Sent: 03 March 2024 14:05
To: Brian@mcr21.org.uk
Subject: MCR21 Engineering News template 2025
Attachments: z twin page list 2025 3A.pdf; work to be done 2025 -v15.pdf; BS20250524_0001.jpg

MCR21 Engineering News June 2025

Dear Supporter

- Welcome to the June issue. We have been busy in this first half of the year and have completed our first major display "TV-on-Wheels" at the Beaulieu National Motor Museum. A most successful weekend. A video of the proceedings can be viewed here on YouTube. *This has been supported by the National Heritage Lottery fund*.
- We have more TV-on-Wheels displays planned for later in the year:-.
- 9th August Camberley Car Show Link
- 25th August Bucks Railway Centre Auto fest…. Link.
- 19th October Brooklands Museum Link

More News:-

- **Engine**, work has been done on the fuel system, the original fuel lift pump is back in place and working, but more remains to be done on the pipework and fuel gauge.
- The tape recorder rack has been finished and is in place with the working Philips ¼" EL3503 deck. Also in the rack is the BBC line ident unit, both can be remotely controlled form the sound mixer.
- Len has been doing sterling work on the Ferguson SPGs, the 625 one is installed and working and the 405 line one is underway
- A Marconi Pulse and Bar generator, TF2905/8 has been installed in place of the BBC GE4/504 Gresham Lyons one which could not be found. If the BBC one ever turns up we will swap them over.
- There is still work to be done in "Zone 1" at the front but mostly it is done.
- When you look at MCR21 it looks good but there is a long list of outstanding items, both small and large, most are awkward! **List attached**. If you want to take on any of them as a project that would be wonderful? There is a lot to pick from.

Have you explored our YouTube channel?
Several **new recordings** have been made by Paul see our YouTube channel **Click!** A Photo review of our exhibitions **Click!**

Difficult items to be found:-



Fixed Female 17 way EA connector
This was the forerunner of the GB62 Multi Mic connector, 3 are needed!
Used by BBC in the 1950-60s



Matching free plugs needed.
We don't have an picture so this is a free socket. They are similar to the Cannon EP series but use a threaded locking ring. Must be some somewhere??
17 way needed, but any number of pins would help as the shells are interchangeable..



This is the impossibel to find cupboard door catch!
Really need to find one so they all match
Could one be 3D printed??



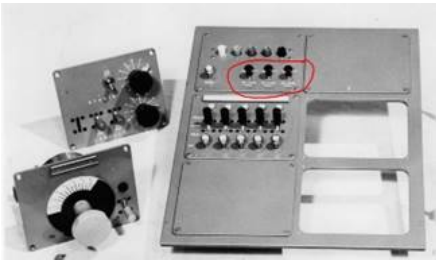
This is a PL259 "T" (F&E)
It has the pin at one end rather than the middle!
4 are needed.



This is an anti-condensation heater.
They were fitted in the floor of the monitor stack.
Ekco Thermotube 12" long, need original vintage ones with feet. Modern ones unsuitable!



A new project we have acquired, a BBC type B sound desk. This has been heavily got at in its previous life and is completely empty. The plan is to restore it cosmetically and perhaps make a few lights work. It could form part of a future studio control room display



Looking for some bits for this mixer.
In red several "Pull" to operate switches GPO pattern from the 1950s . See attached book page.
Also need a red and blue fader knobs



The twin record-replay amplifiers have been brought back to working order apart from the VU meters.
Both are open circuit at the moving coil area.



I am reluctant to change them for a modern VU, keen to preserve originality. Also looking for the correct "Philips" Knobs



These meters are continental in origin and quite unlike meters made in the UK. Scope for repair difficult

The Plan! The Future Volunteers needed.

- Our regular "work days" are Tues, Weds & Fri afternoons from 10.30 AM. Much soldering to be done.
- We need to further expand our web presence, more into social media, Linked-in, a wiki page(s), Giving pages, website expansion. If you have skills in these areas, please volunteer to help. You don't need to be local for this, please contact to discuss
- One area we would like to expand into is the Library! We, I, have a very large number of TV related manuals, photographs and BBC technical documentation. This should be made available to wider research bodies. I have in mind something a bit like BBC written archives were you can book an appointment and VIEW the chosen documents. A start for this would be to create a proper searchable catalogue web listing. I would point out even at this early stage loaning books out is utterly forbidden.

A home for MCR21 & the BTTT

- There is a definite need to set up a **better base for MCR21** and the broader broadcasting equipment exhibits. To this end a suitable building is sought or we could partner with an existing organisation. Very difficult in this area but if we all look round something may be found.
- A few key points; Affordable or peppercorn, Secure, big door, not too far away, power, feasible from the planning point of view, reasonable access/parking. This could be a temporary home pending something better. A place where we could do "workshops & open days

Fundraising

As ever there is a need to raise funds! The ongoing costs (storage, further restoration, transport, insurance etc.) still have to be met every year, so we would welcome donations to help this ongoing work.

We are pleased to receive donations both as cash or equipment to sell for funds.
If you would like to support us, an ideal way is to set up a modest standing order direct into our bank account
Name BTTT, A/C 97548413 Sort 60-04-20
Or you can use our PayPal donate button
Thank you for your support

HERITAGE FUND

The Trustees:-

Please pass this newsletter on to others who might be interested.

Brian Summers	**Brian@mcr21.org.uk**	**John Trenouth**
Nick Gilbey	**Nick@mcr21.org.uk**	**Paul Read**
Jeremy Owen		**Andy Peakin**

Our Websites:- **www.mcr21.org.uk** **www.bttt.org.uk**

www.tvcameramuseum.org **www.tvobhistory.co.uk** **YouTube MCR21** **www.facebook.com/groups/mcr21**

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Broadcast Television Technology Trust

Best Regards

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