

B&DSME News

www.bdsmengineers.co.uk

A Company limited by Guarantee registered in England Number 3351832

Editor
Richard Harvey
19 Kings Ave.
Christchurch
Dorset BH23 1NA
rharvey@exchequer.com
01202 481100

Volume 23, Issue 9, September 2004

The
monthly
club news-
letter
For
Bournemouth
& District
Society of
Model En-
gineers

Sec.Dave
Finn 01202
474599



September
News

Trolley Dolly's everywhere

Those of you who have been at Littledown in the last couple of weeks will have seen the experimental passenger trolley undergoing testing in revenue service. The Committee appointed a Trolley Sub-committee to investigate various aspects of the passenger trolleys and what needed to be done to improve the current situation. At its first meeting the three members listed the various problems with the present ageing fleet as being 1: Too heavy; 2: Too wide; 3: Brakes difficult to adjust and maintain; 4: Lack of backrests; 5: Awkward to use drag-beams. Points 4 and 5 were addressed with a completely new drag-beam design with a greater variety of holes for the coupling pins and provision for fitting simple plug-in backrests. These have now been made and fitted to all the trolleys. The remaining points were addressed by a radical approach to the design of a new trolley with the aims of ease of construction, lightness and simplicity. Lightness has been achieved by utilising a monocoque approach for the body. This consists basically of one 5' long sheet of 3mm thick aluminium folded into the basic trolley shape. The ends have folded aluminium panels attached by pop rivets and the new design drag-beams are bolted to these panels. Apart from the bolsters for the bogies and plywood foot boards screwed to the body that is the complete body! The bogies have no springing. The bogie sides are simply flat steel plate 6mm thick with holes drilled in them for the axles, compensating pivot and the two steel rods on which the brakes assemblies will slide. The stretcher is a simple welded assembly of steel angle, while the wheelsets have the ball races set into the wheels so that they rotate on the fixed axle. The wheels are connected together by a thick walled steel tube welded to backs of the wheels. The first experimental trolley was built without brakes and tested, out of the public gaze, at Littledown one Monday evening. It was found that the body has sufficient torsional flexibility to allow the bogies to twist so that it is not necessary to allow one of them freedom to follow twist in the track.

Modifications were quickly made and the trolley put into service at the following Wednesday running session. As a result of this, further mods were made to improve the pivots for the sides. The 4" thick foam seat, although rated as very comfortable is being cut down to just 2" as tests with one of the old seats has proved to be very satisfactory. The trolley has now been painted to match the rest of the fleet, brakes are being made and fitted and steel rubbing strips and derail bars are being made. The new trolley has a very stable ride and is light enough to be lifted by one fit person - two persons find it very easy to handle. With regard to the fleet of old trolleys, it is intended to reduce the width and fit revised brakes. However, the revised brakes will have to wait.

Martin Cuff, Dick Ganderton and John Hoyle



The Trolley Sub-committee looking very pleased with themselves after the first successful trials of the experimental, monocoque trolley.

New Members

The society would like to welcome its newest members Mr & Mrs Hussey & Mr & Mrs Harding. On behalf of the committee and members we extend a warm welcome

Editors Bit

The editors ramble this month will appear in next months issue! I felt it would be better if you all heard about the trolley's.....ED

Diary Dates

- 8- Sept-04 Moors Valley Evening
- 15- Sept-04 Stephen Douglass "Playing with steam in the USA"
- 22- Sept-04 A visit from the Sutton M.E. Society
- 22- Sept-04 Committee Meeting Gallery room
- 20- Oct-04 Foundry Work
- 31- Oct-04 End of Summer Run and Sunday Roast BBQ Courtesy of the editor
- 17- Nov-04 Jack & Anne Bath Ladies Night
- 15- Dec-04 Christmas Party
- 19- Dec-04 Santa Specials

Chairmans Thoughts

Well I thought this time last year that the Chairman's thoughts would be a one off for the news letter but it seems if I have got a job, but it was nice to see Martins thoughts last month may be we could take it in turns. Or change it to Committees Thoughts and they could all have a go. Probably this will be the last you see of me suggesting this idea! Sooner or later it had to happen that we would have an event and it would rain, still we have had a good season of events. The rain did not really spoil the BBQ surprising how many people can get in the engine shed and the annex (OK WC). Well done Lena & Derek and all the other people that helped. Those new type sausages went down well we must get them again. I must say thank you to all the members who have helped on many occasions with our events throughout the year and on our normal running days. With out your help we would not be able to operate our club so easily. I am sorry for not being able to mention every body individually but again thanks for your help it is appreciated. This is not the end of our season we are open all through the year, I believe we are one of the few clubs to operate like this. I hope at the next meeting you all have had time to think of what we are going to do with the Juliet. Maybe we could have a show of hands to resolve it. I think it needs to be run that's what Diane and Mike would of wanted, so please give it some thought after all the Maid of Kent is being well used and hopefully Speedy will be in use soon David



September
News

This Months Competition

- Q1** What did Sir William Petty invent with respect to boating ?
- Q2** Which man In 1979 was featured on a television show for the first time and was awarded the MBE in the new years honours list?
- Q3** Which olympic medal is worth more in monetary value.?
- Q4** Before the Tory party came to power in 1979, what was the cost of a prescription?

Last Months Competition

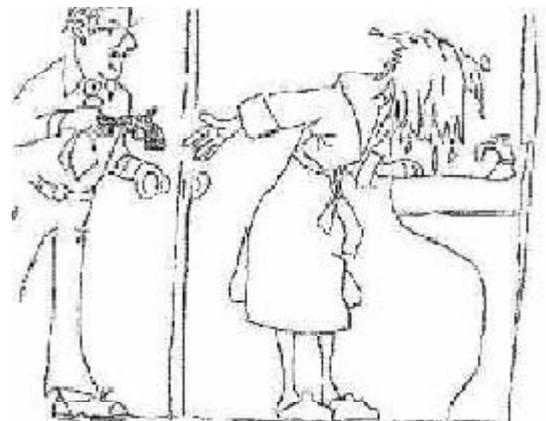
- Q1** Boeing 747
- Q2** Filo T Farnsworth
- Q3** Dr. Crippen
- Q4** A computer mouse

Here is a roundup of away events brought to the editors attention

16th National Locomotive Rally hosted by Birmingham society on 11th - 12th September 3 different tracks, Grand Evening Party, Trade support, Camping available Contact Tony Sear 01926 424 942

3rd Polly Models open weekend 11th - 12th September at the Nottingham society Ruddington.
www.pollymodelengineering.co.uk See the new Polly, meet the originator himself and enjoy a BBQ on the Saturday

And Finally



"Hand me the Hairdryer"