



THE FLIMSY

NMRA Division 2 Newsletter

November 2022

In this issue.

From the editor

At home ~ Show-n-tell

The last say

COVID-19 ~ Adhere to medical advice & instructions.

Variants to COVID-19 will still be more concern than realised, hence masks are highly recommended in CROWDED AREAS as safe hygiene.

I am pleased that the Div 2 Members continue to 'bling' my inbox with their 'at home S&T'

Robin.

Div 2 Superintendent Report:

Update to an ARC meeting: it is proposed for a National Convention venue RYDGES Hotel ROSEHILL SYDNEY NSW Sunday from 29 September to Thursday 02 November 2023

Possible speakers John ARROWSMITH on FREMO HO & David NORTH "Why I chose a Railroad"

Which Stephen O'Brien raised a question "Why did you join the NMRA".

There is also a member's survey planned sometime next year

More details when these items come to hand.

There is no Div 2 Meeting for December, the next Div 2 Meeting will be hosted by Mal RISBY January 2023

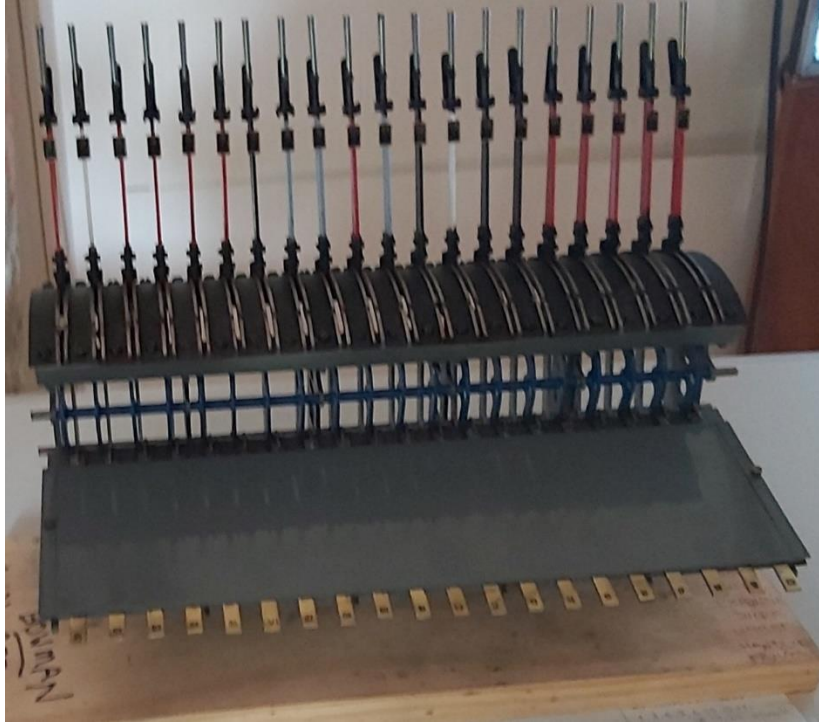
Stephen O'Brien.

John GILLIES & Ben FEATHERSTON reported on the convention held at ARMIDALE NSW, their respective reports were very good, having 200 plus attendees with 5 to 6 tables for sellers with the 1 x 1 foot diorama challenge attracting many takers.

Meeting Show-n-tell.

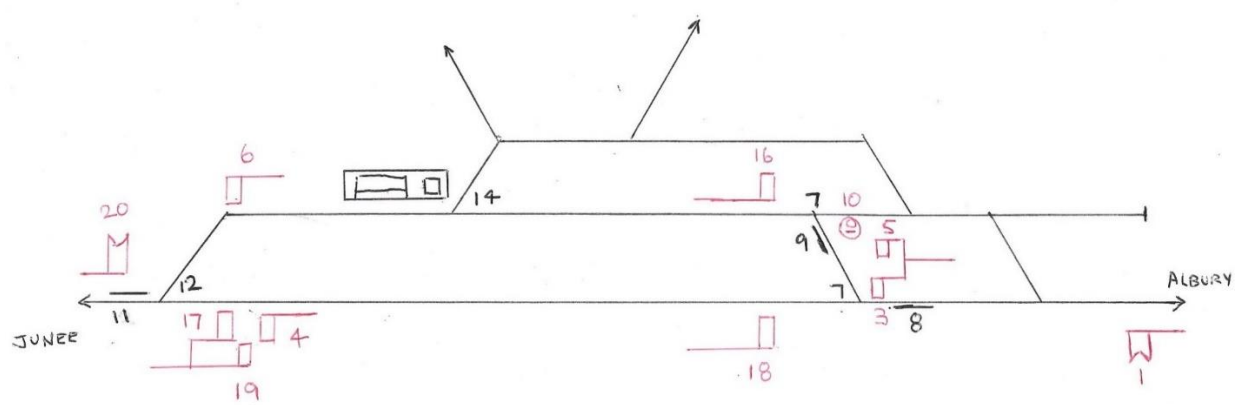
Rob NESBITT:

The scale working model of a NSW Signal box lever frame, that he will use on his future layout. The lever frame was constructed by Tony Kociuba of Mackenzie in H.O.Lland, specifically for the model of Boden, that Rob is building. The levers are mechanically interlocked, according to NSW railway practices, and the levers have to be pulled in the correct order to conduct train movements, as per the signal box diagram. Mackenzie in H.O.Lland has a website. <http://mckenzie.net.au/>



BOMEN (As Modelled)

- 7, 12 Points
- 8, 9, 11, 14 locks
- 1, 3, 4, 5, 6, 10, 16, 17, 18, 19, 20 signals
- 2 13 15 Space



ALBURY TO JUNEE 8 4 3 1
 ALBURY TO PLATFORM RD 7 8 9 5
 PLATFORM RD TO JUNEE 12 6

JUNEE TO ALBURY 11 18 19 20
 JUNEE TO PLATFORM RD 12 11 17
 PLATFORM RD TO JUNEE 7 9 16

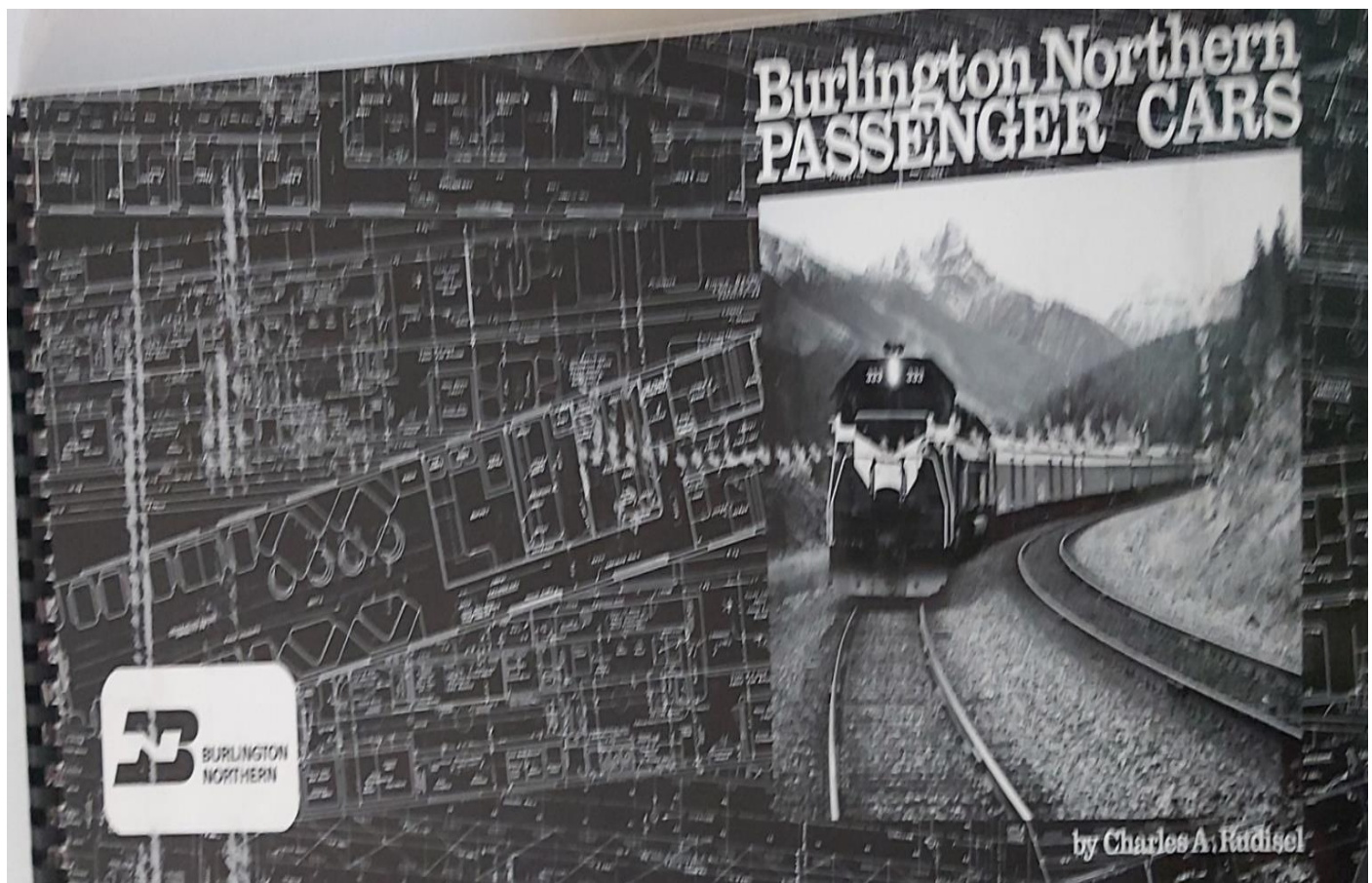
John GILLIES:

This is a LARGE publication being well documented & detailed with B&W plans of the various passenger cars used throughout their service.

Burlington Northern Passenger Cars by Charles A Rudisel was published in 1974 and is a 174 page large format 24" x 11" book that documents a significant portion of the passenger cars inherited by the BN from its constituent railroads at the time of its creation in March 1970. It is the only comprehensive book ever published about BN's passenger car fleet and John bought it when he was still a student at RMIT.

The book shows in many excellent photographs, diagrams and floor plans the following passenger car fleets:

- BN Business and Railway service passenger cars - those retained for use by company executives in business train service
- BN passenger cars used in Chicago commuter service (BN's ex-Chicago, Burlington & Quincy portion now operated by Metra)
- Passenger cars of the Great Northern Railway
- Passenger Cars of the Northern Pacific Railway & Spokane, Portland & Seattle Railway
- Passenger cars of the Chicago, Burlington & Quincy Railroad
- BN Passenger Equipment List by pre-merger railway/railroad and car types - a detailed listing of all cars, including rebuilds and renumbering's
- Dispositions of BN Passenger cars - disposition details of all cars, where know at time of publication
- BN passenger equipment purchased by Amtrak - listing by pre-merger railway/railroad in car number order, including renumbering's



Stephen O'BRIEN:

Ian Black's latest self-published booklet showing how to turn lifeless 'production line' models into something that is animated and more realistic.

Known distributor's CASULA Hobbies <https://casulahobbies.com.au/> or AJRM Stephen Johnston Models <https://stephenjohnsonmodels.com.au/shop/ajrm/otherbooks/windowsblindsandinteriors/>



Ben FEATHERSTON:

Purchased eBay 2021, these 60 slot Diamond Painting Accessories Embroidery case, suitable for storing 17 ml dropper bottles for Vallejo paints.

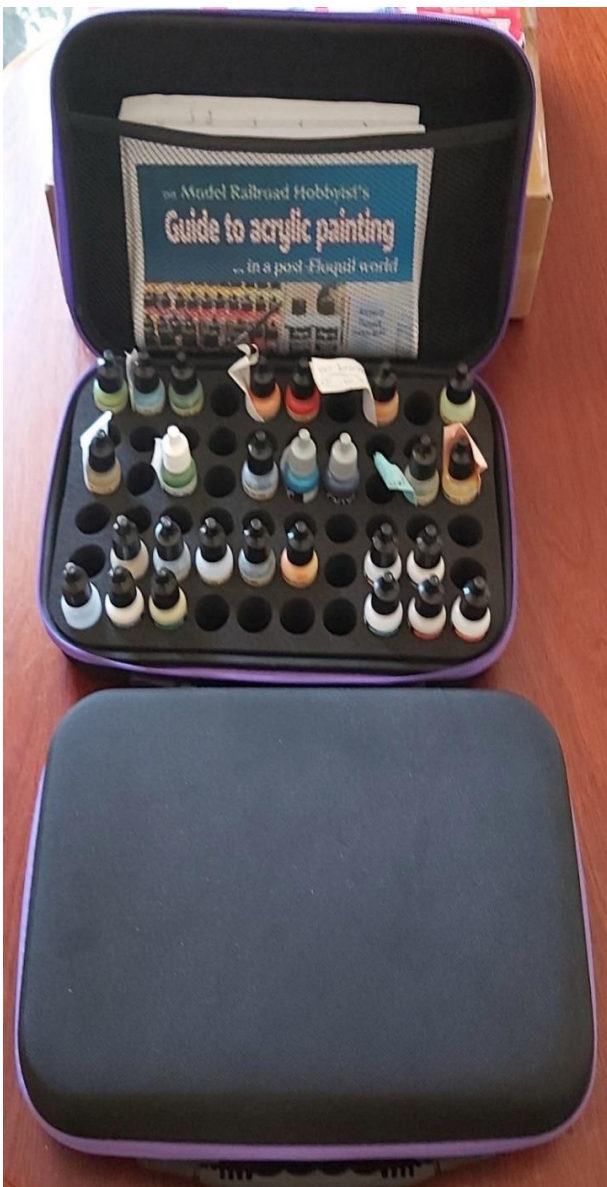
These have removable inserts (what to do and use them for yet to be determined) these also had small screwable containers (useful for small parts especially KADEE items)

Searching for a seller on eBay: just type ' 60 Slots Diamond Painting Accessories Embroidery Case Geometric Storage Box Art ' one seller for comparison being [60 Slots Diamond Painting Accessories Embroidery Case Geometric Storage Box Art](#)

One may be able to modify for other paint containers.

Below Left: eBay 60 slots

Below Right: 30 slot Lincraft



Stephen O'Brien: Visited Lincraft in Woden to see if they sold something similar, for \$20 they sell a 30-bottle case, maybe not as fancy. The carry handle is a strap.

If you are interested, they are called an Alcohol Ink Storage Case. Asked the sale staff as it saves time searching the isles.

Note: not all LINDCRAFT may stock this item.

Robin FOSTER:

Filling that VOID.

ATHEARN: note the opening for the removal for the screw that secures the ATHEARN mounted truck.



BALBOA: note the styrene pacers to raise the height of the floor being required to clear the insulated spacers for the now removed wire for lighting.



More on these interior refer to At home S&T

HOST PRESENTATION.

John GILLIES:

The PowerPoint presentation on "Bulk Grain Handling" which covered the main factors that influenced the development of the US grain industry and the importance of rail transportation in moving grain from elevators to the end customer using a timeline from the mid-1850s to now.

These included:

- westward expansion that included the first land grant transcontinental railroads and land grants to settlers who would establish small farms and improve their land by cultivating crops and the small settlements that grew up along the tracks.
- how ploughing, sowing, reaping, threshing, bagging and transporting grain in the mid-late 1880s was not only labour intensive but also time consuming in man power. Despite the short 4–5-mile distances to deliver the bagged grain to the railhead for transportation in small low-capacity box cars, it required a full day to get from the farm to the railhead and back again.

Within half a century improved farm mechanisation, farming techniques and roads enabled truck delivery of the significantly increased crop yields longer distances to much larger concrete elevators in relatively short time. Bulk grain was shipped in 50-ton capacity 40-foot box cars using wooden <https://tinyurl.com/mt7fed9s> and later paper <https://tinyurl.com/mr3yxrw> grain doors attached to the inner door openings to prevent grain leakage.



- the US became a major grain exporter by the close of the 19th century and because of domestic and export quality complaints, federal grain testing, quality and grading standards were legislated in 1906 and further strengthened between 1968-86.
- the Interstate Commerce Commission was created in 1887 to regulate freight shipping rates by railroads and other common carriers in response to claims of excessive freight rates from customers such as western farmers. The Southern Railway's Supreme Court victory in 1961 which established discounted bulk rate shipping rates for multiple "Big John" covered hopper car

<https://www.railpictures.net/photo/576562> shipments to a single destination saw the introduction of unit trains hauling a single commodity with lower shipping costs. Unit grain trains began operation in the mid-1960s and increased substantially after 1970.

Unloading the grain into a bin.



The introduction of the 70-ton steel hopper made quicker loading & unloading.



- production of more efficient covered hopper cars with 4000+ cubic foot and 90–100-ton capacities increased significantly from 1964 with over 22,200 Pullman-Standard 4427 covered hoppers <https://tinyurl.com/4tyrhjhf> constructed before the end of the decade.

It was one of the most popular early designs produced by several manufacturers.



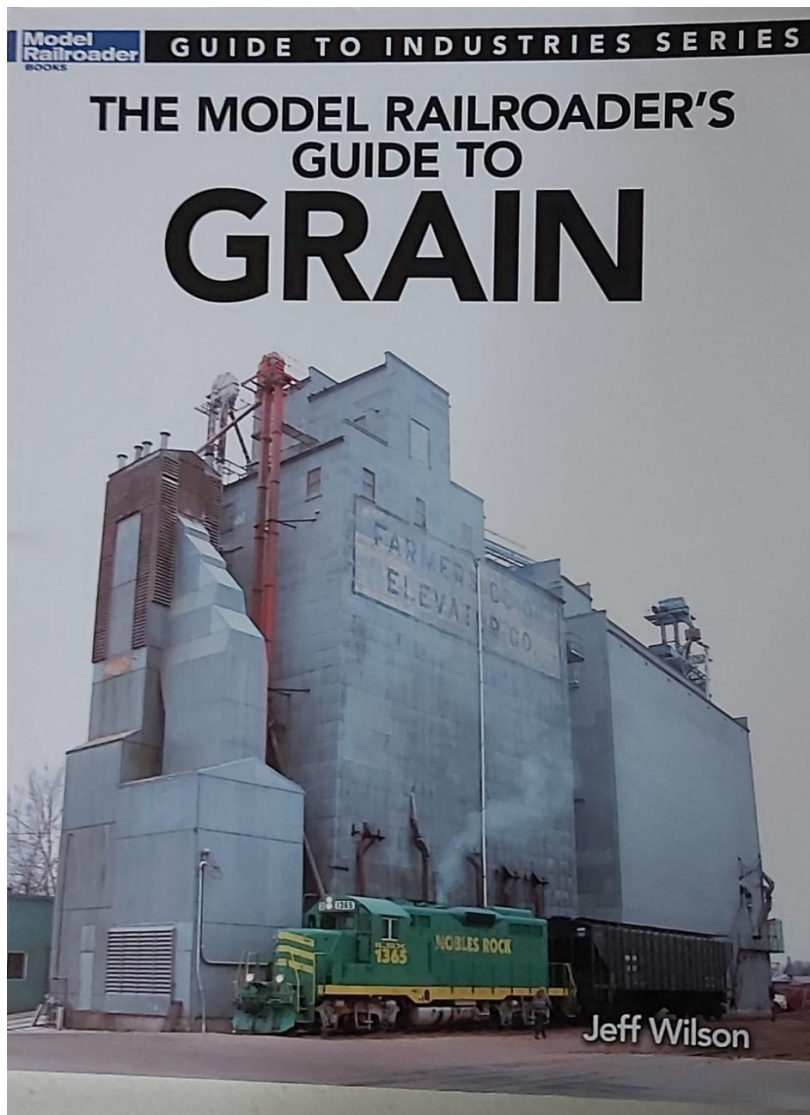
- US government deregulation of the railroad industry between 1973-80 abolished ICC involvement with establishing freight rates and railroads could negotiate prices directly with shippers which saw significant reductions in unit train shipping costs;
- by the mid-1970s many larger rural elevators began to build larger concrete elevators and longer loading tracks, some of them in loops <https://tinyurl.com/mvphbr7h> , to load unit train blocks of covered hoppers in multiples of 25 or more. By 1981 most of the grain moving by rail in the US is in covered hoppers, the last grain train of 40-foot box cars on weight restricted US branch lines operated in 1984 and by 1995 most of the grain moves in unit train lots of 25 cars or more.
- a summary of the changing unit grain train procedures used by Burlington Northern between 1970-95
- following the introduction of higher rail load limit capacity regulations, BNSF operates the first unit train of new generation 5000+ cubic foot and 110-ton capacity covered hoppers in 1996 using Trinity 5161 covered hoppers like this <https://tinyurl.com/4kkevu25> and
- information on where most major grain crops are grown in the US <https://tinyurl.com/ywb72cx8> and where most grain products are exported from by region <https://tinyurl.com/ycyh4kc> - New Orleans and the Pacific Northwest.

John also provided this link https://www.youtube.com/watch?v=VGqZn5s_q_Y to a video of the 1981 Canadian Film Board documentary "Grain Elevator" that didn't play at the meeting. The 16-minute video shows the daily operations of a small Canadian rural cooperative grain elevator.

Canada preferred cylindrical hoppers



Reference publications are always useful



At home ~Show-n-tell.

Robin FOSTER:

This is a follow on to the S&T as to where this project all started, CONCOR 24 – 8 Slumber cars, abet with slight modification to seating.



Seating are Precision Scale Model Railroad Products Parlour chairs



Painted ready for passengers



The figures, as gaudy as they may look the Perspex diffuses their colours to a satisfactory silhouette hue.



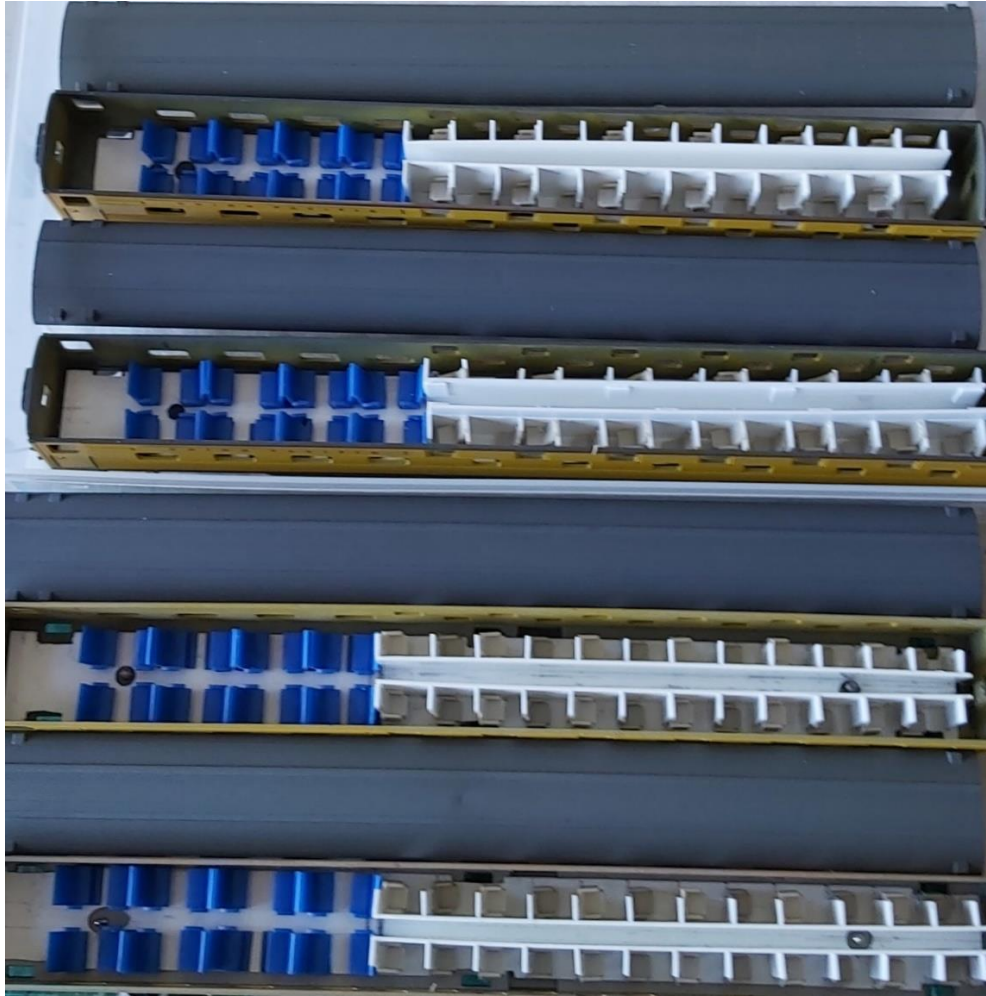
Some standing figures were required to be modified to fit on the seats



The 'glass' diffuses those gaudy figure colours



The first one is always the most time consuming as measurements, remeasuring & sighting to make those adjustments before mass production is started, once in any slight errors are hidden.



IHC interiors for a BALBOA Observation car, width reduced both sides the partition walls were required to be reduced in height from 6.5 mm to 4 mm to allow insertion into the shell to fit onto the 'L' angle which secures the frame to the body.



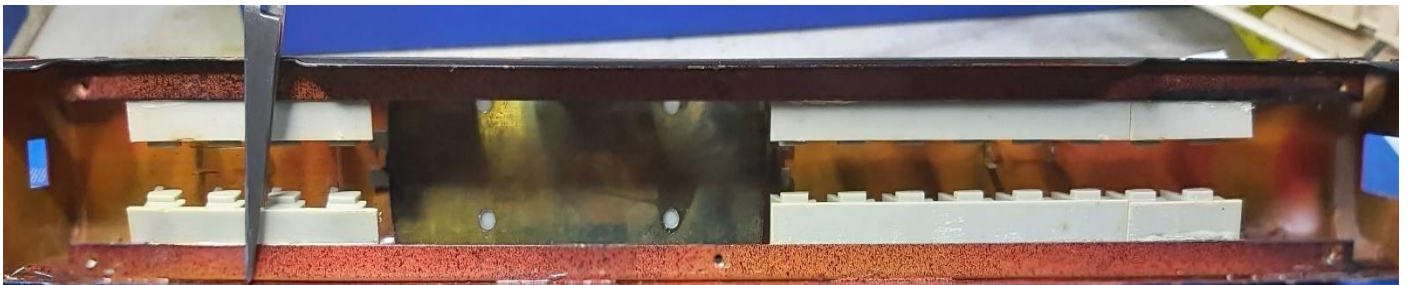
More re-working required to some incorrect placements of partitions as painting & seated figures.



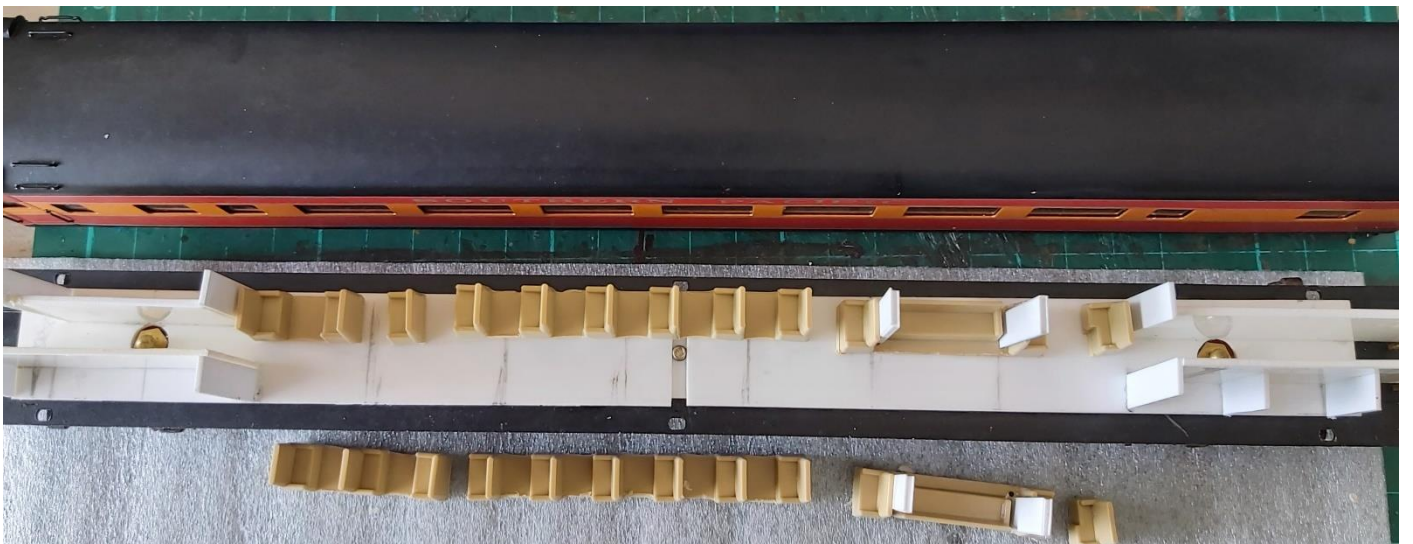
Seated figures.



The BALBOA VISTA DOME: PIKESTUFF seats were inserted by previous modeller, one came loose & required to be reglued along the I channel, clamp shown holding the seat in place allowing glue to cure, this made it difficult to re colour and add figures so it will be left as is for the moment waiting for those passengers at the station until another day to revisit this project & correct.



The Coach: Indenting & measuring Styrene to clear the 'L' for the seating & partitions, the IHC interiors required cutting for modification to fit the required spacing for the windows where the partition walls were fabricated to add length for the restrooms



Not quite right, here variation being 'modeler licence' in adding some variation to the coach rolling stock.





Completed interior secured with double sided tape ready for painting




From the stash of stored & recently acquired items, IHC Passenger Car Interiors for SS & CS cars & RIVAROSSO / IHC 1930 Chair cars.

HO Scale Interiors for IHC Passenger Cars


Smoothside & Corrugated Side

SS & CS Interior
Pulman Standard Observation



SS & CS Interior
Pulman Standard Duplex Sleeper




SS & CS Interior
Pulman Standard Diner

The Finest Scale Model Railroad Products from Around the World


Great HO Scale Interiors at Sensible Prices...

HO Scale Passenger Car Lighting Units
Few sights will ever compare to a lighted passenger train driving its way across your layout.


5998 With 4 wheel sets # 5999 With 6 wheel sets




Lighting Unit includes separator




SS & CS Interior
Pulman Standard Baggage Car



SS & CS Interior
Pulman Standard Diner



SS & CS Interior
Pulman Standard Coach



SS & CS Interior
Pulman Standard Observation


IHC sets a new standard for quality and detail in Passenger Car Interiors with these kits. Assembled in about 30 minutes, these models will bring an extra level of realism to your IHC Smoothside and Corrugated side passenger cars and can be easily adapted for use in cars from other manufacturers.

IHC continues to bring you the finest HO Scale models at prices that keep the fun in model railroading. Every IHC model is fully compatible with all major brands of HO scale model railroad equipment. Look for the IHC shield — Your Guarantee of Quality!

International Hobby Corp.
Phila., PA 19134
Made in Denmark
© IHC 2000

Passenger Car Interiors Available

1920 Style		1930 Style	
9009	Baggage	9009	Baggage
8315/2	Combine	9009	RPC
9000	Coach	9051	Tail Car
8562	Diner	9052	Faconette
8316/2	Pulmon	9648	Val'd Dome
8317/2	Observation	20140	Chair Car
		2977	Diner




Observation Car Pictured. (See End Panel For Actual Contents.)


HO Scale Passenger Cars by Rivarossi

Because the world's finest full scale length passenger cars are the most accurate and highly detailed. Choose from 1920, 1930 and now 1940 scale styles in an incredible number of configurations.


See our advertising in Model Railroader and Railroad Model Challenge for new products, manufacturer's copy.



1920 Heavyweight Series



1930 Smooth Side Series



1940 Corrugated Side Series

Interior painted, Vallejo Model Air light brown applied with the handy air compressor air brush.



This is just a start of the few of the many coaches required to 'filling the voids'

Had a bit of a shock when doing a clean-up finding this packing protective cloth disintegrated which was supplied with the MPD Motive Power Depot storage boxes, on checking the storage boxed items luckily it wasn't in this condition, being off cuts it was leftovers stashed on the trolley.

Looks and feels like LUX soap powder.

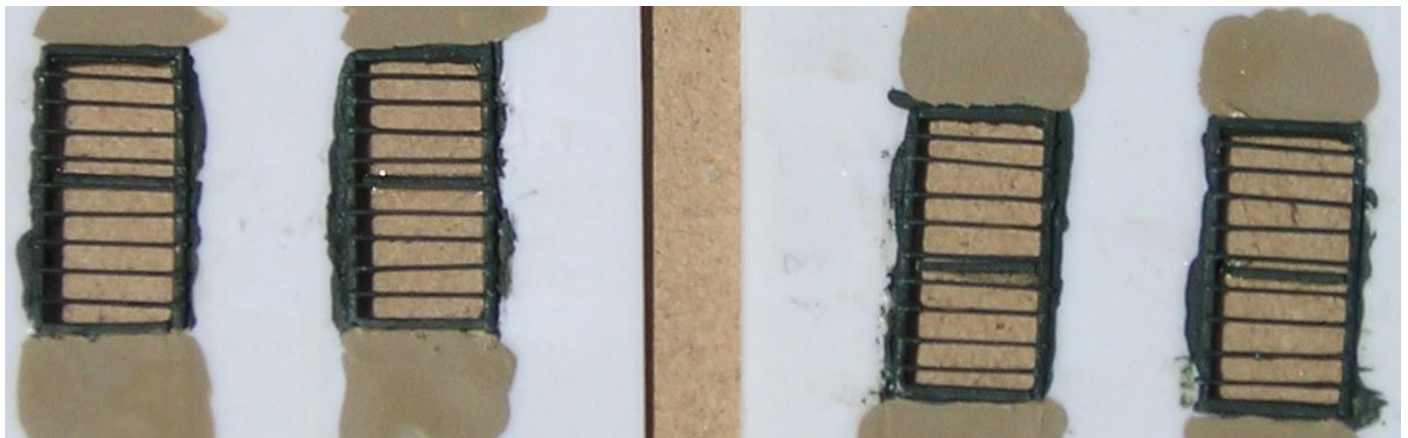
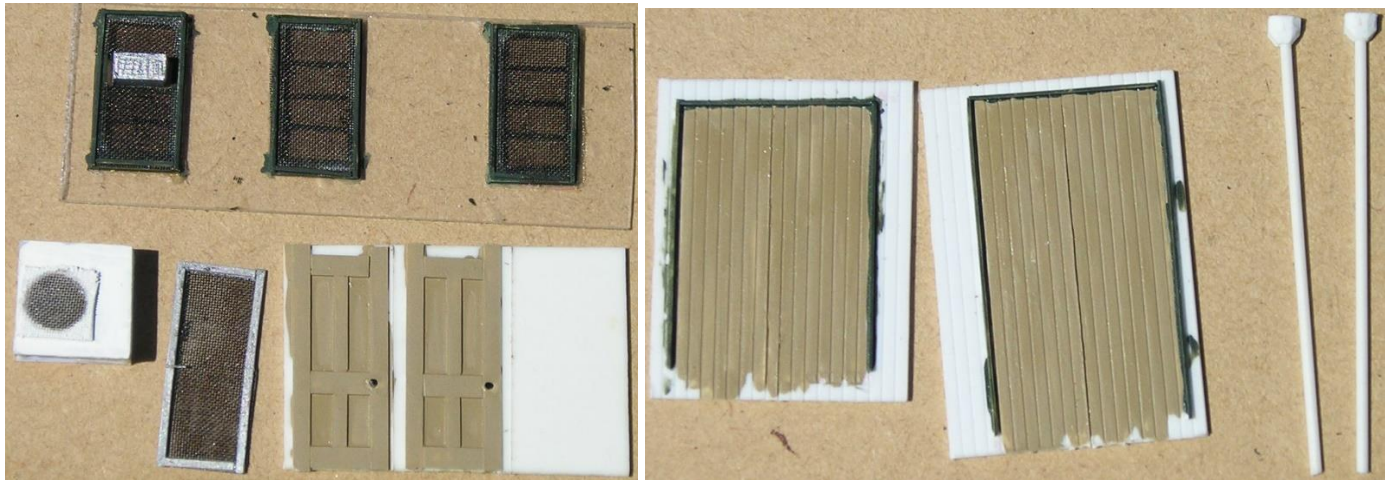
I would suggest that if you have these MPD boxes the packing protective cloth should be discarded & replaced with an alternative product called PPS (Pack Post Send) foam wrap which can be cut to size.

Item: PPS Foam Wrap 300 mm x 25 metres 1mm thickness, obtainable from Office Works of Post office.



Rob NESBITT:

Working continues making the details for the Wagga station. Here are some in-progress parts that are awaiting installation onto the buildings. These parts are small, and fiddly.



Some of the 3D HO pre-printed people, that were reviewed in AMRM Dec 2022 at \$7.50 each, I will be using them to enhance the Wagga station diorama, but I won't be buying a lot more.



David VIRGO:

3D printed Station Names in HO scale

A couple of months ago I purchased a Photon Mono SE 3D printer. It uses a resin printing process, which is quite different to my older Aldi filament printer that I have used since 2018. The main difference for me has been the mess and preparation for working with resin which I might elaborate on later

Anyway, recently, I finally did one of the projects I had bought the printer for and created some station name signs for my layout. I had created a NSWGR font to use on the PC a couple of years ago which isn't perfect but will have to do until I can create a better one.



The drawing was done in Fusion 360. Photos of station signs and one of Greg Edwards' Data Sheets, were used as references.

Ian BARNES:

Is extending his logging branch of the East Coast Railway, a large zig zag shelf will be mounted on the wall above some existing layout so he is doing most of the work outside, or in the garage, prior to installation.

This approach has the advantage of being able to do messy scenery without fuss, and to wire the under benchwork without back breaking effort.

The most productive sessions are done outside on a warm sunny day seated in a comfortable chair and wearing a hat!



The last say.

Austerity be Frugal & Recycle.

Remember and adhere to the ~COVID-19~ medical advises as updates.

Watch emails for updates to Div 2 meetings & continue to 'BLING' to my inbox to the activities of Div 2 members in modelling at home.

Keep on training

Robin.

2023 is just a month away, so consider an Expression of Interest for hosting a Div 2 Meeting.

To comply with any current COVID-19 rulings for meetings will be advised.

The FLIMSY contact robinfoster@iinet.net.au