

The Friends of the **National Railway Museum**

Briefing 65

South of England Group

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Vice Presidents - Alan Pegler OBE, FRSA; Sir William McAlpine Bt., FRSE, FCIT, FRSA

OBITUARY: ALAN PEGLER

You will probably have seen that the last year. Senior Vice-President, Alan Group's Pegler OBE, FRSA died on Sunday 18th March, aged 91. Alan had a long association with the South of England Group. We appointed him a Vice-President of our Group due to his key role in the preservation movement - not only Ffestiniog Railway, which he helped to rescue. Many of you will have met and talked to him and everyone who did so came away with a respect for his enthusiasm.

He spoke to the Group on 23rd September 1996 when he reminisced about his interest in railways. This started when he saw N° 4472 at the British Empire Exhibition in 1923 leading to a life-long association with the engine. Despite it being instrumental in his own financial downfall, he always had a deep love for it and was always keen to see it working on the main-line. A summary of his talk appeared in Briefing N° 7 and is available See centre pages for some photographs on the Archive CD which was distributed and more on Alan.

Following his talk, at our fifth AGM in January 1997, he accepted the request that he become Vice-President a alongside Captain Bill Smith RNVR. So this was to be Alan's 15th year serving in that office.

Most members will be aware that in the Nº 4472 Flying Scotsman but also the last few years, Alan was confined to a wheelchair. However, that didn't prevent him from taking part in events, including regular visits to the Ffestiniog Railway. On 16th May 2009, he was present at the unveiling of "Bill's engine" GNR J52, N° 1247, following its repaint at NRM Locomotion, Shildon - demonstrating his association with the South of England Group, and Bill. Peter Townend, who was also present at the event. instrumental in both Bill and Alan acquiring their respective locomotives when he was shed-master at Kings Cross. That was the last time many of us saw Alan. He will be sadly missed.

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150 YEARS OF LONDON UNDERGROUND

On 13th February, we welcomed Oliver opened on 10th January 1863 and proved Green, past head curator of the London an immediate success. The only real Transport Museum and Barry Le Jeun, problem was the smoke. Trials of a Chairman of the Friends of the LTM. fireless locomotive, which used pre-Oliver gave a presentation on the growth heated hot bricks to boil water, proved of London's transport infrastructure over unsuccessful. This prototype became the last century and a half, with a known as "Fowler's Ghost". The GWR particular emphasis on the underground leased the company more traditional railway system – a system which now locomotives for the opening of the line. handles 1 billion passenger journeys per The GNR provided a further stop-gap year, more than all the rest of the UK's before their own locos arrived. These railways put together.

The story started in the first few decades The engines were powerful, well able to of the 19th century, a period of rapid handle the rapid acceleration and braking. expansion London of and disruption, as the main-line railways wasn't too successful and for much of the brought their lines to the then boundaries time they worked without it. The result of the city. They were prevented from was stifling, damp smoke throughout the going further both by the costs and the disapproval of Parliamentary and the City on the inner city lines in 1905, when they Fathers. The resulting chaotic horsedrawn intra-city transport was illustrated N° 23 still survives, having been banished in contemporary cartoons.

The solution was championed by Mr Meanwhile Pearson, Solicitor to the City of London, company had started building established the who between Kings Cross and Farringdon. Circle until the late 1880s. Gower Street stations were miniature mainline stations with overall shield by James Henry

came from Bever-Peacock of Manchester. much They had condensing apparatus which system. Most worked to the end of steam went to the outer-suburban services. Only to the Brill branch.

the Metropolitan-District Metropolitan southern part of the system along the Company in 1860. Although he didn't live Embankment. It is a myth that this project to see it completed, he recruited John showed how good the Victorians were at Fowler as engineer, who used the tried coordinating big public works. In fact it and trusted cut-and-cover technique to was only after the great London engineer build the line under the main roads - Joseph Bazalgette had completed the tunnelling was only used in penetrating sewer under the Thames Embankment the rising land under Mount Pleasant. The that the company came along and dug it line was completed in an astonishing two up to build their line. The first part was years, with only one serious accident opened in 1868 but the north and south when the Fleet sewer broke through parts were not joined up to form the

Oliver showed some original photographs By the end of the 19th century the first of Kings Cross taken at the time. Tube lines were making an appearance. Noticeable by its absence was St Pancras The City and South London was the first, Hotel and Station – not due to arrive for opening in 1890 and running from another five years. Only Baker Street and Stockwell to Monument. Its construction, fully and those which followed, were made enclosed, all the others were built as possible by the invention of the tunnelling glass roofs on iron framework. The line Building the line was one thing but what

should power the trains? Steam haulage Hampstead (Northern) and Bakerloo was out of the question in the deep lines, but died in 1905 before these were tunnels. British experience with cable complete. By then he had bought up the haulage was not positive; the first such District Line and standardised on the 4line in London, the Highgate Line, went rail system of running lines we know bankrupt. Ultimately, electric traction was today. In 1908 the company issued its first chosen, the contract going to Hopkins branded "Underground" map. Brothers who had a licence from Thomas Subsequently, Albert Stanley (later Lord Edison's company. The trains were Ashfield) and Frank Pick were the assembled by Beyer Peacock and were "formidable pair" who further developed formed of a locomotive and 3 carriages, the system. George Gibb had replaced Despite Punch satirising it as the "Sardine Yerkes" as Chairman and Managing Line" and the carriages being colloquially Director on loan from the North Eastern referred to as "padded cells", the line was Railway. He recruited Pick from the NER a success. The technology was so cutting to head the marketing side. Stanley edge that, following a visit to the replaced Gibb and pushed ahead with Stockwell power station, H.G. Wells substantial investments. In the early wrote his novel "Lord of the Dynamos". 1920s, the pair used a variation of the locomotives However, the underpowered and there was insufficient Metropolitan Company. Stanley and Pick generating capacity to power them and put forward a proposal to the government the other ancillaries, such as station to build "homes fit for heroes" next to lighting which remained gas fuelled.

were the first company to introduce City and South London expanded and multiple units. Their advertising was joined the rest of the system as the aimed to pacify the travelling public and Northern Line. In 1928 Piccadilly Circus "avoid anxiety" over all the new station was rebuilt and was so impressive technology. They pitched their service at that, when a Russian delegation visited, men commuting into the City and also they convinced Khrushchey, then partywomen paying visits to the Central leader for the Moscow Metro, that they London shops and theatres.

Then came one of the most controversial The Piccadilly Line was extended north characters – C.T. Yerkes. He was a US and entrepreneur who developed electrified elevated lines in Chicago, integrated transport centres with the Following some shady deals over there he Company's buses. moved over here and developed the With nearly 60 stations on the system, it

were Metroland idea developed by the separate lines they would build, all financed by The next Tube was the Central Line. They government guarantees. As a result, the must have a system bigger and better! west with newly-designed, the standardised stations, many forming

London Tube system. He set up a system was getting difficult to find one's way of main and subsidiary companies, round, so Harry Beck's geometric route persuading banks to invest in a selection map, produced at this time after two of the latter. This gave him great freedom year's of development, was a real boon. to move money between the various The decade ended with the introduction of companies, enabling the projects to go the 1938 Tube stock and the second world ahead. The first was the building of the war, the former setting the standard layout Lots Road power station in Chelsea. He for all subsequent designs, and the latter started the building of the Piccadilly, putting a temporary stop to any further

development while Londoners took Museum. They currently have some 2500 shelter in "their" Tube. Many government members and are active in funding bodies also took shelter there, including various restoration projects, including the the regional defence and control centre. O-Stock at Acton, and a 1897 coach being At the end of the war the planned rebuilt at Boston Lodge. The latter should extensions to the Central and Northern be ready for the celebrations next year. Lines were only partly completed. The They also have several bus restoration next major extension was the mid-1960s projects in hand, including one to rebuild Victoria Line. The following decade saw a B-Type bus in the form used to ferry the extension of the Piccadilly Line to troops to the First World War front line. Heathrow and the start on the expansion Funding comes from subscriptions and of the Jubilee Line. We have since seen from sale of redundant items recovered catalysed by the Railway. While not part of London Museum with any surplus going for sale Transport, the next decade will see the by the completion of Crossrail; so it is clear that occasionally buy items the period of railway construction in Museum needs to fill a gap. Volunteers London is nowhere near an end.

Together with the current director and guides at some of the open days, e.g. at head curator of the LTM, Oliver is co- Acton and Aldwych, authoring a book on the history of operation of the miniature railway at the London Transport for publication this former, Members also take part in visits Autumn in preparation for next year's and help out at the Museum, e.g. celebrations. The celebrations will start in cataloguing the collection of documents. 2013. January although the programme still awaits confirmation. Barry then gave a short over-view of the coming months.

London

Friends

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re-invigoration of East London from London Transport, for example old Docklands Light signs. These are first offered to the Friends. The Friends from the Friends act as coordinators and including the

> full We aim to hold some joint events between the FLTM and FNRM-SoE Group in the

SUMMER DAY OUTING

Transport

summer outing for Friends in the South. for travel on the RH&DR. A full day This year we propose to visit the Romney, rover costs £13 for senior/ group/ Hythe & Dymchurch Railway. The date is concessions. Those taking the bus from 29th September. This will be their Vintage Folkstone can get a £2 discount on the Gala Weekend with an intensive railway bus fare by asking for a combined return service, the museum and model railway bus and RH&DR rover ticket. operating at New Romney and a selection The aim is to meet at New Romney of trade stands.

Folkstone, then bus 101 or 102 from the RH&DR informed of numbers. bus station (about 5 minutes walk away)

Each alternate year we have a one-day to Hythe. Please purchase your own ticket

station at around 12:30 for lunch in the We are not making special arrangements cafeteria there. Although there is no need for the travel, since everyone has different to book anything in advance, Les Butler, requirements and concessions. For those who is coordinating this, would be coming from Central London, the best grateful if you would let him know if you route is via HS1 from St Pancras to intend to join the trip, so he can keep the

MEMORIES OF ALAN PEGLER



Alan as he would like to be remembered. on the running plate of the "Old Lady" at Kings Cross 14th January 1963. This was the locomotive's final run on the 1:15 pm to Leeds just after the announcement that Alan had bought it – hence the crowds on the platform. [Photo taken from the FNRM book on Flying Scotsman]. Alan subsequently organised to have locomotive overhauled at Doncaster and out-shopped in apple-green livery more like its original LNER form. Attached to a double tender, it was then used for some extended running on main-lines in UK, before moving to the USA to support a trade mission. It was here that Alan lost all of his money, resulting in him having to work his passage home.



Alan with our Chairman Ian Harrison. taken in front of J52 N° 1247. The engine had just been unveiled in its GNR livery at Locomotion, Shildon on 16th May 2009. This livery was the one preferred by our late vice-president, Captain Bill Smith RNVR, and the re-painting was sponsored by the South of England Group.

OUTREACH

The stand visited the East Bedfordshire gone forward. However our stand was Model Railway Exhibition on 11th February. It was coldest day of the year and the problems over *Flying Scotsman*, according to the Met Office, resulting in we had plenty of questions to answer. We lower attendances than previous years. were also grateful to Bachmann who Despite this we had a busy time.

Festival Modelling of Railway Alexandra Palace. This is always busy release. weekend and this year was no exception Out next events will be at the South West despite being the warmest March days on Hertfordshire Model Railway Exhibition record. Sunday was a little slow to get at Bushey on 12th May, and Trains at going, probably due to the clocks having Trinty, Biggleswade on 16th June.

packed most of the time. With Railfest loaned us the prototype of the next Our second event was the London planned NRM-exclusive OO model, of at *Butler Henderson*. Keep an eve out for its

THE WATERMAN RAILWAY HERITAGE TRUST

We were honoured to welcome Pete Waterman to the Group's meeting on 12th March. Pete kept the packed audience enthralled as he spoke for some 80 minutes without any visual aids.

Pete was born in 1947 during the deepest snowfalls in history - he was sure there was a Super-D passing by! He came from a working class background and had always had an interest in railways: while evervone at school was swatting, he was spotting numbers. Although he was a member of Coventry Cathedral choir, the new Cathedral hadn't been built at the time! But that got him into music and meant the school needed him for the despite his bunking-off train spotting. He was determined to join the railways after school, but he got there by a strange route - he was hauled before "the beak" for dealing in stolen goods. although he didn't know the railway shed and loco plates were stolen. He was sent, by way of probation, to Wolverhampton shed to make the tea for the lads. It must have been good tea because they offered him a job at the end. Soon after this, his music career took off. What little time he had available he spent in making 7mm model locomotives. BR got to know of his interest and regularly used to approach him to ask if he wanted to buy a redundant diesel. They would then overhaul and send it wherever he wanted. That's how he came by his collection of diesel locos. When BR asked whether he would buy an electric loco. approached the NRM to see if they wanted one of each of the first five electrics, classes 81-85. While groundbreaking in UK terms, they were crude by modern standards. The NRM were not interested, so he bought them for storage at Crewe.

One day he had a bit of spare time during a stop-over at Bristol, so he went to

Minehead, a location he knew well from his boyhood holidays, and came across the West Somerset Railway running steam engines. He thought he ought to have one to add to his collection of diesel and electrics. The trigger came when the Orient Express approached him to see if they could buy one of his Class 55s. He agreed, on condition they bought him a steam loco in return. The result was that he became the owner of GWR Nº 5224. By then he had his railway maintenance company, which could handle all the moving parts; but the problem was the boiler. Boiler skills were in short supply. and getting scarcer by the year. His view is that locomotive repair must be considered as a sustainable business, not as a hobby. He realised that the solution was to start an apprenticeship, so he advertised for men over 55 who had worked on steam loco building and repair. He got 10 applicants and matched these with 10 young apprentices. Together they took the engine apart and immediately saw the corrosion in the boiler. His senior boilermaker initially said they would patch it up, as BR used to. However, Pete asked what the GWR would have done had they come across such a problem in 1939. The answer was that they would have supplied a new boiler. To an accountant this was just overkill, but to Pete, as the "responsible person" in the business, this was the proper way to ensure that the engine would be safe. especially as tests and regulations are becoming much stricter.

Now he has over 30 apprentices on his books. All are taking NVQs as part of their training. There is a steady flow of work through the workshops, so much so, that they don't have enough apprentices. He is keen to point out that his apprenticeships are real ones, not the 6-week work experience "apprentices"

which the government was pushing at one time. The government has now swung to the opposite extreme and insisted that noone can get on their apprenticeship programmes without GCSEs. believes that good quality apprenticeships should be open to anyone who is serious about learning and can stick the course. As an example he described how he was challenged, about 3 years ago, to start a scheme for the long-term unemployed under 25s, which he did. As part of this, he was asked if he would take a young woman who was about to go to prison unless she found herself a placement. She said she was interested in becoming an engineer, so he got her to promise that she would stick with the apprenticeship. and not miss more than two consecutive days at college. She is now in her third year, and Pete is proud of her. She is passionate about engineering, Although normally taciturn, she opened up and wouldn't stop speaking during a recent visit by Prince Charles. The same enthusiasm permeates all his people. During a recent cold-snap, they only had a few minutes lost time, even though they are working in the open or in unheated premises.

The costs of running steam locomotives and repairing them are astronomical and even the wealthiest individual will find it impossible to run as a hobby. As an example, he pointed to the BR Standards. Britannia recently required a new upper firebox. The special arsenitic copper is only available from Taiwan and only one mill in Europe can roll the supplied ingots. Those ingots alone cost £200k. The rest of the boiler is made up of patches on patches and also needed replacing. He pointed out that most of the BR Standards which come through his works are in the same state. BR made them for an anticipated lifetime of about 20 years, and here we are some 60 years | Super-D.

later still trying to run them. In the works at present are four BR Standards all having brand new boilers fitted.

Making a taper-boiler is not easy, especially as these days the specialist presses are not available. Much has to be made by hand using hammers and blow-torches. To make a back-plate will cost about £18k to £20k and to restore the complete engine somewhere between £750k and £1.5M. It is not surprising, with these costs and in tight economic times, that there is an ever increasing line of engines awaiting heavy repair on the preserved lines.

Building new locomotives is not necessarily the answer. Tornado. for example. cost £4M: monev reduced the amounts available for restoration of other engines. In addition the new boiler in Tornado has had its problems, so the question of better boiler sources still remains.

In questions, Pete covered the access of steam locomotives to the national railway network. He believes this will gradually concentrate on a few secondary lines due to capacity constraints on the main lines. There were questions about locomotive repair; Pete pointing to the difficulties of sourcing forgings in the UK, and of the question of whether to replace original, and so potentially historic, components. The answer was if it is to run it must be safe, so replacement is usually the better option. His main theme though, remained that locomotive repair must be run as a sustainable business. He finished on the essential component – people. He paid tribute to those who knew about, and ran, BR in the steam days, such as an 80 year old fireman who visited Flvina Scotsman's footplate, and the last Crewe Premium Apprentice who sadly died at the very moment the regulator was reopened for the first time on the restored

FOR CURRENT LIST OF FORTHCOMING LECTURES See the Diary section of the web page at: http://www.nrmfriends-south.org.uk/Diary.html

FOR CONTACTS IN FNRM SOUTH OF ENGLAND GROUP:

See Contacts at main index:

http://www.nrmfriends-south.org.uk/index.html