



Chairman's Thoughts

The Society's Cream Tea Social Event at Haskins Garden Centre was a great success, and an excellent way for Members to meet and discuss common interests. One third of the Membership attended. We plan to have another similar event in September, thank you to Malcolm for organising it.

The March Bits & Pieces Evening was interesting. It gave members the chance to catch up on each other's projects. There were progress reports on some *Ellie* tram engines and John Hoyle reported on the successful run of his model, although there are some gearing issues to overcome. Boiler tests were carried out on 16mm locomotives and lots of tea was consumed. Meetings will be held on the third Wednesday evening of the month at Littledown. As the evenings get lighter and warmer activities can move outside.

A warm welcome to two new Members, Andrew Lawford and Junior Member Stanley Rose. Andrew is from the growing band of South Western Railway employees who clearly don't get enough of a 'fix' of trains or engineering in their day jobs. Stanley is the Grandson of David Delaney.

A date has been set for the visit of the Malden & District Society of Model Engineers, It's Saturday 27th July. Hopefully, we can put on a good show for our visitors, letting them have the use of our track for the day. Please put the date in your diary. The day after the Malden visit is the Littledown Centre's Family Fun Day, so the rust will not have time to form on our track that weekend.

Progress continues to the extension of the 16mm Narrow Gauge Garden Railway with the turntable in place and additional sidings. It is now possible to set three different routes around the circuit and more space for rolling stock and locomotives. The official running days are the first and third Sundays of the month.

Finally, thank you to David White for responding to last month's request for a water tank. We now have the first component for the construction of the Water Tower.

Peter Burton

Have you booked your place at the Dinner?

Enjoy a 3-Course meal in Pullman luxury.

Thursday 2nd May 2019 7.00pm

B&DSME Diary Dates

17 th April 2019	Bits & Pieces Evening; 7.30 pm. <i>First Class Members' Lounge, Littledown Miniature Railway.</i>
25 th April 2019 (This is a Thursday)	IC & Stationary Engine Group Meeting; 11.00 am. <i>First Class Members' Lounge, Littledown Miniature Railway. Please let Brian know.</i>
2 nd May 2019 (This is a Thursday)	Annual Dinner; 7.00 pm. <i>The Pullman Car, The Avon Causeway, Hurn.</i> Menu & Order Forms on pp 8 & 9 of this Newsletter. Numbers strictly limited to 30. Return Forms, with payment, to Dick ASAP. First-come-first-served.
8 th May 2019	Tech-Chat (Informal Discussion Meeting); 7.30 pm. <i>Gordon Miles. Please let Gordon know.</i>
15 th May 2019	Bits & Pieces Evening; 7.30 pm. <i>First Class Members' Lounge, Littledown Miniature Railway.</i>
23 rd May 2019 (This is a Thursday)	IC & Stationary Engine Group Meeting; 11.00 am. <i>First Class Members' Lounge, Littledown Miniature Railway. Please let Brian know.</i>

Editor

Dick Ganderton
'Graskop'
76 Dewlands Road
Verwood, Dorset
BH31 6PN

editor.bdsme@gmail.com
Tel: (01202) 822701

Secretary

Peter Burton
bdsme1924@gmail.com

Littledown Railway
Tel: 07879 355399

© 2019 B&DSME. No part of this Newsletter may be reproduced without the permission of the Editor.

B&DSME is a Not For Profit Company Limited by Guarantee. It has no Employees and the Directors receive no remuneration. Registered in England. Number 03351832

Project *Ellie* Progress Report

John Hoyle has been experimenting with the gearing on his *Ellie*. After trying with about 8:1, which was too slow, he has been trying about 6:1. He has found that, while lowering the gear ratio reduces the speed, it increases the steam consumption. This means that his *Ellie* runs out of steam after only a couple of laps and this is not helped by steam from the safety valve condensing, running down the boiler and trying to put the fire out!

This was discussed at length at the recent TechChat Meeting and various ideas put forward to overcome the problem. He is now off to buy a tin of evaporated milk as this comes in tins without the usual corrugations! This is a useful source of plain thin tin sheet - amazing what you learn at TechChat!



About to double head; Derek Sawyer's *Ellie* pilots John Hoyle's *Ellie* with Bruce Baker's unfinished chassis in tow.

Dick has found a useful source of the copper tube for the gas tank, ready cut to length with square ends and costing the bank breaking sum of 78p! Visit your local builders merchant or plumbers supplier and look for 35mm dia straight copper joiners. Make sure that you don't get the ones with rings of solder inside! An e-mail to Dick will get you drawings for the gas tank and the bush for the Ronson style gas filler valve. Drawings for the Gas Burner are under way.

You can still join Project *Ellie*. If you are interested please contact me.

Dick Ganderton

Editor's Ramblings

Royal Mail has increased the cost of a Second Class stamp by 5 percent. The Membership Secretary has compared his latest Membership List with my Mailing Lists and as a result I have dramatically reduced the number of Members receiving their *Newsletter* via Royal Mail. Receiving the *Newsletter* as a PDF file via e-mail greatly reduces the cost to the Society and my time spent producing the paper version. It's just as easy to read on an iPad (other tablets are available) as a paper copy and you don't need to print it out!

The newly formed Stationary & IC Engine Group, while not breaking any records for numbers attending, is progressing. If you have an interest in model stationary steam and IC engines then you would be made very welcome. Meetings are planned for around 11.00 am on the last Thursday of each month. Meetings are informal, along the lines of the monthly TechChat meetings with no agenda.

TechChat is another of the Society's regular group meetings. You don't have to be an expert to attend, just have an interest in anything and enjoy a cup of coffee and chocolate biscuit!

The Annual Dinner has been arranged to be held in the restored Pullman Car at The Avon Causeway Hotel, Hurn. If you want to join us for a 3-course meal in Pullman luxury get your reservations to me ASAP. The number of Members booking has been very disappointing compared to previous years. I had expected that the venue - a restored Pullman railway carriage - would appeal to our Members.

If you have anything that you want published in the *Newsletter* please send it to me. I am getting older and if you just tell me verbally I am likely to forget what you said. The easiest way is to send it to me, either as text in an e-mail or as an attachment to an e-mail. Please, please do not try to make what you send me look like you think it should when printed! Embedding pictures and tables in an MS Word document gives the page layout software I use indigestion. Send pictures as separate attachments. (.jpg or .tif format is acceptable.) If you use anything other than MS Word please save the file in MS Word format (.doc or .docs) and please don't add extra spaces after punctuation or to space text across a page - that's what tabs are for.

Dick Ganderton

Security

All Members are reminded that if they use any of the facilities at Littledown they are responsible for ensuring that they put everything away and **securely lock up before they leave**. Recently the Station and several parts of the track were left unlocked. Also, if you use the facilities you **must** fill in the Log Sheets.

Typeset by Dick Ganderton in Helvetica using Adobe InDesign CS5 v7.0 on an Apple Mac mini 2.6GHz Intel Core i5 running MacOS High Sierra v10.13.6.

Newsletter By E-mail

If you want to receive your copy of the Society's monthly *Newsletter* as a .pdf file, in full colour, you must let Dick know, by e-mail, sent from the computer you want to receive it on.

Grandson's Birthday Present

The model pictured has just had its first run at Littledown, having been built for my grandson's fourteenth birthday. He is our newest Junior Member.

The chassis is an I.P. Engineering 'Dual Gauge Electric Chassis' which I bought some years ago and had not got around to using. The body is of my own design and steel construction except for the radiator, which was machined from a solid piece of brass which I had to hand. An Mtronik Viper electronic speed controller (ESC) is driven by a Zebra 40MHz radio outfit, which was in my 'spares drawer'. Power comes from a 7.2V re-chargeable battery pack, with a charging socket on the main frame.

Can anyone work out why the loco is painted red, named Anfield and carries the number 96? Answers on a postcard, please . . . !

David Delaney



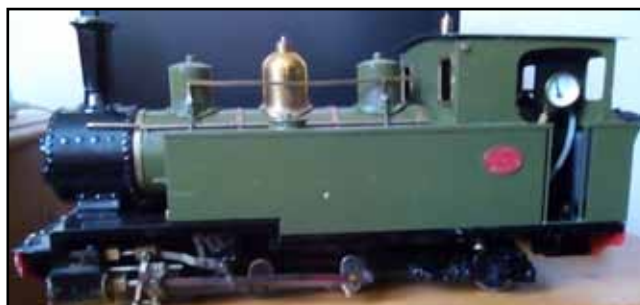
For Sale

Ron Cooper is downsizing and relocating to Cardiff to be near to his son and another Model Engineering Society with a running track! He has for sale the following radio controlled 16mm live steam locomotives:

Cheddar *Iver* asking: £250

Roundhouse *Argyle* asking: £650

Enquiries should be directed to Ron: 01202 519517



Bits & Pieces

The next Bits & Pieces Evening will be on 17th April at 7:30pm in the Lounge and Workshop at Littledown. This is open to everyone, especially novice model engineers. If you wish, bring along something you're working on, either for some helpful suggestions from other Members, or just to show off! Otherwise, just come and join in the chat. There will be the opportunity to use the Workshop, with guidance if required.

We cannot guarantee to solve every issue instantly, but we'll try to help! It could also be an opportunity to progress towards assessment to join the Lathe Approved Users List. Tea, coffee and biscuits will be available.

David Delaney

Annual Dinner

The Annual Dinner has been booked with The Avon Causeway, Hurn in their restored Pullman Car. The date is Thursday 2nd May 2019 at 7.00 for 7.30 pm. You will find a Menu and Booking Form with this *Newsletter*.

The Pullman Car is normally used for the Hotel's *Murder Mystery* events and only holds a maximum of 35 diners. Because of the restrictions imposed by serving meals in a railway carriage the menu is restricted and I have decided to keep the number of places available strictly to 30.

If you want to dine in opulent railway surroundings then I suggest that you complete the Order Form on page 9 and return it to me, **promptly**, together with your payment. It will be strictly **first-come-first-served!**

As I have to inform the Hotel of the numbers and their menu choices two weeks ahead of the meal, all orders must be with me, with payment, by Monday 15th April 2019. Cheques must be payable to B&DSME and sent to me with a Booking Form.

Dick Ganderton

General Data Protection Act 2018

This is to inform you that the Bournemouth & District Society of Model Engineers only keeps such records of you as are necessary to maintain your Membership of the Society. This data is kept securely only by those Officials of the Society who need to have access to it. We do not divulge any information we hold on you to any third party or use it for any other purpose than is essential to maintain your Membership of the Society. The Society has a Privacy Policy and this is available on request from the Data Protection Officer.

R.A. Ganderton
Data Protection Officer

16mm Update

I have to admit that the new Steaming Bay/Marshalling Yard has taken longer than planned, but except for a few final tweaks is now fully functional.

Just a few comments for first time users:

- 1: all turn-outs are manually operated;
 - 2: the turntable is also manual and has no track locks;
 - 3: in order to keep the Marshalling Yard clean we would ask Members to use the designated Steaming Bays only for steaming up;
 - 4: cooling down is OK in the marshalling area;
 - 5: where possible electric or steam shunting is preferable.
- An additional crossover is being installed before the top left hand bend to allow running without assembling the bottom return loop on an 'out & back' system.

I hope John Hoyle's photographs will show the dedicated work put in by the small team - THANK YOU! Come and try it for yourself on the First and Third Sunday of each month, weather permitting, of course.

Gordon Miles



SM32 16mm track for sale

I have following items for sale. I need to sell these unrealised project items to fund a recent lathe purchase!

Ideally collection / viewing to be arranged at Swanage or Bournemouth. Postage / possible hand delivery at cost.

Peco Ref:	Item	Quantity	Detail	Condition
SL810	Rail Joiners	1	n/a	NEW
SL800	Flexi track	5	814mm length	NEW
ST007	Second Radius	1	Outer radius 885mm (36")	USED: Fair/ good. Fixing holes
ST005	First Radius	5	Inner Radius 782mm (30")	USED: Fair/ good. Fixing holes
SLE 887	Y Turnout	1	Medium Radius. 487mm long	USED: Good 2 fix holes, 1 damaged sleeper
SLE 885	Medium Right Hand Turnout	1	Medium Radius. 511mm long	NEW
Faller e Train Ref:	Item	Quantity	Detail	Condition
3B16	Ø curved box	1	Ø 30 degree. 77cm diameter	Used. Very Good
3B16	Curved unboxed	8	As above	Used very good
3B16	As above	7	As above	Fair / good. Damaged plastic connectors. Fish plates good.

The Faller E track was intended for a portable baseboard for short wheel base battery locos only. I would like to realise as near to £150 as possible for the lot but would consider separating.
Paul M Jones. 07599 071169 e-mail: pm_jones2009@yahoo.co.uk

News From Joel

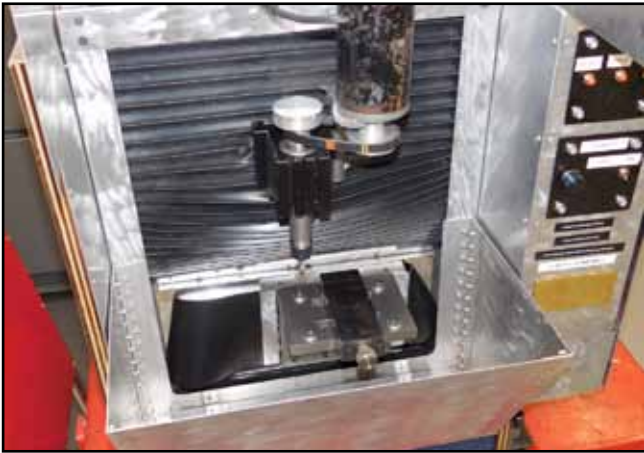
The pictures show the biggest and quite possibly most interesting project since my last update, building a small computer-controlled milling machine. As there was some spare time at college last year, I decided to make a miniature milling machine which I had been designing for a few months. Whilst cast iron would have been a better material for this application, the cost involved in having one-off castings made would have been considerable compared to the readily available bar stock in the 'scrap bin'. The college managed to recover from the initial shock of material being used at a previously unheard of rate, though I am still reminded of it regularly.

Hardened and ground ball bearing rails were bolted down in pairs to carry the slides. These combined with recirculating ballscrews were used to reduce time spent machining components and practically eliminate backlash. The control codes for the machine are sent from a laptop to a microprocessor controller which controls a stepper motor driving each machine axis.

Initially I made a mount for the micro lathe spindle to be able to use the same collets and chucks. Since using it for a few jobs, I've started building a quick changing spindle which can be kept on the machine permanently. The parts shown in progress are for a rigid dial test indicator stand I've been making lately.

As part of getting a highly desirable permanent work placement in a research and development toolroom, I have been relatively busy with work and studies, but have had some time to make a full chess set while learning how to program and operate a computer-controlled lathe. I am now spending a few months on a full technical drawing course, the latest challenges being projecting conical section views and drawing, dimensioning and tolerancing a complete turbine disc.

Joel Keen



Needed For The Kitchen

The essential tea towels, used to dry up the cups you all have your free tea and coffee in at Littledown are now worn out and need replacing.

If you have any spare ones at home we would appreciate it if you could donate them to the kitchen.
Thank you.

The Ladies



18th - 19th May 2019

Wimborne Model Engineers would like to welcome anyone wishing to attend.

After the success of the first 'Anything Goes Gala' held in 2017, we are proud to announce the third year of this hugely popular two day event!

Saturday - 11am to 8pm

(Members and Visitors day only)

Sunday - 11am to 4pm

(Public Running Day, Visitors Welcome)

Ground Level 5" Gauge Fully Signalled Railway

★ Official Opening of Our New ★
Shunting Yard

Large Area for Traction Engines

16mm Garden Railway

Exhibition Tent

Live Music

Visiting Attractions

If you are interested in joining in or want to know more, email Ryan ;-

wdsmegala@yahoo.com