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LeedsLines

Newsletter of The Leeds Society of Model and Experimental Engineers



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Front Cover Picture

**The Steaming Bay, Eggborough, Lit by the New LED
Floodlighting During the Bonfire Night Run 2017.**

Picture by Mary Lee

*The '[Mary Celeste](#)' effect was achieved by waiting for the pie and peas to
be served!*

From the Chair

Jack Salter

For a long time engineering has been under appreciated in the UK, a popular image is of an engineer is the man that mends your car, rather than a creative problem solver.

This has had the effect that youngsters who might have been good engineers are instead encouraged to do an Arts .

Latterly the "powers that be" have started to recognise this as a problem, I am pleased that *[Dick Strawbridge's latest series on television](#)* on building a long distance model railway is also showing failures and how they are overcome, giving general viewers a real insight into engineering, I am sure any of our members that have viewed the series have been as delighted as I that one of the "heroes" is a young member of Leyland SMEE, delivering more practical solutions than the undergraduates - perhaps I am demonstrating reverse snobbery!

I still come across people in my work life (at the Department for Education) that don't believe that someone can be academic and practical!

However there is progress, the Department will be organising a series of events around the country to enthuse young people about engineering, one of these will be at Doncaster Racecourse in June, they are looking for volunteers to act as judges and guides, I am keen to get involved , if anyone else is interested have a word with me, I will be asking at the next Committee meeting if this is something where we want LSMEE to be involved.

We have always known engineering is great, time to encourage the next generation

Follow this link to find more information about The Year of Engineering2018. This links to a government website.

<https://www.yearofengineering.gov.uk/>

Dennis Lawson

Arthur Bellamy

Sadly I have to report the death of one of our former members, Dennis Lawson. Dennis died last December. He joined the Leeds society when we moved to Eggborough. Dennis left the Leeds club when the York track became established close to the Main line. Dennis was a great help to me, we met frequently on Wednesday afternoons and he also helped Mick Keenen in making the signal gantry.

Dennis had a well equipped workshop which he put to good use in building several engines. One of these is still being run by a club member. Dennis also built an engine for his son, and he later went on to make clocks.

Subs 2018

Nigel Bennett

Well it's that time of year again. How much have they gone up this year? They haven't! They've COME DOWN IN PRICE!

Yes, unbelievably, we've managed to reduce the price of your Leeds SMEE Subscriptions to £33 for those so stricken in years as to have been born before the year 2000, and a mere £2 for everybody else. We accept cheques made payable to "Leeds SMEE" or cash. Slip your Hon. Treasurer the dosh and he'll hand you an exquisitely-crafted piece of pink cardboard in exchange. Nigel lives (with the current Mrs Bennett) at . Or hand it to him next time you see him.

Thank you!

David Beale Memorial Run

Arthur Bellamy

The committee are discussing the possibility of a David Beale memorial run at Eggborough. David was a long standing member of the club and produced many fine models.

The idea would be for the current owners of David's engines to display completed and part built models in a static display in the clubhouse. Owners of engines in running order would be invited to run exclusively for a period of time before freeing the track for all for the rest of the day.

The April running day is one date being considered as this would be close to David's birthday, but committee will confirm a date after they have had chance to contact current owners about availability of the models.

General Data Protection Regulations (GDPR)

Some of you may have read in the Southern Federation Newsletter about some new legislation regarding Data Protection. Accordingly, Leeds SMEE Committee has reviewed the data it holds on Leeds SMEE Members. The Committee have deemed it necessary to tell you, the Members, what information we hold about you, why we need this information, what we use it for, and how it is held and kept safe. When further details of the legislation are made known, the Society Procedures will be amended accordingly.

Leeds SMEE requests the following information from Members at the time of their application for Membership:

Full Name & Postal Address & Telephone Number (landline, mobile or both)

Email address (if applicable) & Date of Birth

Why we need this information

It is necessary for communication with members that we have an address. It is much cheaper for Leeds SMEE to communicate with Members via email as this does not incur postage costs, but it is important that we can still use the postal system in the event of electronic communication problems. Similarly, a telephone number is an important means of communication from Leeds SMEE to Members.

The Date of Birth is needed in order that the correct fees can be paid; Junior Members pay a significantly reduced rate of Subscription, and the Eggborough Sports & Social Club charges different fees for those over 65.

All Members' details as above are stored on an encrypted Excel Spreadsheet held by the Hon Treasurer. Copies of the information dating back to 2003 are held on back-up drives remote from the "live" version on the hard drive of the password-protected PC. Nothing is stored remotely or "in the cloud". Redacted versions of this information, which excludes Members' date of birth, are also held by the Hon. Secretary and by the Newsletter Editor.

The original paper Membership Application forms (held by the Treasurer) have now all been destroyed.

An additional list of members' names and the first part of their postcode (as e.g. FJ Jones LS24) is also held on a paper document held by the Eggborough S & SC steward.

Any Member who, having previously given information (such as date of birth, telephone number or email address), wishes that such information held by the Leeds SMEE officers listed above should no longer be stored as described above, may request that this information be deleted, and this will be done. (The Date of Birth could, for example, be amended to Year of Birth, which would still provide Leeds SMEE with sufficient information.)

No information on any Member held by Leeds SMEE will be disclosed to any third party (including other Members of Leeds SMEE) without the permission of that Member.

Nigel Bennett, Hon. Treasurer

Leeds SMEE Christmas Quiz 2017

1. What is unusual about the name of Thompson's LNER B1 No.1040 "Roedeer"?
2. Preparatory to full-blown trials in South Africa, Bloodhound, the vehicle attempting to raise the Land Speed Record, was tested recently at about 200mph at a site in the UK. Where was it?
3. What are those instruments with whirly rotating cup things used to measure wind speed more correctly known as?
4. Which firm built the Deltic locomotives, which displaced Gresley's A4s from the East Coast main line?
5. Who is the current UK Secretary of State for Transport?
6. What aircraft, with four Rolls-Royce Griffon engines, used chiefly for maritime reconnaissance from 1951 to 1991 was a development of the wartime Lancaster bomber?
7. The railway line from Carlisle to Edinburgh was closed as a result of the Beeching cuts in 1969. Part of it, known as the Borders Railway has re-opened recently, but what was the line formerly known as?
8. What is the name of the artist who illustrated A A Milne's Winnie the Pooh books?
9. The LNER used letter codes for their locomotives, based on their wheel arrangements. "A" signified a 4-6-2, "B" 4-6-0, and so on. Only "I" was not used. What was an "N"?
10. Staying on the LNER, what was the wheel arrangement of the unique W1, the "Galloping Sausage", as Gresley called it?
11. BR Standard Class 7 No.70003 was named after the 17th century author of Pilgrim's Progress. Who was he?
12. Staying with the Britannias, David Beale built a superb 5"G model of No.70007, now owned by one of our members. But who or what was Coeur-de-Lion?
13. The TPWS system is widely fitted to British railways in order to enhance rail safety. As a point of interest, it is also used on Victoria Railways in Australia. What does TPWS stand for?
14. What type of bridge is London's Tower Bridge?
15. Which former worker at Bletchley Park, instrumental in breaking the German Enigma code, is regarded as the father of computer science and artificial intelligence?
16. What was the name of Gresley's first A1, built as No. 1470, and controversially rebuilt by Edward Thompson just after the war?

17. What was the two-seater British fighter aircraft equipped with a four-gun turret and Merlin engine which had a rather mediocre role in the Battle of Britain?
18. There is a well-known statue of the Black Prince in City Square, Leeds. But what was his first name?
19. Martin Evans designed a 5”G version of the experimental LMS 4-6-0 No.6399 built by the North British Locomotive Co. in 1929 with a high pressure semi-water tube boiler. What was the locomotive called?
20. In the TV series Dad's Army, what was Captain Mainwaring's first name?
21. What was the name of Churchward's 1908 4-6-2 pacific, the first in the UK?
22. What were the ten BR Standard Class 6 4-6-2s named after - and so know as?
23. What would you use a Wheatstone bridge for?
24. Next door to the Yorkshire Patent Steam Wagon Company on Pepper Road in Hunslet was another steam road vehicle manufacturer. Who were they?
25. Who designed the GWR 4-4-0 County Carlow in 3.1/2”G, SR 4-6-0 Elaine in 2.1/2”G, and LSWR O2 “Fishbourne” in 5”G in Model Engineer magazine?
26. What main Yorkshire river flows between the Swale and the Nidd?
27. Who entered the Novelty locomotive in the 1829 Rainhill Trials?
28. The Germans know one of the elements – symbol W – named as Wolfram by its discoverer, but what do we call it?
29. Which four British cities have underground rail systems?
30. In the TV puppet series "Thunderbirds", what was Lady Penelope's chauffeur called?
31. Who was the baroque Venetian composer who composed the four violin concertos entitled the Four Seasons?
32. He was involved with the manufacture of Frank Whittle's jet engine, contributed to Model Engineer under his own name, and also under the pseudonyms 'Artificer', 'Ned' and 'Kinemette'; he was a former editor of Model Engineer, and he died in 1970. Who was he?
33. Who designed the 5”G locos “Loch”, “Jones Goods”, “Penrhos Grange”, SR “Schools” amongst others in Model Engineer?
34. What was the name of the collaborative NASA/ESA/ASI (Italian space agency) space probe that was deliberately crashed into Saturn on September 15?
35. On UK railways, what does a double yellow colour light signal signify?

36. Many modern cutting tools are “TiN Coated” for increased tool life. What is TiN?
37. From which station is the Lynton & Barnstaple Railway now running trains – including a full-size replica of the Baldwin 2-4-2T Lyn?
38. Who is credited with the invention of the live steam injector?
39. What metal is obtained from Malachite?
40. Who was the American-born member of Monty Python’s Flying Circus, who created the cartoons and later directed several films including Time Bandits?
41. Name two famous Belgians – both of whom are associated with Railway Engineering.
42. The author, famous for his Discworld fantasy novels, had his wishes fulfilled this year when a Fowler steam roller crushed the hard drive containing his unfinished work. Who was he?
43. Who was “Bro. Hyphen” as LBSC called the designer of the “Twin Sisters” LMS Dock Tank?
44. Who, the former owner of a full-size 9F, was the wildlife and railway artist who died this year?
45. What is both a punctuation mark and a butterfly?
46. Who was the more well-known business partner of James Watt after John Roebuck?
47. What would be the tapping size drill for an M6 x 0,5 threaded hole?
48. Creator of Paddington Bear, Michael Bond, also wrote The Herbs, which was televised in the 1970s. What was the name of the lion in the series?
49. Mordor is a fictional location created by which author?
50. After leaving the Southern Railway and its problematical Leader locomotives, Oliver Bulleid took up a new position in 1950. Where?

Many thanks to Nigel for quiz. The winners this year were

1. Arthur Bellamy (and Judith)
2. John Charlesworth (once again)
3. Alistair Bootland (benefitting from the LNER bias)

Answers have been sent as a separate pdf file or as an A5 insert with the printed version.

Working Party Update

January 2018

Raised Track Riding Cars Refurbishment:

The riding car bogies were finally delivered on 8th January and work has started to fit them to the cars. Following trials with the new bogies we have revised the springing to get the best compromise between 'light' and 'heavy' loading. Weights are being fitted to the inside rear of the cars to prevent 'lifting' when the locomotive driver only is on board and leaning well forward as some seem to want to do! Part of the refurbishment project has been to recover the seats with new foam and vinyl. For reasons unknown this new combination appears to have attracted every mouse in the County (and possibly also something else



with larger teeth!) These 'visitors' have aggressively chewed our new foam/vinyl combination. The little blighters have even chewed through some hydraulic brake hoses! What a mouthful that must have been. We have therefore installed rodent deterrent ultrasonic devices in the carriage shed and the outer workshop. We have also recovered one 'sacrificial' seat with a different kind of vinyl having first treated the inner

foam with rodent deterrent spray. Thus far our trial 'sacrificial' offering has not been chewed. Hopefully this will remain the case and we will then recover the remaining seats prior to the start of the running season. Whilst on the topic of riding car seats may I point out to members that all the seats are numbered and fit the same numbered riding car frames. There are small size differences in the riding cars and the numbering allows for a close fit.

Potable Track:

New 'Train Rides' signs have been made and look most professional. Sign writer or what? The signs are reversible so as to direct passengers in the right direction and they also have a 'price per ride' tags which can be varied depending upon the event.

Steaming Bay 12 volt Blower Supply:

The underground supply cabling and above ground outlets on the individual steaming bays are being replaced. There will be two blower points on each of the south side steaming bays and one point on each of the north bays. Steel conduits have been attached to one side of each bay fed from a junction box at the end of each bay. A new armoured cable is now being laid which will connect up each of the junction boxes. We should have this work completed before the start of the running season in March. In the meantime the old system is still 'live'.

Leaves:

Thanks go to the working party members who have removed many barrow loads of leaves from the track site to the compost heap.

'Mickey' the Mole:

Despite the attention of the professionals last year our 'Mickey' is undeterred and chucking up his hills all over the place. We have flattened the hills but watch your step!



Buildings:

The workshops have been tidied up again! Please keep them tidy. The sink drain has been dismantled and partial blockages cleaned out and the water now flows freely! Not a job for the faint hearted.... David W. sorted it!

The gutters on the Club building have been removed and replaced in better alignment and the down spout for the outer workshop roof moved to the corner by the toilet. This rainwater now goes straight into a drain channel instead of running across the path.

A 'grab rail' has been fitted to the wall to the left of the toilet. This should help members/visitors with disabilities.

Geoff Shackleton (Hon. Sec.)

Society Officers and Committee

President:	Arthur Bellamy
Chairman:	Jack Salter
Secretary:	Geoff Shackleton
Treasurer:	Nigel Bennett*
Committee:	John Hunt
	Steve Russell*
	Peter Smith
	Nick Morley
	Geoff Midgley
Newsletter Editor	Geoff Botterill

*** Denotes Boiler Inspectors plus**

Martyn Chapman

E-Newsletter

Articles from members are always welcome and can be sent to me by email leedslines@gmail.com, or by post to the club secretary.

If you currently receive a printed copy of the newsletter and would like to save the society printing and distribution costs, while at the same time doing a little to preserve the planets resources, simply email me using the above link and a PDF version will be sent to your inbox.

The Society web page can be found at

<http://www.leedssmee.btck.co.uk/>

*THE VIEWS EXPRESSED IN THIS NEWSLETTER ARE NOT NECESSARILY
THE VIEWS OF THE COMMITTEE*

LSMEE - Dates for Your Diary – February 2018

Membership Subscriptions are now due

7th February	Meeting Night	19:30-21:45
	<i>‘Patriot - The Unknown Warrior’ John Hastings-Thomson</i>	
21st February	Meeting Night	19:30-21:45
	<i>‘Three Short Model Engineering Topics’</i>	
4th March.	<i>‘Safety Training Day’.</i>	
	<i>Eggborough track -</i>	<i>10:00 to</i>
7th March.	Meeting Night	19:30-21:45
	<i>‘Jumble Sale’ (In the SMEE Clubhouse)</i>	
11th March	<i>Public Running Day.</i>	
	<i>‘Eggborough track -</i>	<i>10:00 to 16:30</i>
21st March.	Meeting Night	19:30-21:45
	<i>‘3D Printing and Laser Cutting’ Bob Gledhill</i>	
4th April.	Meeting Night	19:30-21:45
	<i>Trophy Night</i>	
8th April	<i>Public Running Day.</i>	
	<i>Awarding of the Leeds Trophy.</i>	
	<i>‘Eggborough track -</i>	<i>10:00 to 16:30</i>

Please note Running Days are not always on the 2nd Sunday in the month and General Meetings not always on the 1st and 3rd Wednesdays. Sometimes it is necessary to move a date to avoid a clash with other events

Working Party

Working Parties continue every Monday

Excluding Bank Holidays