

***e*-BULLETIN**

Autumn 2021



Amazing Chairs....

By one of our members

Cover story

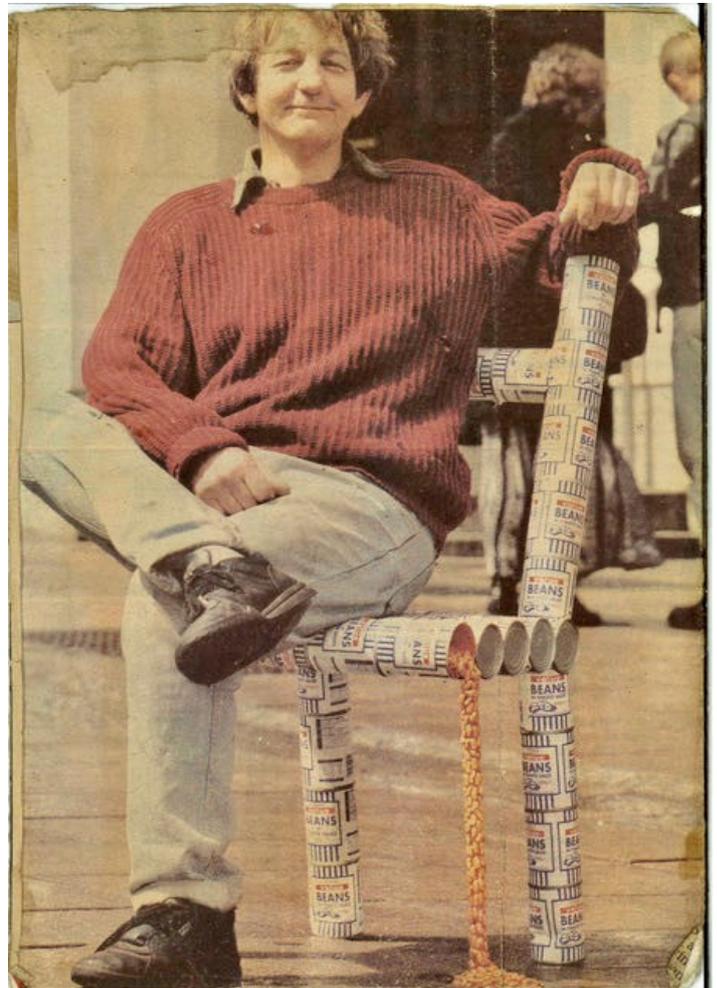
NDSME member Robert Bailey is nothing if not some sort of artistic genius crossed with a metalworker. In recent years he created a whole series of chairs of various themes, but all functional. Here, he takes up the story...

"My extensive workshop facilities coupled with my fertile imagination allows me to realise uncompromisingly the spatial thought patterns that inhabit my subconscious to produce extraordinary original works of art."

This is what I used as a postscript when I exhibited my chairs and other sculptures at exhibitions and sculpture trails ...notably at Burgh Apton but also further afield. I made quite a few chairs and these were always admired and sold. A ball of wool chair actually won first prize of £1000 at the Southwold 'Alternative deck chair competition.'" All these chairs were actually full size and were able to be sat on.*

I went to Art school in Norwich and did the foundation course but was told off for being random and not able to draw figuratively, so they would not let me on the degree course !!

The baked bean can chair was made when the Tesco bean war was going on and they were being sold at 2p a tin ... They are all silver soldered together and the leg was made with real beans glued to an armature. I had to buy more tins as some of the labels were damaged...



The tube chair (right) is made with welded tubes and when the wind blows they make different notes ... also the seat is flat but because they are painted different colours they look undulated ...this is because different colours either recede or stand out..

The chain chair (below) is an all welded fabrication with the seat part welded whilst resting on an actual Windsor chair to get a more undulating shape that is quite comfortable.



*Beginning in 1997 and repeated in 1999, 2002, 2005, 2008 and 2011, Burgh Apton hosted six sculpture trails with works from over 60 artists both local to Norfolk and from across the UK, displayed in private gardens and public places. The trails were organised by Bergh Apton Community Arts Trust and became significant South Norfolk tourist attractions. In the years 2005, 2008 and 2011, they drew over 10,000 visitors over three weekends in late May/early June.

Here are some more of Roberts chairs...

A nautical chair



NAUTICAL CHAIR 18" x 16" x 32"

A Banjo chair

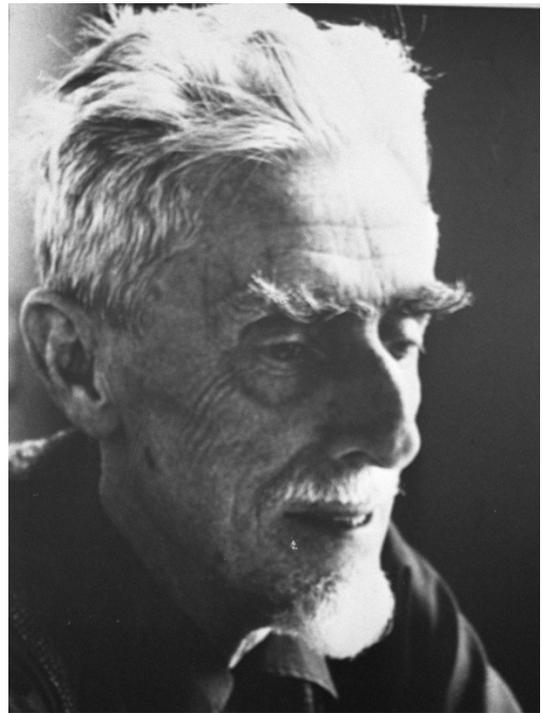


Banjo chair
16" x 16" x 32"

Lastly, the connection hinted at in the last edition between,



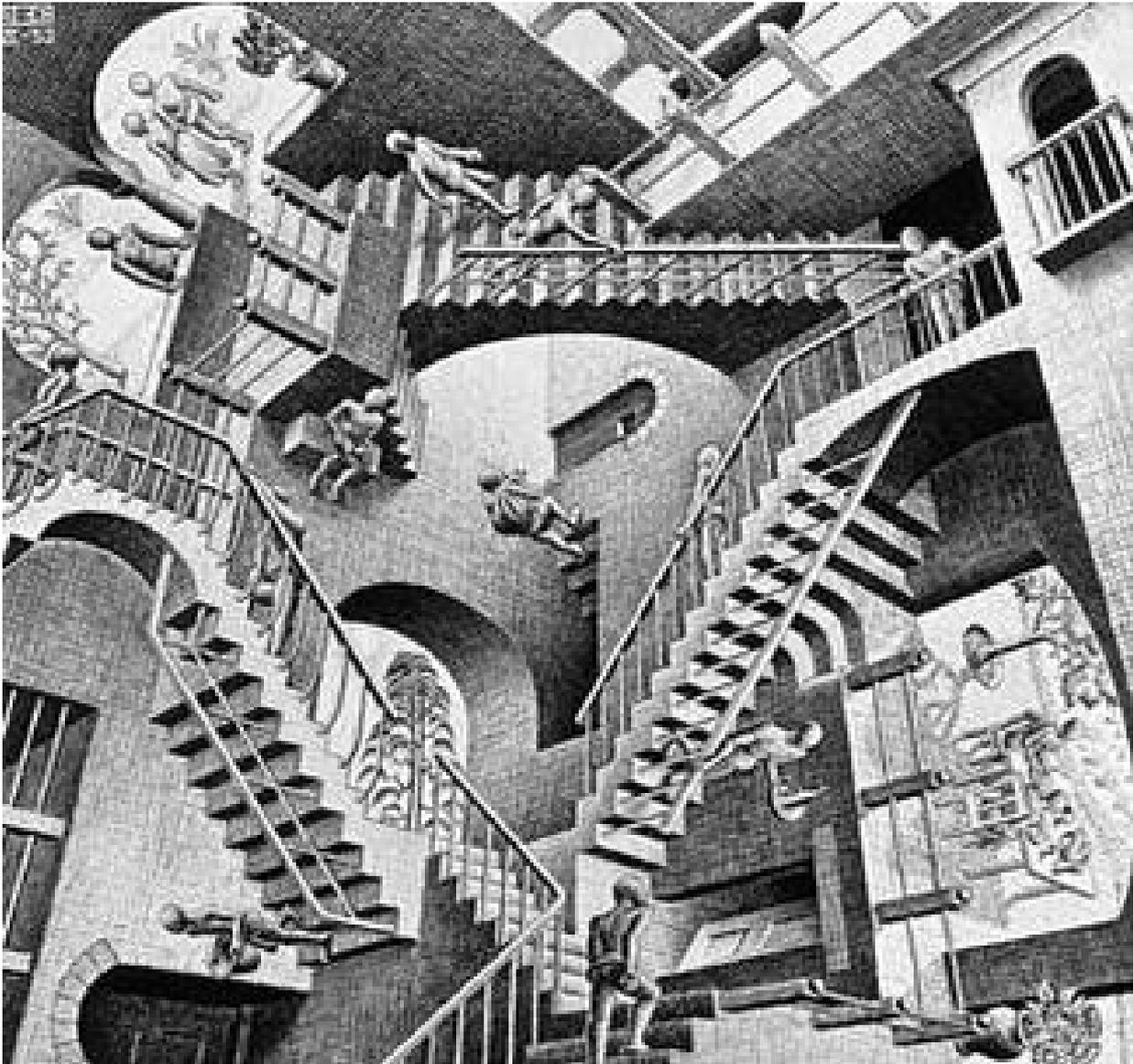
and



is this



Based on this...



Relativity, a 1953 lithograph print by MC Escher, whose image is shown above. It is one of his most famous works. **Maurits Cornelis Escher** (1898 – 1972) was a Dutch graphic artist who made mathematically inspired woodcuts, lithographs, and mezzotints. Despite wide popular interest, Escher was for long somewhat neglected in the art world, even in his native Netherlands. He was 70 before a retrospective exhibition was held. In the late C20th, he became more widely appreciated, and in the C21st he has been celebrated in exhibitions across the world.

Robert hopes, one day, to emulate him!

Engineering in Art

Bert Hardy, photo for *Picture Post*, 1954. A man working on a ship's crankshaft in an engineering workshop at Greenock where around ten marine engines were produced annually. The shipyards were the major employers in the area and, while demand was



high, the industry supported the local economy. In July 1954 the Clyde shipyards had about 2,000,000 gross tons of shipping under construction and factories were manufacturing enough engines to supply the local trade and export the surplus.

Original Published in *Picture Post* ed 7210, in 1954 - “*Glasgow Sets Out For The Clyde*”.

Albert William Thomas Hardy (1913–1995) was an English documentary and press photographer known for his work published in *Picture Post* magazine between 1941 and 1957.

Just imagine...we made stuff like this once!

From our roving reporter



Member Mike Fordham has relatives not far from the preserved railway station at Quanton Road and often visits. How convenient is that! At the Quanton Road site, the Vale of Aylesbury MES operates the Golding Spring Miniature Railway, some 1km long, featuring an automated un-gated level crossing

STORAGE OF PRIVATE ROLLING STOCK AT EATON PARK - GUIDELINES

- Limited storage of private owner stock may be offered subject to conditions
- At the discretion of the committee and subject to any availability of space.
- Subject to owner removing stock on demand
- Owner must arrange their own insurance
- Such stock should be available for public carrying during the season
- **Please note that there is no further space available for long-term storage**

Out and About at EP



Brian Catchpole's fine Burrell engine had its boiler test recently. Ready for another season on the road!

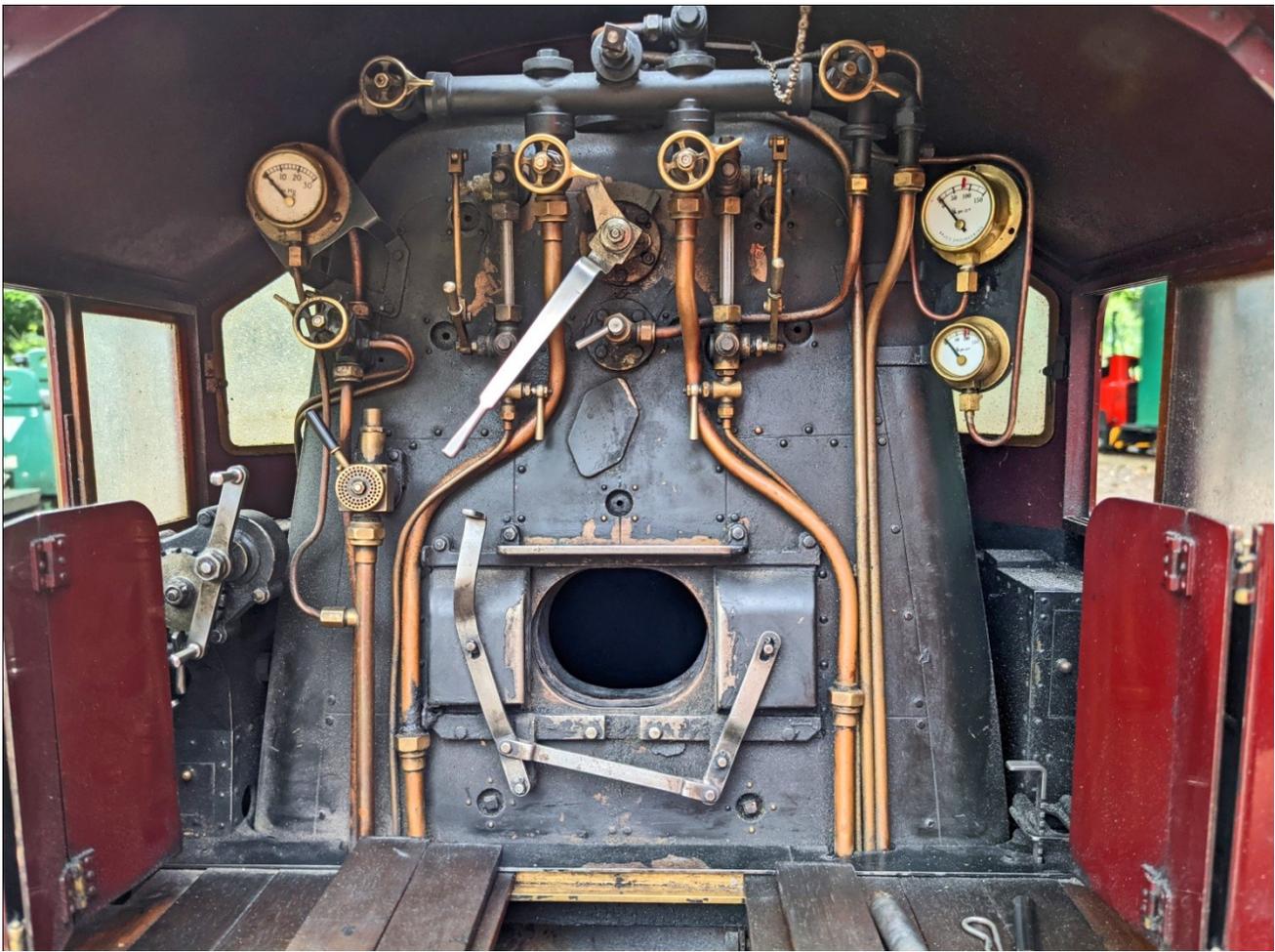




Brian Jacobs, Paul Reed and Kevin Wade show off boilers they have been working on recently. Roger Montgomery looks on



A recent visitor was this fine *Duchess of Sutherland*...



Close up photograph of a realistic interior can almost make you think it's a full size cab.



Enjoying a new lease of life is *Nelson*, now a *Sunday* regular...



...alongside the Cl.42 which now has new 160 Ah batteries! Shown here on a three car train.



Philip Moore and Paul Reed survey a length of freshly ballasted track, completed with help from Brian Sayer and James Horrex

From the Archive



Back to 20056 and an early train featuring on of the very early guards trucks opposite the original IN gate which has long since been relocated. The gate visible extreme left behind the barrier, is the current IN gate.

Storage Space at EP

The Society is currently reviewing the use of the underfloor storage by members for their private rolling stock. We are not, for the time being anyway, accepting any more items for storage. Chris Eve has offered to assess the situation and to report back to the committee shortly.

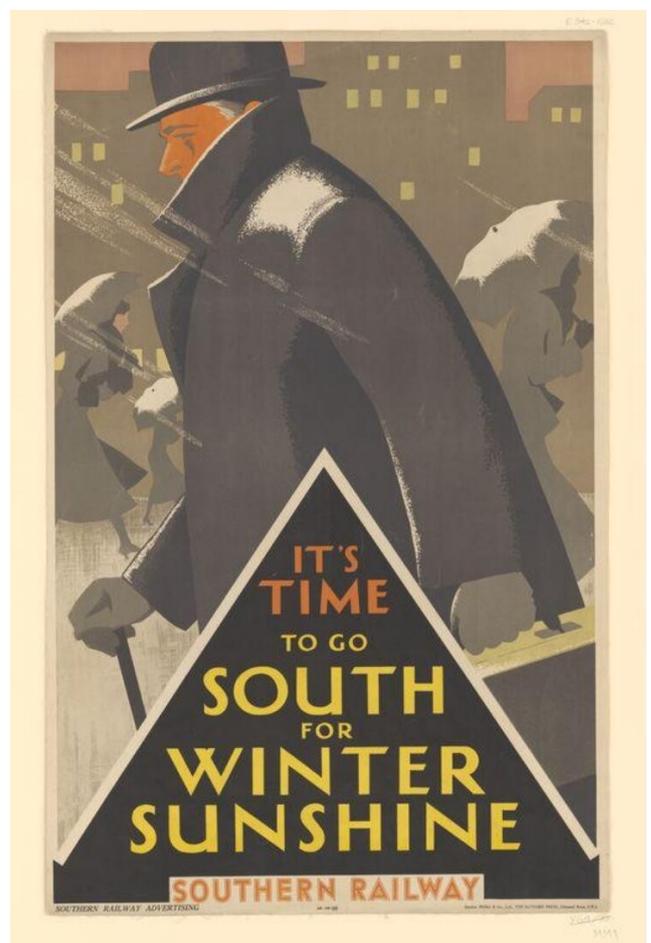
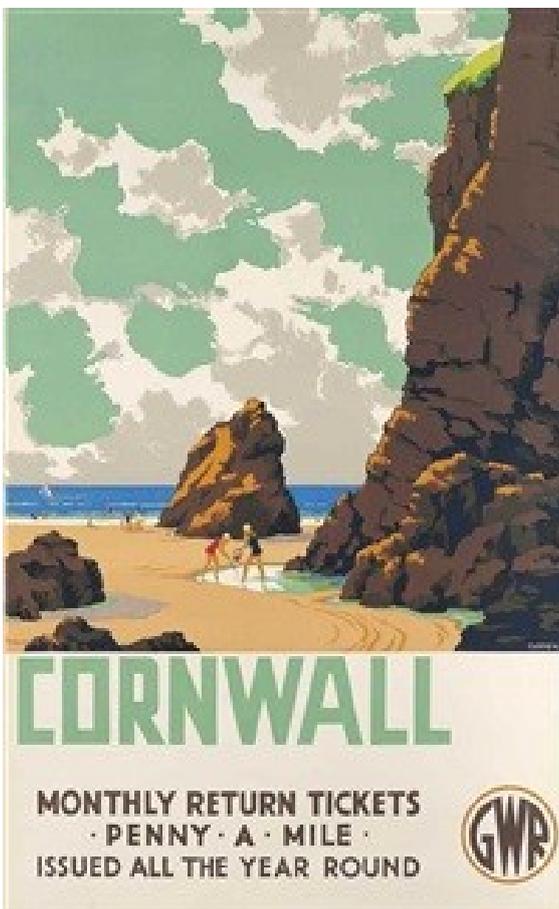
We will almost certainly have to create extra space sometime in the future, possibly by making separate accommodation for the raised track stock currently in tracks 1 and 2.

You Need Two Eyes. RoSPA
1950s

Two stylised faces, a sad face blue with an eye patch behind a happy face in red wearing protective goggles, By Len Cusden. 1896-1970

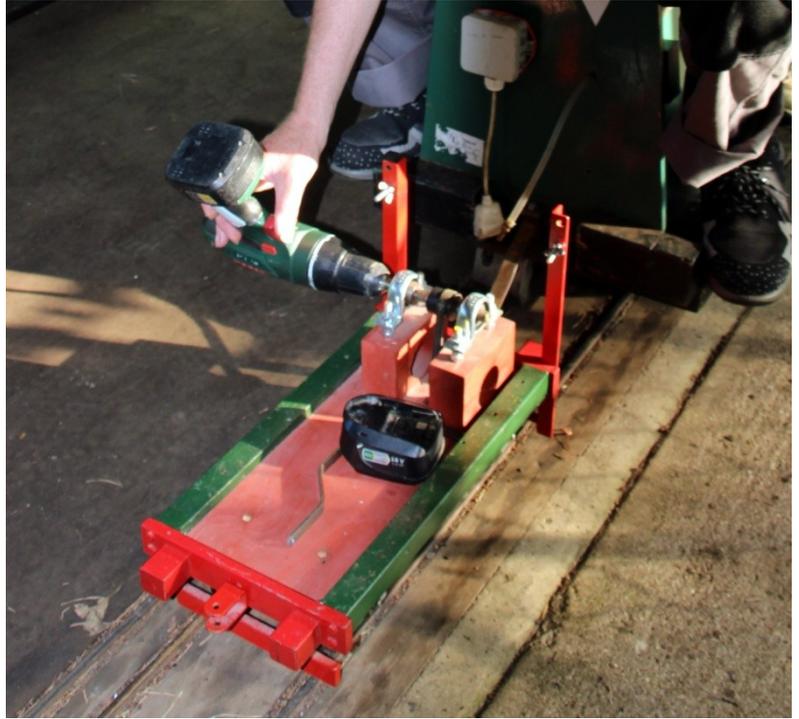
RoSPA chose many of the best poster artists for its safety campaigns. Leonard Cusden was one such artist working in the 1940s and 1950s. He produced hundreds of posters for The Royal Society for The Prevention of Accidents.

Cusden also produced work for railway companies, below



2021 ndsme Summer BBQ

On the 11th August ndsme held its summer BBQ at Eaton Park. This was the first members meeting since the pandemic struck the UK in early 2020. Unsurprisingly, it was very well attended. At least 53 people were counted, including invited guests, these being the Gower family, Janet Steel and Mrs Peterson. There was also a member of a club at Reading who brought along a rather unusual locomotive powered by cordless drills. This made several laps of the full circuit.



A non-alcoholic “bar” was run by Philip and Maureen and a very jovial “*mine host*” he was too and it wasn’t long before stocks of drinks were exhausted, leaving us with ideas for next year.



The BBQ opened up at 7pm and pretty soon a queue formed, Early customers included Robert Bailey and Chris Shingles, who have both spotted the camera wielded by Mike Fordham.



The BBQ was propane fired so members were able to “*taste the meat, not the heat*”, as Hank Hill would point out. Besides burgers there were also chicken pieces and wieners. They were soon all gone but luckily there was just enough for everyone to have a plateful.

The highlight of the evening was the unveiling of the commemorative plaque, dedicated to Neville Gower. This was cast in the form of an M&GN bridge plate and drilled and painted by Philip Moore. At around 1930 all the BBQ participants assembled at the tunnel exit for a short



dignified ceremony. A few words were said by Barry Fane and also by Neville’s family members. Mrs Ann Gower then unveiled the plaque to a ripple of warm applause from the assembled members.

Following the unveiling, flowers were presented to Mrs Gower and also to invited guests Janet Steel and to Jo Drake (on behalf of her mother, the widow of John Peterson). So, a dignified commemoration then of a member who was responsible for much of the site in the park, most latterly, of course, the tunnel. One is reminded of the epitaph on Christopher Wren's memorial in St Pauls.



SI MONUMENTUM REQUIRIS CIRCUMSPICE – *If you seek his monument look around you*



Lastly, a few other pics from the BBQ



Extreme left – Jo Drake. Centre – Janet Steel next to Ann Gower with Gower family members to her left

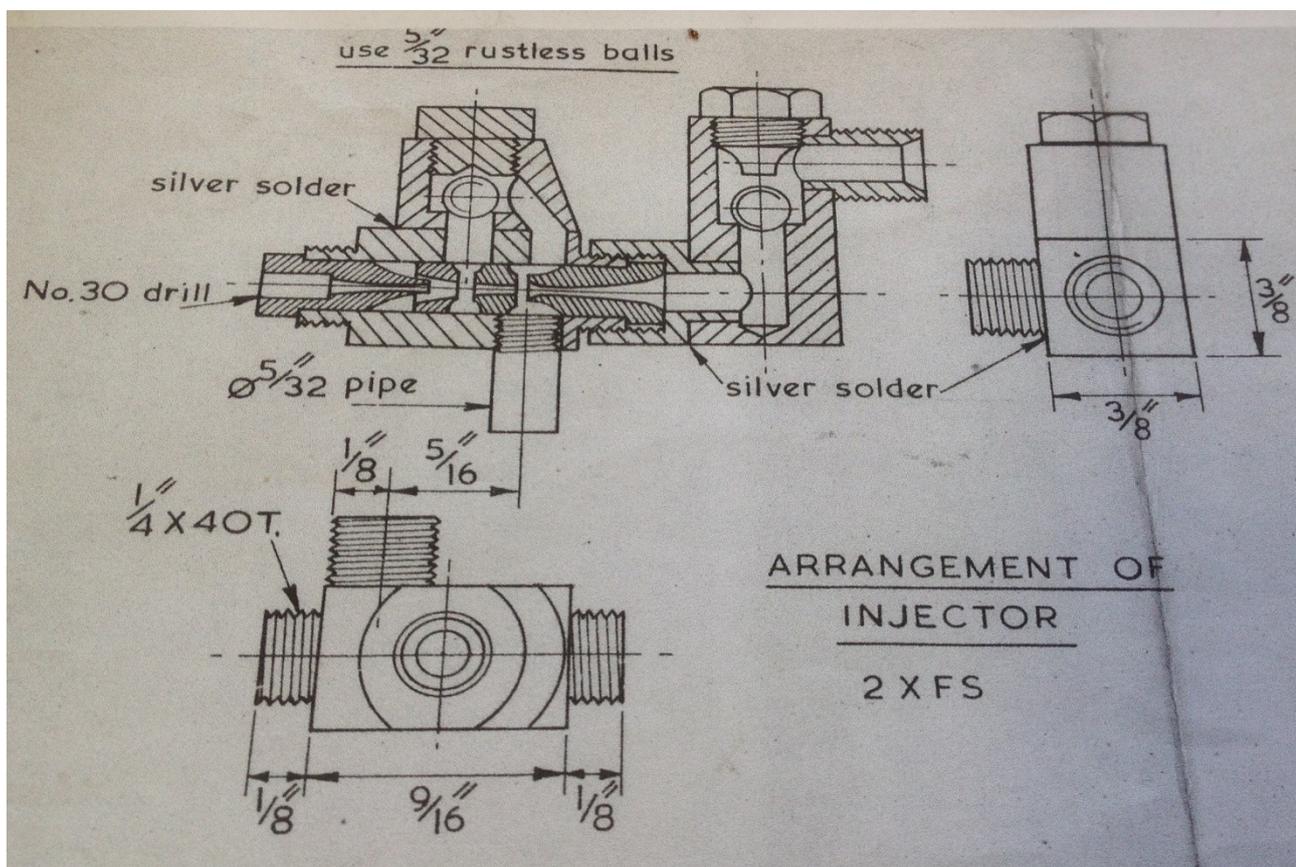




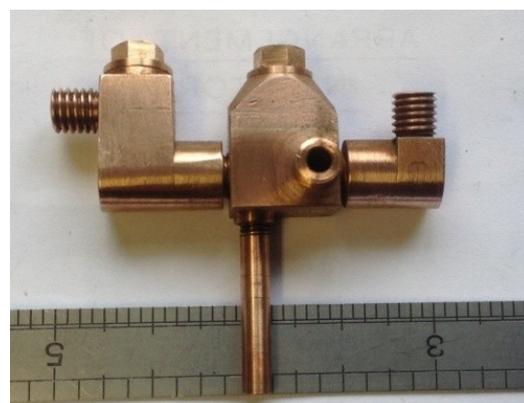
If any members have any comments on the 2021 BBQ please do let us know so we may consider them when planning for 2022. You can make contact via ndsmecommunications@gmail.com and they will be passed on.

Steam injector for 1½" Allchin traction engine

By Brian Jacobs



Made from bronze the main body and valve box was a straightforward job, the $\frac{5}{32}$ " bore a bit fiddly but not too bad. The cone reamers I made from HSS tool steel ground on my 1940s cutter grinder. They worked very well. Drilling the .5 and .7 mm holes in the cones went well with no broken drills. I turned the radius on the cones with a sharp tool to avoid deforming the .7 mm hole, with a radius turning attachment.



I turned, drilled and reamed the combining cones as one leaving the outside diameter oversize then turned a mandrel to fit the taper of the cones, pushing on the cones with a drop of *Loctite*.

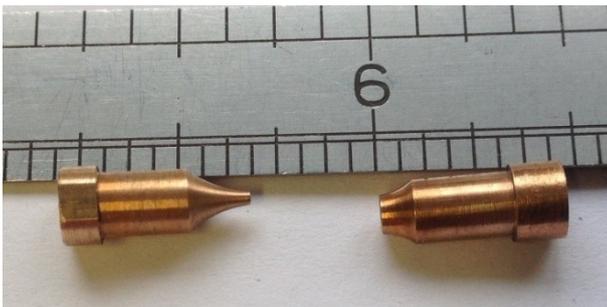


Left – cone reamers

I turned the outside to size, parted the cone in two with a .3mm wide parting tool, very carefully opening the cut to a .8mm wide gap between the cones thus ensuring concentricity. After assembly I made a test rig from an old 600g throwaway CO2 welding

bottle piped up

with automotive brake pipe, On the safety side the bottle when new was filled to 600 psi and the pipe runs at plus 1000 psi so no safety worries. The heat supply came from an old



Primus stove . The injector worked to my surprise, but was not perfect. Dribbling from the overflow from 100psi in the boiler, the pressure dropped to about 50 psi in a few seconds as it filled the boiler with water. I made two more sets of cones but they worked no better to change to improve things.



I am not sure what

I am very happy with how the injectors work, but not sure why they work. I hope this article is of some interest to members.

Out and About

Ndsme members Messrs King, Fraser and Henderik recently visited the railway at Nottingham and took their engines for a spin. Pics follow...





Spotted on YouTube

Nightingale sings as RAF bombers Fly.

A historical item made possible by the recording technology of eighty years ago. Absolutely haunting!



https://www.youtube.com/watch?v=H_MHqW5KVds

Located deep in a Surrey wood at twilight, a dedicated BBC radio sound recordist, who was recording a broadcast of cello music by Beatrice Harrison, listened intently through his headphones. He suddenly realized that an ominous additional sound was superimposing the recording. The year was 1942 and the interloping audio was a formation of Bomber Command heavies over-flying the Surrey countryside and heading for the English Channel. The broadcast was stopped immediately, but the engineer thoughtfully kept the machine running, recording this momentous, fleeting and frail coincidence for posterity.



Famous cellist Beatrice Harrison had been recording duets with nightingales since the 1920s and this was to become a regular live broadcast feature. It all started one evening in 1923 whilst playing her cello in her Oxted garden, she was joined by a nightingale and was so enchanted by the sound that she persuaded Lord Reith, the director of the BBC at the time, to broadcast the cello-nightingale duet on live radio. Accordingly on May 19, 1924 the first ever live outdoor broadcast was arranged. Reith had balked at the idea, complaining that the birds would be prima donnas—costly and unpredictable—and second-hand nature was not what people needed to hear, but went ahead anyway. So the first live outdoor broadcasts involving nightingales took place and

were to become very special to the rapidly increasing radio audience. During World War Two these broadcasts united and enchanted a nation. The symbolism of hearing the sinister drone of warplanes was like an ominous, underlying minor key accompaniment to a sweet aria sung by one of nature's most enchanting and melodious songsters. So we have the recording today to remind us just how precious and fragile is the state of peace. We should take heed of this lesson from history of both the best and very worst of what humankind is capable of.

Raised track group

Just a reminder that the first Saturday of each month is allocated specifically to 5" and 3.5" locos on the raised track. Other days are also general members days for running locos on either of the two tracks unless otherwise required by the society. Please note that a minimum of two adults must be present. Subject to coronavirus rules!

News From the Clubhouse

This item will no longer appear as all members receive direct emails on this topic.

AGM 2021

Papers for the AGM will be going out shortly and should be received by late August. The meeting will be held at midday on Saturday 18th September. It will be outdoors and under cover. Attendees are asked to bring their own pen or pencil to complete the ballot papers. Seating will be limited to around 30 so you may also wish to bring a fold-up chair if you have one.

NDSME in the community

On Saturday 21st August the society used its railway to raise funds for the charity Ambitious About Autism. Autism, first described by Leo Kanner at Johns Hopkins Hospital in 1943, is a neurodevelopment disorder characterized by difficulties with social interaction and communication, and by restricted and repetitive behaviour. Now known as *autistic spectrum disorder*, it affects around 1% of the UK population to a greater or lesser degree, Some society members will have direct experience of this within their family. Autism is not an 'illness' and cannot be 'cured'. There are however many interventions that can be helpful for people with autism to enable learning and development. Ambitious About Autism is the national charity for children and young people with autism. it provides education and employment services, raises awareness and understanding and campaigns for change. Through Ambitious College, Tree House School and The Rise School, they offer specialist education and support. The charity has been adopted by Marsh Mclennan as their in-house charity for 202 and they have pledged to double any amount we raise from the special train day on the 21st.



NDSME directors (committee) and officers as at August 2021

Company Sec. J McDonell P Moore Estates officer

Treasurer C Eve Publicity M Rhodes

Other directors: , B Fane, P King (PW) R Hendrick, B. Fraser, R. Wells

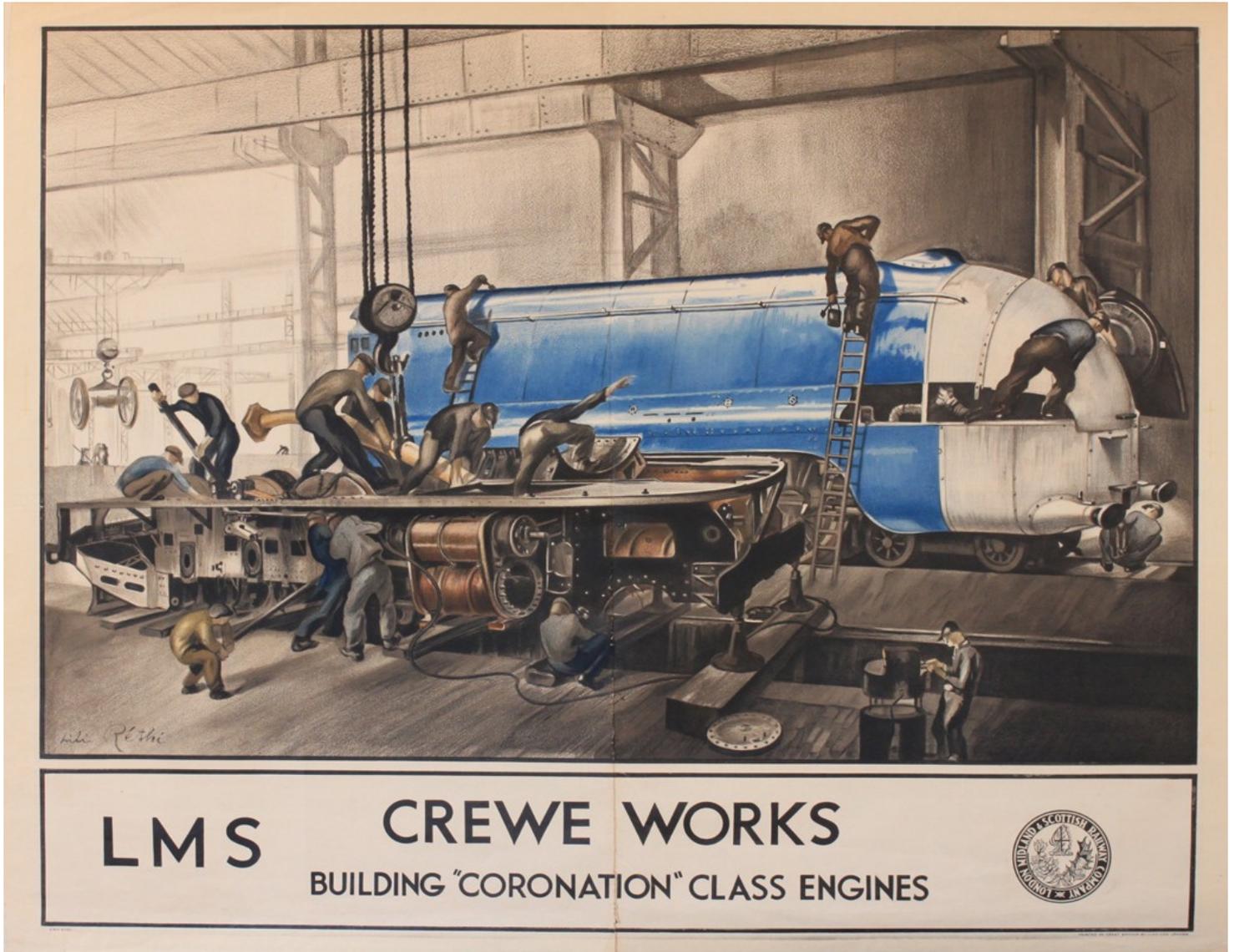
Other officers: R Montgomery (Rolling stock), H&S, tbc, Meetings organiser
M Fordham (*pro tem*) A3 Support Group J Horrex coordinator

Hard copy bulletin distribution: - P Moore

There are other roles that need filling. Contact the Company Secretary if you are interested. Email clubsecretary@ndsme.org



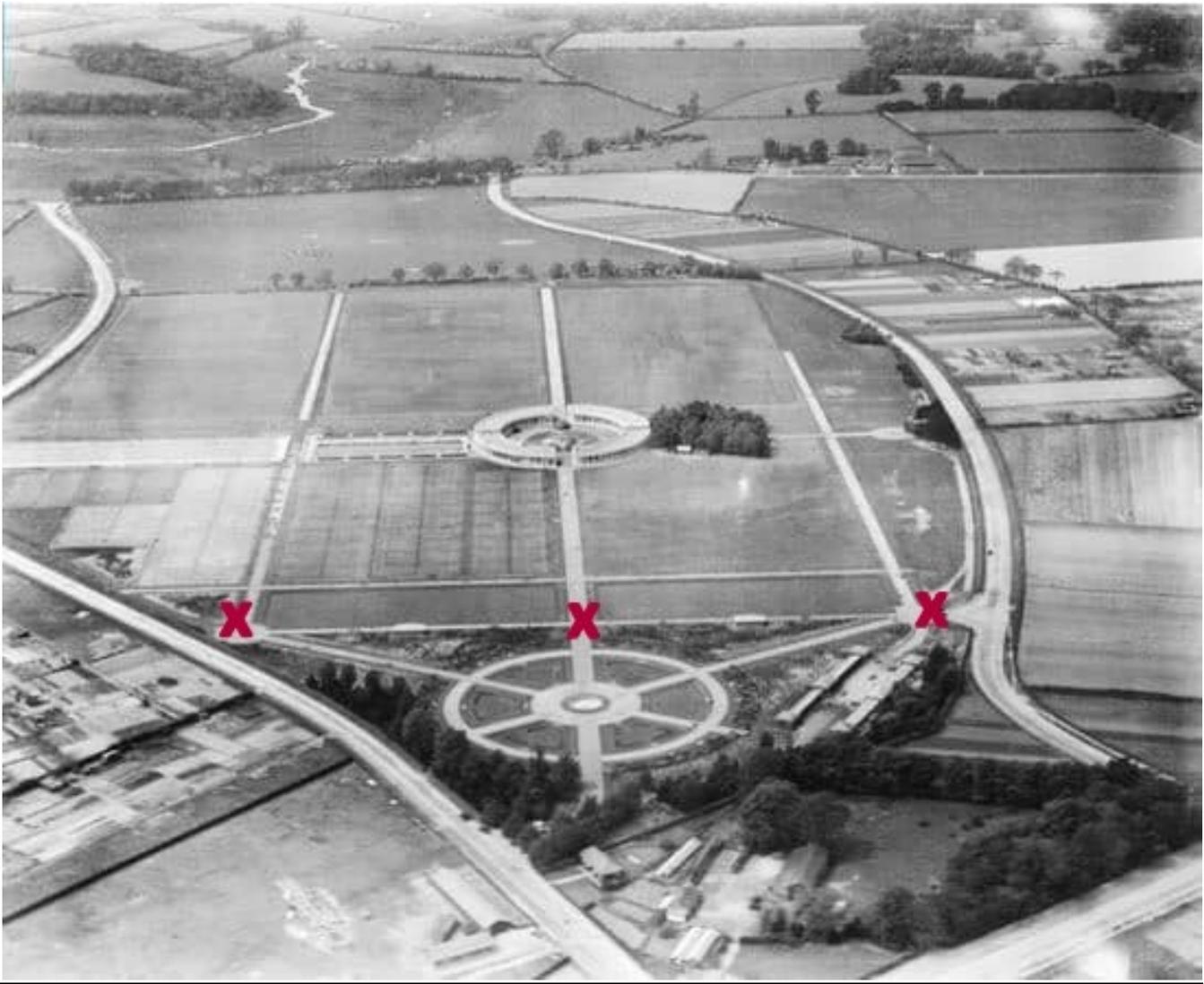
Engineering in Posters



Crewe Works - building Coronation Class Engines, 1937 by Lili Réthi, (1894 – 1969)

Réthi was an Austrian born artist and illustrator. In 1917 Réthi enrolled in the Art School for Women and Girls (Kunstschule für Frauen und Mädchen) in Vienna, Austria, where she studied under Otto Friedrich, a *Jugendstil* (German Art Nouveau movement) painter. She continued her training at the Graphischen Lehr- und Versuchsanstalt in Vienna. During her early career in Europe, Réthi drew a diverse group of building and construction projects, including shipyards in Hamburg, Germany and canals in Belgium. She left Germany to avoid a commission from Hermann Göring glorifying the Third Reich and eventually became an American citizen. Réthi illustrated over 50 books during her career and her works are included in major galleries and

TAILPIECE



A 1928 view of the newly opened Eaton Park. It was then right on the edge of the city, set in countryside. Clearly visible are the many grass tennis courts and the ornate rose gardens.. Grass tennis has now vanished from Norwich, the last courts being those at Heigham Park which closed in 2016. Also visible are the now demolished buildings for the park staff on what is now a car park. Surrounding the park are allotments and market gardens. In the distance is the River Yare Within a few decades this idyllic rural scene would vanish for ever as housing was built around three sides of the park and, in the 1960s, the UEA would arise in the distance.

The three red **Xs** show where German bombs exploded during the Norwich Blitz, most probably from the same plane flying roughly north-south over the park