Finescale end railings, 3D printed Wf body	p36	394/Jun 16##
	<b>Trade news:</b> NZ Finescale W locomotive kit and #d printed detail parts, MMW diesel grilles, Railmaster Exports Da, Dx and T kits, AK Interactive weathering washes	p37	394/Jun 16##
Peter Ross	<b>News:</b> We loco photographs needed, AMRA 2017, Australian narrow gauge convention, <i>Mainline Modeller</i> on DVD, Hornby reprieve, <i>Finescale Modelling Review</i>	p38	394/Jun 16##
	<b>Corrections:</b> Ub330, not Q, sawmill article.	p38	394/Jun 16##
Peter Ross	<b>Report:</b> Blenheim Model Railway Group (BMRG)	p39	394/Jun 16##
Peter Ross	<b>Comment:</b> What do you think?	p39	394/Jun 16##
	<b>Train advice:</b> Coming events for NZ modellers	p42	394/Jun 16##
	<b>Departures:</b> Les Hostick, H Lee Riley, Chick Yungkurth	p24	394/Jun 16##
	<b>Happy shopping:</b> Guillotine used as magnetic jig, RapidFix adhesive system,	p43	394/Jun 16##
Colin Zeff photos	<b>1:64 layout:</b> Three photos of the late John Yolland's layout	p44	394/Jun 16##
	<b>Review:</b> <i>Selling the dream—Classis NZ Tourism Posters</i>	p44	394/Jun 16##
	<b>Members' ads:</b> Layout and models for sale ex deceased estate	p45	394/Jun 16##
Peter Ross photos	<b>1:32 layout:</b> Two photos of Peter Cameron's early days NZR layout	Back	394/Jun 16##
Kevin Crosado photo	Former Auckland mainstay DFT7104 modelled in 1:64 scale by Michelle Andrews	Cover	395/Sep 16##
Grant Morrell photos	<b>Journal Jewels:</b> Colin Zeff's 1:34 A62 ex Mark's Model Works etchings and Paul Woods boiler fittings; Colin Zeff's 1:34 Mamaku-inspired bush truck, part plastic kit part scratchbuilt.	p2	395/Sep 16##
Peter Baker photo	<b>Photo:</b> Climax 1317 at Ngaroma Mill, c1955	p3	395/Sep 16##
Michael Gee	<b>Structure:</b> Notes on a model winding house	p4	395/Sep 16##
Gordon Barr	<b>Scenicking:</b> Making a macrocarpa hedge	p8	395/Sep 16##
Michelle Andrews	<b>Locomotivery:</b> Project winter soldier: a cautionary tale	p11	395/Sep 16##
Alex Smith	<b>Scenicking:</b> Nikau: modelling a distinctive piece of New Zealand	p17	395/Sep 16##
Don Wills	<b>Tools:</b> The right height: measuring coupler pad height.	p22	395/Sep 16##
Ken Williamson	<b>Plans:</b> Climax 1317	p24	395/Sep 16##
Paul Mahoney	<b>Trams:</b> Climax 1317 — part one	p28	395/Sep 16##
Brian McKenzie	<b>Plan:</b> Eb25 (converted to diesel - electric, as held at MOTAT)	p24	395/Sep 16##
Kevin Crosado	<b>Prototype:</b> Matata station file. Includes station and yard plans	p26	395/Sep 16##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers. Jason Horne's Peco 83 Line turnout converted to NZR, Lyndsay Thompson's scratchbuilt Price E drive, Celyn Bennet's sawmill	p36	395/Sep 16##

	<b>Trade news:</b> Glenorchy Models' etched kit for 1:34 Di, North Yard has stocks of Mashima motors and is the new owner of South Dock kits, Pokaka, Hamilton Mini AMRA, new <i>Engineering in Miniature</i> magazine owner, Caboose Hobbies closes, locomotive called <i>Peco</i> , Merl Evans dies, Hornby 2016 results,	p37	395/Sep 16##
Don Wills	<b>Report:</b> SKIMers: a weekend for modelling mates	p38	395/Sep 16##
K Crosado/Neil Andrews/Peter Ross	<b>Obituaries:</b> Euan McQueen 1937 – 2016; Jack Raffills 1938 – 2016; Athol Hamilton 1936 – 2016	p38	395/Sep 16##
Peter Ross	<b>Comment:</b> More than one way	p41	395/Sep 16##
	<b>Happy shopping:</b> Bragdon powders, Mini saw frame, Fergie tractor, styrofoam glue, model paint, medico pack paint pottles, track power connectors for modular layouts	p43	395/Sep 16##
Grant Morrell photos	<b>Locomotivity:</b> Trevor Cheer's DC4346 ex AKF etchings and 3D print patterns. Ross Olliver's 1:64 DSG3046 built from an Online kit and altered to include shunters' refuges.	Back	395/Sep 16##
Kevin Crosado photo	Terry Bradley's 1:34-scale model of TR27 passing through Pokaka.	Cover	396/Dec 16##
Kevin Crosado photos	<b>Journal Jewels:</b> Ken Cousins'-built 1:64-scale DQ and QR models from 3D printed masters.	p2	396/Dec 16##
Graham Radcliffe photo	<b>Photo:</b> Looking along Staircase Viaduct.	p3	396/Dec 16##
Ray Sofio	<b>Bridges:</b> Modelling a lattice girder viaduct – Making a start (Staircase).	p4	396/Dec 16##
Paul Mahoney	<b>Trams:</b> Climax 1317 — part two	p12	396/Dec 16##
Paul Mahoney	<b>Trams:</b> Restoring Climax 1317	p19	396/Dec 16##
Ken Williamson	<b>Trams:</b> Detailed drawings of Climax 1317	p22	396/Dec 16##
	<b>Plan:</b> Matata goods shed, PWD25987	p24	396/Dec 16##
Kevin Crodado	<b>Station file:</b> Matata	p24	396/Dec 16##
Brian McKenzie	<b>Plan:</b> Eb25 (converted to diesel - electric, as held at MOTAT)	p24	396/Dec 16##
Kevin Crosado	<b>Prototype:</b> Matata station file. Includes station and yard plans	p26	396/Dec 16##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers. Jason McFadden backboards, Bryan Lawrence's 1:64 pie cart, Robin Knight's 1:64 Bc and Ba locomotives, Celyn Bennet's 3D printed Price Cb bogie.	p36	396/Dec 16##
	<b>Trade news:</b> NW Model Works improved quality custom 3D printing service	p37	396/Dec 16##
Grant Morrell/Kevin Crosado	<b>Report:</b> Pokaka 2016 including photos of 1:64 F loco by Bill Knapp, Don Wills' 1:64 Ud1500, Michael Kilgour's 1:64 USL wagon, Jim Staton's 1:48 Backwoods Miniatures 0-6-0T, Paul Lennox's 1:64 tree armature, Ken Cousins' MAXX DC, and Don Wills' part-built recabbed DG760	p38	396/Dec 16##
News	North Shore MRC to host 2018 NZAMRC convention, Australian narrow gauge convention, <i>Model Railway Express</i> magazine relaunch, new UK magazine <i>The Railway Magazine of Modelling</i> , locomotive named <i>Merl Evans</i> , Hornby trading update.	p40	396/Dec 16##
Peter Ross	<b>Comment:</b> Thinking about the unthinkable	p41	396/Dec 16##



Merv Smith	<b>Happy shopping:</b> Bluerail battery-powered Bluetooth remote control for larger scales, Anti Shine aerosol matt varnish, Archer texture decals, aluminium cupcake pans good for mixing paints.	p41	396/Dec 16##
Kevin Crosado photos	<b>Postbag:</b> Kitset steam locomotives vs sharper curves	p44	396/Dec 16##
	<b>Locomotivery:</b> Terry Bradley built his 1:34 1936 Drewry TR from his own etchings and castings and painted it with Dulon lacquer. Weathering was done with Humbrol enamels and acrylics from Spotlight.	Back	396/Dec 16#
Peter Ross photo	Caleb Scott's Db1010 passing through John Dudson's <i>Red Swamp</i> OTM module on a goods train.	Cover	397 Mar 17##
Steve Williams photos	<b>Journal Jewels:</b> 1:76 Tasrail DQ and QR locos that Steve Williams scratchbuilt from styrene and brass.	p2	397 Mar 17##
Peter Baker photo	<b>Photo:</b> Ab778 on the turntable at Tuatapere.	p3	397 Mar 17##
Nelson Kennedy	<b>Car &amp; wagon:</b> Are we there yet? A journey further into 3D-printed models (J-5 sheep wagons).	p4	397 Mar 17##
Lindsay Thompson	<b>Locomotivery:</b> Hornby Terrier transformed. (1:76 Terrier becomes 1:48 Davidson lookalike.)	p8	397 Mar 17##
Neil Andrews/Peter Ross	<b>Structures/prototype photos:</b> Laser-cut engine shed. Not. (Using a saw to cut frames from thin MDF.)	p11	397 Mar 17##
Tony Simons	<b>Techniques:</b> Rivet detail using decals. (Micro Mark O-scale rivet decals).	p16	397 Mar 17##
Gordon Barr	<b>Wagon loads/prototype photos:</b> Flour traffic the traditional way. (Flour sacks from Sculpey modelling Clay.)	p19	397 Mar 17##
Graham Dredge	<b>Report:</b> Westies' rumblings	p21	397 Mar 17##
Craig Galilee	<b>Scenicking:</b> Creating cracked-soil effect for Coyote Ridge.	p23	397 Mar 17##
	<b>Plans:</b> British-type La wagons, drawings X7040, Y7046, Y7051	p24	397 Mar 17##
Kevin Crosado	<b>Text and photos:</b> Drawing X7040 La wagons	p26	397 Mar 17##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers. Jason Horne's English Electric Df weathered with oils, Colin Barry's John Gardener Uc.	p37	397 Mar 17##
	<b>Trade news:</b> NZ Finescale 3D-printed steam loco detail parts and etched W class loco. Branchlines etched brass G wagon kit.	p38	397 Mar 17##
	<b>News:</b> AMRA 2017, NZAMRC Convention 2018 Committee, Australian Narrow Gauge Convention, Mt Albert Scale Lumber sold, Scale Hardware sold, Caboose Hobbies reopens, <i>Narrow Gauge &amp; Shortline Gazette</i> sold, <i>Model Railroader</i> 1000th, <i>Model Railways</i> On-Line magazine, new <i>British Railway Modelling</i> editor, NZMR Guild AGM.	p38	397 Mar 17##
Pete van Grinsven	<b>Comment:</b> The hobby is in great shape	p41	397 Mar 17##
Peter Ross	<b>Obituary:</b> Peter Parker 1925 – 2017.	p43	397 Mar 17##
	<b>Notices:</b> New Journal editor required, Journal retail price adjustment, magazines to give away.	p43	397 Mar 17##
Kevin Crosado photos	<b>Car &amp; wagon:</b> 1:34-scale models by Colin Zeff; C-class car with original radial axle running gear; early four-wheeled passenger brake van.	Back	397 Mar 17##

Neil Ward photo	A Model Company-built Da1409 hauls 56ft cars over Neil Ward's 1:34 model of the Hamilton Bridge.	Cover	398 Jun 17##
Alex Smith photos	<b>Journal Jewels:</b> Alex Smith's 1:64-scale diecast 1949 Studebaker pick-up truck and army Jeep.	p2	398 Jun 17##
EJ McClare collection photo	<b>Photo:</b> Vulcan Foundry Jb at Hamilton c1902	p3	398 Jun 17##
Keith Rimmer	<b>1:148 layout:</b> Konake – a King Country settlement.	p4	398 Jun 17##
Les Downey	<b>Locomotivity:</b> The new life of Ab832 (nee 750) (a makeover for an early Gardener ready-to-run).	p12	398 Jun 17##
WW Stewart/EJ McClare photos	<b>Our Heritage:</b> Ab832, North British 23190 of 1925.	p16	398 Jun 17##
Gordon Barr and Peter Ross	<b>Structures:</b> Background houses (half-relief)	p16	398 Jun 17##
	<b>Plan:</b> Standard B2 Railway house front elevations	p23	398 Jun 17##
Craig Galilee	<b>Scenicking:</b> Creating cracked-soil effect for Coyote Ridge.	p23	398 Jun 17##
Archives NZ	<b>Plan:</b> Vulcan Foundry type Jb 2-6-0 general arrangement drawings.	p24	398 Jun 17##
Kevin Crosado	<b>Text, plans and photos:</b> Vulcan Foundry Jb locomotives	p27	398/Jun 17##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers. Any old iron layout, home built FDM 3D printer, Hudswell Clarke rail tractor, NZF 3D printed dunny.	p37	398 Jun 17##
	<b>Trade news:</b> NZ Finescale 3D-printed steam loco detail parts and etched W class loco. Branchlines etched brass G wagon kit.	p38	398 Jun 17##
	<b>News:</b> NZAMRC national convention to be hosted by North Shore MRC, attempted Hornby takeover.	p38	398 Jun 17##
Peter Ross photos	<b>Photo report:</b> Arthur's Pass 2017 modelling weekend.	p38	398 Jun 17##
	<b>Happy shopping:</b> Soldering tile from fohrmann.com, crème brulee torch (also useful for soldering) from Briscoes, etched steering wheels and combine harvester from Bossen Implements, mini air sand blaster from Supercheap Auto, liquid electrical tape from Jaycar, cheaper UK source for Loksound decoders.	p39	398 Jun 17##
Peter Ross	<b>Comment:</b> Tinkering: a good or bad thing?	P41	398 Jun 17##
	<b>Reviews:</b> Barclay Locomotives of NZ by Sean Millar	p43	398 Jun 17##
	<b>Postbag:</b> Getting round the bend from Peter Sansom, Kahibah, NSW.	p43	398 Jun 17##
	<b>Member's Ads:</b> Tenders sought for disposal of <i>Glenorchy Model</i> inventory.	p43	398 Jun 17##
Peter Ross photos	<b>Locomotivity:</b> Jason Horne's 1:64-scale model of Eo74 built from a JG kit. Jason painted the model and weathered it using artist's oils diluted with white spirit.	Back	398 Jun 17##
Kevin Crosado photo	1:43-scale Paul Berntsen Climax 898 with figures carved by Ray Lantz and painted by Kevin Crosado.	Cover	399 Sep 17##
Rodney Morrell photos	<b>Journal Jewels:</b> Scratchbuilt 1:64-scale Makatote Viaduct lookalike from styrene wire and balsa wood.	p2	399 Sep 17##
Archives NZ photo	<b>Photo:</b> Climax 898 at Manunui, c1922.	p3	399 Sep 17##
Sean Heenan	<b>1:64 layout:</b> Rebuilding the Motat model railway.	p4	399 Sep 17##
Kevin Crosado/Archives NZ photos	<b>Our Heritage:</b> Photos and notes on Gamman & Co's Climax 898 at Manunui in 1929.	p10	399 Sep 17##
Grant Morrell	<b>Perspective:</b> The next big thing (on moving from 1:64 scale to 1:48 scale).	p12	399 Sep 17##

Ross Olliver	<b>Techniques:</b> From this ... to this. (Aging and weathering ETC and UR wagons step by step.)	p14	399 Sep 17##
Graham Dredge	<b>Hints and tips:</b> Dodo (a clever railing device).	p16	399 Sep 17##
Bruce Shalders	<b>Book preview:</b> Railway house photos left over from Railway Houses of NZ.	p20	399 Sep 17##
Les Downey	<b>Structure:</b> Round the back. (Building a goods shed for the Kingston Branch.)	p22	399 Sep 17##
Brian McKenzie	<b>Plan, photos and 3D rendering:</b> 20-ton side-tip truck PWD72421.	p24	399 Sep 17##
Kevin Crosado	<b>Text, photos and plan:</b> Harbour stone tip-trucks.	p28	399/Sep 17##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers: Barry Fitzgerald's imaginary MtSomers steam crane and radio-controlled lime spreader truck; Brendon Lean's latest styrene bodied DC, all in 1:64 scale.	p36	399 Sep 17##
	<b>Trade news:</b> NZ Finescale 1:64-scale W kit; Riverside Models' 1:64-scale GMC truck kits; North Yard's recently acquired South Dock range of 1:64 kits.	p37	399 Sep 17##
	<b>News:</b> Pokaka 2017, NZAMRC 2018 convention, Peco acquires Parkside business, Hornby saga.	p39	399 Sep 17##
	<b>Happy shopping:</b> Hobby vice and small cut-off saw from Not Just Toys, Upper Hutt; hand-grab forming jig from rptoolz.com; Uni-PX20 paint markers from Warehouse Stationary; Birchwood Casey Brass Black from workshopinnovation.co.nz; Mastertools brass tube from constellationhobbies.co.nz; Unimat 3-jaw chuck off eBay; iPhone4 speaker off eBay.	p39	399 Sep 17##
Peter Ross	<b>Comment:</b> Our tools are evolving	p41	399 Sep 17##
	<b>Reviews:</b> Railway Houses of NZ by Bruce Shalders; Creating a Backscene: <i>A Railway Modelling Companion</i> by Paul Bambrick and John Ellis; <i>One Hundred Years of Trust</i> by Alan Dick.	p43	399 Sep 17##
	<b>Postbag:</b> Konake, from Graeme Brown, Paraparaumu.	p43	399 Sep 17##
Kevin Crosado photos	<b>Locomotivery:</b> Two more photos of the front cover model by Paul Berntsen of Climax 898 in 1:43 scale, with some details of how it was made.	Back	399 Sep 17##
Terry Bradley photo	Kevin Crosado's 1:34-scale Megadodo-Jenbach heads a train on the late Peter Hodge's layout.	Cover	400 Dec 17##
Eric Burns photos	<b>Journal Jewels:</b> Two views of Frank Roberts' 1:24-scale model of Q17 on the RTR layout in the 1950s.	p2	400 Dec 17##
Trevor Cheer photo	<b>Photo:</b> Kiwi Lager Da/Da506 with work train pass a Ka/Da-hauled goods on Trevor Cheer's 1:34 layout.	p3	400 Dec 17##
T Cheer/D Brider/M Hillier/K Carlyon	<b>Rail 'n Sails Convention:</b> Photos of some of the layouts to be on the convention tours.	p4	400 Dec 17##
Dean Farrow	<b>Locomotivery:</b> How I came to build a 1:24 Drewry railcar.	p6	400 Dec 17##
Dean Farrow	<b>Techniques:</b> Vacuum forming.	p11	400 Dec 17##
Paul Berntsen	<b>Locomotivery:</b> An H class Fell locomotive in 1:34 scale.	p14	400 Dec 17##
Rodney Morrell	<b>Hints &amp; tips:</b> Forgotten Modelling (Starting a 7-1/4in gauge loco)	p18	400 Dec 17##
Les Downey	<b>Hints and tips:</b> Decalced motor vehicles. (Ideas for modifying diecasts.)	p22	400 Dec 17##
Darryl Palmer	<b>Techniques:</b> Wheel drilling guide. (Includes wheel BP30520.)	p23	400 Dec 17##

Kevin Crosado	<b>Plans:</b> Strongman, Renown and Taupiri coal tubs.	p24	400 Dec 17##
Kevin Crosado	<b>Prototype:</b> Coal tubs. (Includes plans and photos.)	p27	400 Dec 17##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers: Paul Young's Hawarden Station, Daryl Roe's barn, Visit to Paul and Midge Young's layout, Tim Marshall's oil lamps for D loco.	p36	400 Dec 17##
	<b>Trade news:</b> Mark's Model Works Double Fairlie, NZ Finescale loco crew figures, Hatton's Barclay, new AK Interactive Real Colours paint line, new Tamiya Colour Lacquer Paint line.	p37	400 Dec 17##
Grant Morrell	<b>Report:</b> Pokaka 2017. (Includes photos of 1:48 TTT Mallet No7, 1:34 UBH tank wagon, 1:34 44ft clerestory car, 1:64 and 1:34 DSCs, 1:87 Rock Island GP40.	p39	400 Dec 17##
Paul Andersen-Gardiner	<b>Report:</b> Taranaki modelling day.	p39	400 Dec 17##
	<b>Trade news:</b> Taumaranui & Districts Historical Society has released <i>Roll Back the Years</i> , Volume 7, Zimo has declared insolvency, Hornby has a new CEO.	p41	400 Dec 17##
	<b>Happy shopping:</b> Hobby vice and small cut-off saw from Not Just Toys, Upper Hutt; hand-grab forming jig from rptoolz.com; Uni-PX20 paint markers from Warehouse Stationary; Birchwood Casey Brass Black from workshopinnovation.co.nz; Mastertools brass tube from constellationhobbies.co.nz; Unimat 3-jaw chuck off eBay; iPhone4 speaker off eBay.	p43	400 Dec 17##
Peter Ross	<b>Comment:</b> Come on baby light my fire.	p41	400 Dec 17##
	<b>Happy shopping:</b> Modelling vice, Loksound decoder update, nylon screws, cabbage tree kit, scale figures.	p43	400 Dec 17##
	<b>Postbag:</b> Side tip trucks, John Paul, Oamaru; Looking back, Paul Andersen-Gardiner, Taranaki.	p43	400 Dec 17##
	<b>Members' ads:</b> Large NZR 1:64 model railway for sale.	p44	400 Dec 17##
Kevin Crosado photos	<b>Locomotivory:</b> Grant Morrell's 1:48 Ollie Smith (Mamaku) jigger and freelanced bush jigger. Ollie's jigger is ex a plastic Soviet truck kit and the other jigger is ex a TinToys diecast and has a chain drive.	Back	400 Dec 17##
George Hawkins photo	On George Hawkins' 1:64 Papakura to Huntly layout, Bb144 waits to haul another Rotowaro coal train.	Cover	401 Mar 18##
Scott Neil photos	<b>Journal Jewels:</b> During a last visit to Ken Clough's 1:64 layout prior to a house move, Da1429 is seen departing with the last passenger train, and Bb626 crosses the combined road-rail bridge.	p2	401 Mar 18##
George Hawkins photo	<b>Photo:</b> Looking down on Labourville on George Hawkins' 1:64-scale Papakura – Huntly layout.	p3	401 Mar 18##
George Hawkins	<b>1:64 layout:</b> I am not a modeller. (George Hawkins loves to go out into the shed and play with his trains.)	p4	401 Mar 18##
Gordon Barr	<b>Structures:</b> Building for beginners. (Techniques used in modelling houses.)	p10	401 Mar 18##
Kevin Crosado	<b>Prototype:</b> Fell brake vans. (A list of and notes of all the NZR Fell vans with photos of some.)	p19	401 Mar 18##
Colin Zeff/JM Creber photos	<b>Photos:</b> Retired Fell vans.	p22	401 Mar 18##
Graham Dredge	<b>Plan:</b> Brake van 4-wheel Fell centre rail, BP1748.	p24	401 Mar 18##

Darryl Palmer	<b>Techniques:</b> 3D printed models. (Ways of improving the finish of prints from Shapeways.)	p26	401 Mar 18##
Les Downey	<b>Hints and tips:</b> Getting the right atmosphere. (Getting the desired effect from mini scenes.)	p28	401 Mar 18##
Graham Dredge	<b>Structure:</b> The Metcalf family home: One Westie's project.	p29	401/Mar 18##
Peter Ross	<b>Perspective:</b> Convention model competitions update.	p31	401 Mar 18##
John Agnew	<b>50s Focus:</b> 50s Rotorua. (Photos from JM Creber and Derek Cross.)	p32	401 Mar 18##
Graham Dredge	<b>Report:</b> Westies' ramblings. (What can happen on a Friday night: NZR workmen's huts.)	p34	401 Mar 18##
	<b>Trade news:</b> Prototype NZR Models releases Drewry Tr kitset; Woodsworks re-engineers 1:34 ex-JG Wa kit, has a new supplier of low melt solders; The Railcar Company launches with Drewry, Standard and Vulcan railcar kits in 1:64 scale.	p37	401 Mar 18##
	<b>News:</b> Rails 'n Sails 2018 Convention programme.	p38	401 Mar 18##
	<b>Obituary:</b> Bob Carline. (Bob was a key member of the team that created the NSMRC NZR layout.)	p39	401 Mar 18##
	<b>Happy shopping:</b> Conductive silver paint, Small metric tap and die set, Molotow chrome pen and fine brushes, Scenic material, Doors, windows and detail parts.	p40	401 Mar 18##
	<b>Trade news:</b> Taumaranui & Districts Historical Society has released <i>Roll Back the Years</i> , Volume 7, Zimo has declared insolvency, Hornby has a new CEO.	p41	401 Mar 18##
	<b>Happy shopping:</b> Hobby vice and small cut-off saw from Not Just Toys, Upper Hutt; hand-grab forming jig from rptoolz.com; Uni-PX20 paint markers from Warehouse Stationary; Birchwood Casey Brass Black from workshopinnovation.co.nz; Mastertools brass tube from constellationhobbies.co.nz; Unimat 3-jaw chuck off eBay; iPhone4 speaker off eBay.	p39	401 Mar 18##
Pete van Grinsven	<b>Comment:</b> Where to now? (The old layout is gone, so what next?)	p41	401 Mar 18##
	<b>Postbag:</b> Thanking Kevin Crosado, Pete van Grinsven and Paul Berntsen.	p43	401 Mar 18##
	<b>Obituary:</b> Robin Knight. (Well known Christchurch modeller and pioneer of NZR modelling.)	p43	401 Mar 18##
	<b>Notices:</b> New editor, Graham Dredge introduces himself; Auckland modellers' day	p44	401 Mar 18##
Graham Dredge photos	<b>Locomotivery:</b> Lexi Browne's 1:64-scale model of F254 in early period green/black livery. Lexi's repaint and decalling of a Matchbox diecast steam roller.	Back	401 Mar 18##
Scott Neil photo	Da1471 traverses Mike Steenhuisen's NAL module.	Cover	402 Jun 18##
Paul Berntsen photos	<b>Journal Jewels:</b> Paul Berntsen-built models of 9 Mil Dubs A and scratchbuilt 7/8" scale Model T locomotive. Dubs from Mark's Model Works kit with scratchbuilt fittings and wheels, Model T weathered a la Martyn Welch.	p2	402 Jun 18##
	<b>Prototype photo:</b> RM1 Red Terror	p3	402 Jun 18##
Mike Steenhuisen/Scott Neil	<b>1:64 modules:</b> Somewhere along the NAL.	p4	402 Jun 18##
Michael Gee	<b>Prototype text, photos and plan:</b> The Red Terror – the pioneer railcar	p10	402 Jun 18##

Michael Gee	<b>Railcar model:</b> The Red Terror modelled in 1:64 scale	p14	402 Jun 18##
Peter Ross/Grant Morrell	<b>Report:</b> A perspective on the 2018 Rails 'n Sails Convention.	p16	402 Jun 18##
Scott Neil/Grant Morrell/Peter Ross	2018 Rails 'n Sails competition placings and photos	p20	402 Jun 18##
Ray Sofio	<b>Structure:</b> Modelling a lattice girder viaduct: part two. (Includes plan and prototype photo.)	p24	402 Jun 18##
Brad Coleman	<b>Car and wagon:</b> LPX23: a four-wheel express goods wagon.	p28	402 Jun 18##
Rodger Cullen	<b>Trade news:</b> The South Dock report	p29	402/Jun 18##
Graeme Bennett	<b>Prototype:</b> Along industrial lines (ex NZR loco in industrial service.)	p30	402 Jun 18##
Grant Morrell	<b>Structure:</b> Engine shed gantry crane in 1:64 scale.	p32	402 Jun 18##
Graham Dredge	<b>Electrics:</b> One DCC decoder, four motors.	p34	402 Jun 18##
	<b>Happy shopping:</b> WOW sound decoder, 3-jaw chuck pin vice, dollar shop scenery mat, SPROG II/III.	p36	402 Jun 18##
Peter Ross	<b>Report:</b> Christchurch NZR Modellers' Group. Urethane UK wagon, 3D parts for 41ft birdcage car, scale Steam loco lighting conduit junction box castings.	p37	402 Jun 18##
	<b>Hints and tips:</b> Workbench attachment (Ray Sofio), Cutting motor shafts (Wayne Brindle), Canon motors (Graham Dredge), Insulating difficult wiring (Les Downey).	p38	402 Jun 18##
	<b>Trade news:</b> NZ Finescale printed kit for 1:64 1936 Austin Ruby, 1:64 figures, decoder wiring PCB, Locomotive storage boxes; The Railcar Co, Red Terror and etched metal Da kits added to range; extruded brass rail for G scale; Grandt Line closing; Tichy offering equivalents; The Model Shop closing.	p39	402 Jun 18##
Graham Dredge	<b>Report:</b> Auckland Modellers' Day.	p40	402 Jun 18##
Pete van Grinsven	<b>Comment:</b> Reminiscing.	p41	402 Jun 18##
	<b>Obituary:</b> Fred Lee, aged 88 years.	p41	402 Jun 18##
	<b>Train Advice:</b> Calendar of railway modelling events.	p42	402 Jun 18##
	<b>Obituary:</b> Major NZR kit maker, John Arthur Gardener, 10 February 1945 – 16 March 2018.	p43	402 Jun 18##
Graham Dredge	<b>From the editor:</b> Corrections and explanations.	p44	402 Jun 18##
Tony Putt photos	<b>Railcar:</b> Blue Streak railcar RM131 built from a Railcar Co kit is seen fresh out of the paint shop on a test run near Swanson on Neville Connew's 1:64 layout.	Back	403 Sep 18##
Scott Neil photo	Da1405 on the loop at Ahuroa on David Weedon's NZ120 layout.	Cover	403 Sep 18##
Grant Morrell photos	<b>Journal Jewels:</b> Two views of Grant Morrell's 1:48 model of Ollie Smith's 'double ender' on the North Shore MRC's portable layout. All scratchbuilt except for two diecast truck bodies.	p2	403 Sep 18##
Scott Neil photo	<b>1:120 layout:</b> Hikurangi coal bins on David Weedon's modular layout.	p3	403 Sep 18##
David Weedon/Scott Neil	<b>1:120 layout:</b> Why not NZ120?	p4	403 Sep 18##
Michael Gee	<b>Prototype text, photos and plan:</b> The Midland railcars	p10	403 Sep 18##

Michael Gee	<b>Railcar model:</b> Midland railcar in two sizes.	p14	403 Sep 18##
Graham Dredge	<b>Prototype:</b> Buildings worth modelling.	p18	403 Sep 18##
Les Downey	<b>1:64 layout:</b> Layout based on location – my ultimate decision.	p20	403 Sep 18##
	<b>Editorial:</b> Fake news or not? We need you. (Call for contributions.)	p23	403 Sep 18##
	<b>Plan:</b> Uc tank wagon ex G class Garratt water tanks.	p24	403 Sep 18##
Wayne Brindle	<b>Car and wagon:</b> 1930s private owner tank wagons.	p26	403/Sep 18##
Michael Steenhuisen	<b>Car and wagon:</b> Graffiti – modern image modelling.	p28	403 Sep 18##
John Creber photos	<b>Winter scenes:</b> Four views of a short steam-hauled goods train on the Kingston Branch.	p30	403 Sep 18##
Paul Napier	<b>Scenicking:</b> Oh what a lovely bunch of coconuts. (Modelling coconut palms.)	p32	403 Sep 18##
Adrian Howard	<b>Locomotivery:</b> A tale of two diesels. (Making Ds and Dsa class shunters from RTR models.)	p34	403 Sep 18##
Rodger Cullen	<b>Trade news:</b> Tank wagons: Mcp (dismountable tank), Ubs sulphuric acid, Uc-3 bitumen, Uc-18.	p35	403 Sep 18##
	<b>Window on shopping:</b> Kato power bogie, geared motors, protractors and rulers. Bad buy (out of scale Citroen L15 from AliExpress).	p36	403 Sep 18##
Michael Gee	<b>Report:</b> Wellington NZR Modellers' Group. 1:120 3D Wairarapa railcar body, 1:64 Double Fairlie chassis.	p39	403 Sep 18##
Graham Dredge	<b>Hints and tips:</b> Tender drawbars, Coreless can motors.	p40	403 Sep 18##
	<b>Trade news:</b> NZ Railscene calendar, Woodworks closing, 1:64 Baldwin T class kit, Station Road Na and Nh wagon kits.	p41	403 Sep 18##
Pete van Grinsven/Alex Smith	<b>Reviews:</b> <i>NZ railway motive power</i> by David Parsons; <i>Hunslet &amp; Hudswell Clarke locomotives in NZ</i> by Sean Millar.	p40	403 Sep 18##
	<b>Train Advice:</b> Calendar of railway modelling events.	p42	403 Sep 18##
	<b>Obituary:</b> Edwin (Ed) Dacre Dunn, May 5 1931 – June 12 2018.	p42	403 Sep 18##
Joan McHarg/Trevor James	<b>Obituary:</b> Colin McHarg, February 10 1945 – June 13 2018.	p42	403 Sep 18##
Scott Neil/Mike Steenhuisen photos	<b>Car and wagon:</b> Mike Steenhuisen's painting and graffitiing of a ZP and ZK wagon based on photos of the real thing.	Back	403 Sep 18##
Scott Neil photo	Bb626 climbs through a cutting having just crossed the river through a steel truss bridge on Ken Clough's layout.	Cover	404 Dec 18##
Graham Dredge photos	<b>Journal Jewels:</b> Two views of Ross Olliver's kit-built model of DSG3046.	p2	404 Dec 18##
Darryl Palmer photo	<b>1:64 layout:</b> DBR1295 on <i>Kai-moana</i> layout.	p3	404 Dec 18##
Darryl Palmer/Grant Morrell	<b>1:64 layout:</b> <i>Kai-moana</i> – a layout that is no more	p4	404 Dec 18##
Neil Ward	<b>Railcar model:</b> RM32 <i>Pangatoru</i> , a Standard railcar all 3D printed in 1:34 scale	p9	404 Dec 18##
Graham Dredge	<b>Prototype text, photos and plan:</b> Station file – Onehunga.	p10	404 Dec 18##

Graham Dredge	<b>1:64 layout:</b> Modelling Onehunga (concept).	p15	404 Dec 18##
Ken Clough/Scott Neil	<b>1:64 layout:</b> A tale of three layouts. (A model railway history.)	p18	404 Dec 18##
Ian Robertson/Graham Dredge	<b>Diesel buses:</b> The end of the line (not really). ( <i>TramliNZ</i> ends but the modelling continues.)	p24	404 Dec 18##
John Whyte/Les Downey	<b>Obituary:</b> Mervyn (Merv) Charles Smith, March 11 1933 – September 24 2018.	p22	404/Dec 18##
Les Downey	<b>Scenicking:</b> An evergreen scenery method (originally shown to me by Merv Smith).	p24	404 Dec 18##
Les Downey	<b>Locomotivery:</b> Modelling from across the ditch. HO and OO scale modelling in Australia. (1:76 DC, 1:87 DX and Da.)	p25	404 Dec 18##
Trevor Cheer	<b>Obituary:</b> John (Jack) Maurice Creber, April 10 1932 – September 7 2018. (Includes photos at Helensville, Ohakune, Stratford, Waihi, Cass, Wingatui, and Lowther.)	p26	404 Dec 18##
Graham Dredge	<b>Electrics:</b> Model railway controller for a DC layout or test bench.	p30	404 Dec 18##
Alan Curtis/Grant Morrell	<b>Report:</b> Pokaka 34. (The 2018 version of a popular modelling weekend.)	p33	404 Dec 18##
Adrian Howard	<b>Car and wagon:</b> The Plains Railway E852 [water tank wagon] in 1:64 scale.	p35	404 Dec 18##
Rodger Cullen	<b>Trade news:</b> The South Dock report. (ex Trackside 1-1/2 ton swing crane, 1965 jigger; revised Yc ballast wagon.)	p36	404 Dec 18##
Peter Ross	<b>Report:</b> Christchurch NZR Modeller's Group. (Jessy Blunsdon's Drewry Tr22, NZ Finescale La wagon, Bryan Lawrence's Mark's Model Works farm dray, Evan Gardner's use of Vallejo weathering products.)	p37	404 Dec 18##
Lawrence Boul	<b>Trade news:</b> Manufacturer's showcase. (Bespoke 3D prints, development of F class locomotive kits, wheel castings, detail parts, 3D printed detailed boiler backhead.)	p48	404 Dec 18##
Paul Penning	<b>Review:</b> <i>Port to the Plains over and under the Port Hills, the story of the Lyttelton railway tunnel</i> by David Welch.	p40	404 Dec 18##
	<b>Window shopping:</b> v4 Loksound, Lokpilot Micro, Lokpilot Nano DCC decoders, Tamiya surface primer, Jobmate digital callipers.	p40	404 Dec 18##
	<b>Train Advice:</b> Calendar of railway modelling events, other notices.	p42	404 Dec 18##
Russell Jones	<b>Obituary:</b> Kevin Charles Emery, April 1 1946 – September 5 2018.	p43	404 Dec 18##
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Neil Ward photos

**Model photos:** 1:34-scale Ab733 and stock train crossing Victoria St after leaving Hamilton Station, and a few minutes later, on the Waikato River Bridge.

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