

ne day last autumn one of the volunteers at Avoncroft brought round to the team at the National Telephone Kiosk Collection a number photographs another volunteer had brought on 2017 that had belonged to her late father. Having looked through the photographs I could see Ac there was a story here that would be of interest on 20to-oursreaders. It asked her if we could 5:12 us time include the photographs in one of our AccNewsletter and she agreed offering to put 3.235 on 20together 50me information about her father. The article below is Heather's own work and I Acchave included photographs of some of the 3.235 on 2024 of the article of documents she lent to us. After the article have added some of the photographs we first assaw with comments from on what I believe to be where they were made for and when.

on 2024-04-25 21:55:12 UK time

on 20 I would like to thank Heather for the article and the supporting documents and associated pho-Acctographs. We both hope you enjoy them all 235 \$\circ\$ on 2024-04-25 21:55:12 UK time on 2024-04-25 24:55:12 UK time

A Cabinet Maker's history for the GPO

on 2024-04-25 21:55:12 UK time Accessed by 18.119.213.235 Accessed by 18.119.213.235 Accessed by on 2024-04@6 21:55:12 Accessed by 18.119 Accessed by 18. on 2024-04-25 21:55:12

Accessed by 18.119.293.235 on 20 John Alfred Tilebuck

on 2024-04-25 21:55:12 UK time

The old photographs of telephone kiosks were given to the National Telephone

on 2024-04-25 21:55:12 UK time

Kiosk Collection at Avoncroft Museum by me, Heather Costello, a gardening volunteer, because I wondered if they might be of some historic interest. They belonged to my late father, John A. Tirebuck who worked at the GPO Factory, Fordrough Lane, Birmingham and were part of his personal belongings along with his certificates of his cabinet making 04-25 21:55:12 U qualifications and skills. My father was born on 17th December 1930 in Birmingham, After 213,235 leaving Senior Boys school in Cockshut Hillin 12 February 1945 with a School Certificate stating he was "very honest, steady, keen worker who 213 has proved himself to be very reliable" (where he met my mother, Joan Baker), he began work at Fordrough Lane at the age of 14 on the Machine Shop in the Tool Room because at the time there were no vacancies for training to become a Cabinet Maker. He spent the next 15 months there, after which he was given the opportunity join the cabinet shop floor at the 213,235 age of 2151/2 where he began his scholarship as 12 UK time a Cabinet Maker. It was here he worked 'on the bench and learned numerous skills behind the construction of the original telephone kiosks, telephone switchboards, repairs, varieties of woods, tools and jigs. As an infant I witnessed my father carving labour intensive tongue and groove joints, applying French polish, putty glass windows and viewing a host of cabinet maker's tools too numerous to mention. A fraction of the selection of the type of tools he used can be seen in the display cabinet in the 12 UK time Introductory Exhibition building at Avoncroft. Dad's first piece of crafted work towards his 19.213 Diploma was a solid English oak Dressing Table with two bedside tables made for his parents in 1948 at the age of 18 as part of a bedroom 9.2 suite and remained his pride and joy.



His hard work and high standard of

Accraftmanship paid off as he was awarded the following qualifications: -

on 20**0.N**4**Co52** Mechanical 1961 2024-04-25 21:55:12 Use time City & Guilds Final in Cabinet Making 2nd Class

He married my mother on 3rd April 1954 and Accontinued with his scholarship at night schools in Garrett's Green, Birmingham. During his time working at the GPO dad was promoted to Assistant Foreman and finally Foreman where he left the shop floor and worked in the offices buying timber, planning and overseeing work on 20produced on the shop floor and visiting 12 UK ime Sherlock Street and Garrison Lane, both Post AccOffice Factories. My recollection of one of dad's on 20early cars also liny of ved the G.P.O. as it was larine old Morris van before it had been painted! (the Acsame as thee green Morris van on/display at 235 Avoncroft). Dad took great pride in his car and had it converted to accommodate two seats in $^{
m Ac}$ the back so that m T could join them on trips out.

His next car was a new Morris Traveller with

wooden trim, which he lovingly maintained with varnish, polish and various wooden additions inside. He enjoyed working with the men on the shop floor who he had trained with and remained friends with many of them, 2 UK time either attending the Post Office Flower Shows, fishing with them ever Sunday at various venues in the West Midlands as a hobby with 12 UK time in the G.P.O. He enjoyed G.P.O. functions at Sedgemere Road and for a few years he also 213 235 rented an allotment at G.P.O. on 2024-04-25 2005:12 UK times

Bordesley Green G.P.O. Allotments, where he 9 213.235 enjoyed more 'fruits 'of his labours. He took early retirement in 1982 to move away from the 'office' but returned to happier days work- the time ing with timber at Moffatt and Wittal's until he finally retired at 60. Sadly, Dad lost his battle for life on 11th April 2013 with Pulmonary Lung UK time Fibrosis, a disease unfortunately related to his long hours working in wood dust and fought 19 213 235 with every last breath he took.



John with colleagues from Fordrough Lane

Accessed by 18.119.213.235
Heather Costello (nee Tirebuck)

A very proud daughter Of the time John seems to have been a typical G.P.O. member of staff. 2 UK time Professional, skilled craftsman totally involved in the G.P.O. family.

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on 2024-04-25 21:55:12 UK time of 2024-04-25 21:55:12 UK time Editor Some of the pictures that Heather gave us at Avoncroft are shown below. The writing 213.235 by them is copied from the back of the photo-12 UK time graphs. There is a total of 14 available in pdf file if you want one message n Accessed by 18.119.213.235

ewsletter@comms.org.uk

Accessed by 18.119.213.235 on 2024-04-25 21:55:12 UK time

Accessed by 18.119.213.235 n 2024-04-25 21:55:12 UK time

Pair of Switchboards in English Oak for Private
Firm, Light colour sprayed very effective, 18.119, 293.



on 2024-04-25 21:55:12 UK time

on 2024-02-25 21:55:12 UK tim

Monument Place Liverpool, 2 Singles in Teak veneered and flush doors "Argo-Boardplinths and kicking plates 22 Oct 1936.

rirector:Demo Unit Autumn:2018 update 12 UK time It's hard to believe that it's been twelve months since I provided an update on my 8.119.21 Director Demonstration unit. At the end of 55:1 2017 I had added and tested a second A Digit Selector and Director and completed the basic 2 switching equipment, complete with ringing current and tones. Towards the end of 2017 I was fortunate to acquire five type three uniselectors including the correct LR and K relays which would enable me to build five-line circuits. I was also fortunate to gain access to a very butchered and tatty UAX 13 A unit which yielded some angle iron, suitable to mount the uniselectors and relays on Space 4s at a 8:12 UK time premium on the rack, so I was forced to look at mounting the line circuits at the rear just 19.2 behind the First Code Selectors (C1st). The first job was to carefully remove all of the unwanted wiring off the uniselectors and relays, whilst retaining what could be reused.

Accessed by 18.119.213.235 on 20 Suite 2 of 12 swith screen Birmingham HPO Sept. 1935. Indian Laurel.



Suite of 3 Pinfold Street Birmingham Electro-AccCopper Grill Burma Mahogany 04-20.5135213.235



Accessed by 18.119.213.235 on 2024-04-25 21:55:12 UK time

I was then ready to mount the five uniselectors Acand line relays before the time consuming job of wiring them all up could begin. This took several weeks in between other commitments, and at this point decided to rig up a test circuit as once the frame was mounted on the rack it would be difficult to deal with any wiring issues on 20or-faults. The testurig comprised of a group time selector and telephone, so that I could test Acceach of the five circuits and ensure that the 235 on 20holding earth was returned to keep the K-relay operated. I also needed to ensure that the Acc**1300** ohm battery from the Karelay was there 35 on 20 which was used by the P wire of the final selector to confirm whether the called number Accis free. After a few minor snags I was in a position to mount the line circuits in the back of the rack and wire and lace everything up on 20 before final testing could be carried out 12 IUK time have also made the provision for metering and Accalso a third C1st Selector in the future Durings on 2020174 had kept allook out for some 711 wall me phones, and thanks to one of the THG Acc**members II was able to purchase a verymice**235 example, followed by a second one off a certain internet auction site. I have wired these up and have made up some suitable labels of MUSeum 4444 and 7010, which utilise two different Second Numerical Selectors (N2nd) and Final Selectors. With the completed line circuits and telephones, I was able to dial MUS (687) 4444 and see the Director provide on 20the translation, which was a single digit retuk time quired to step the C1st and repeat the MCD & Acollodigits. I did have a few snags to sort out, as 35 on 20 ringing current was not being provided from in the final selectors, but was proved back to a Acostightly lose screw on the ring return battery 235 fuse. The second main task completed for 2018 was the forced release for the C1st's, A Digit Selectors and Directors. Each of these pieces of equipment require a 30 second S & Z pulse to release the A Digit Selector and Director if on 20the calling sub either doesn't dial any numbers after picking up the handset or part dials the Accommber The reason for the forced release is 35 on 20to-stop Directors being held-up-unnecessarily ine and leaves the calling sub with NU tone. I had Accalready checked that the wiring was correct by first dabbing the S lead onto an earth followed by the Z lead. I had intended to use my clock to provide the 30 second pulses, but managed to pick up an S & Z pulse generator off eBay.

The generator comprised of a number of 3000 type relays, a carpenter relay and a thermionic valve. On inspection of the relay set I noticed that the 250 ohm spool resistor used to drop 50 volts to 6 volts required by the valve heater had cooked some of the wiring, which took an hour or so to replace. The generator is able to provide pulses from 2 1/2 seconds to 6 minutes although on initial testing it didn't do much at all. After some adjustment to the relays and a new valve I was able to get the correct pulses generated, although the 250 ohm resistor gets very warm after a few minutes. As a precaution I have wired the relay set to be operated by a key switch and lamp to show that it is switched on, which also adds something for the observer. One of the biggest problems that I have faced on the Director Demo Unit has been relay coils going dis and for some unt 55 known reason both B relays went dis in the A Digit Selectors within a week of one another. The fault placed on the exchange was very odd 2 U as it locked the C1st and A Digit Hunter (ADH) up. The Addigit Selectors are effectively a 100 outlet group selector but with five wire switching (+ve, -ve, P, PU & FR) instead of the usual three (+ve, -ve and P). The relays on seizure are A, CD and B which again differs slightly from other Strowger selectors. Fortunately, the B relay has a 1300 ohm coil which is one of the more common coils, of which I have a good selection of spares. I have taken the precaution of checking the spark quench circuits to ensure that there were no voltage surges. What doesn't help Strowger 119.2 equipment is where it's sat in a damp shed or garage for years and then get 50 volts applied to it. Thave found that once a selector has 8.119.2 been working for a while the problem reduces. At the Milton Keynes Swap Meet I was able to pick up five really good 200 outlet group selectors and a 2000 type Director. The Director is in very good condition, with little wear, but was missing the wiper assembly for the Units uniselector which has an unusual five banks comprising of two bridging and three non-bridging wipers. Fortunately, another very helpful THG 12 member was able to provide the correct assembly. The remaining bits were sourced from a job lot of uniselector spares that I picked up from Avon Croft a couple of years back. A quick check round, clean of relay contacts and some oil enabled me to test it out, which was

probably the first time in some forty odd years Acit had seen any power on it. Apart from having to adjust the Units uniselector and an erratic release it worked well and would both store and send out the required digits. Once that garage has warmed up again next year, I shall give the Accuniselectors a clean and check the release on 20circuit, which passes through all six uniselectors and the associated BC switch. I have a Accoumbers of outstanding tasks to complete for

on 202019, which are the release and fuse afarms, 111 and over final selector and the 11th step on the Acoa Digit Selectors: A tandem unit is also planned which will enable me to link up to my non director demo unit and UAX13 A unit. During the summer I acquired a six second delay which uses a type four uniselectors, which I shall use for the Director Release circuit, and will provid-

on 20ed some more action



Directors



New Director Relay Set 35



Type:3=Subsy**Uni**119.213.235

Brenden Hill November 2018

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Acc**Spring/2014**0.213.235_c on 2020 ome quickly wheed you 24-04-25 21:55:12 UK time William Sturgeon 1783 – 1850

on 2024-04-25 21:55:12 UK time on 2024-04-25-21:5012 UK time Summer 2014 Private Enterprise to Government Monopoly (and back again) - The birth of the phone net-

Accessed by 18,119,213,238 on 20 Autumn 2014 UK time on 2024-04-25 21:55:12 UK time The TXE2 at Avoncroft Museum

Acc**Things to celebrate in 2015** cessed by 18.119.213.235 on 2024-04-25 25:55:12 UK time on 2<u>0</u>24-04-25 21:55:12 UK me

Winter 2014

work in the UK

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Spring 2015

Acorne TXE2 at Avoncroft Marconi – Inventor –Scientist – Technologist

Accessed by 18.119.213.23 Summer 2015 UK time 05;2024-04-25 21:55:12**U**K time The Director Accessed by 18.119.213.235

on 2024-04-25 21:55:12 UK me on 2024-04-25 21:55:12 UK time Autumn 2015

Acc**Ernest/Philip**/Elwins OSYNOPSIS OF PLEASE WIPE YOUR BOOTS 12 UK tipe

Acc**Winter 2015**.213.235 Single Cord Switchboard Skynet 2 – Bob Fastner

on 2024-04-25 21:55:12 UK time Spring 2016

Switchboard, Magneto, Wall Pattern, Single 20Cord, National Telephone, No.4.34-25 21:55:12 UK time

Acc**Summer**₈ **201.6**_{13.235} on 20Wester na Electric in umber 234704-2 magneto wall phone

Acc**HMTS/Monarch (3)** 2024-04-25 21:55:12 UK tim on 20 Vacuum Tube Repeaters Autumn 2016

First Mobile Telephone Exchange by 18.119 The Speaking Clock

on 2024-04-25 21:55:12 UK time

Director Demonstration unit by Brenden Hills: 12 UK

80 Year's Of 2999:55:12 UK time Insulators

Issue 16 04-25 21:55:12

Hull Telephones UAX coassed by 18.119.213.235 on 2024-04.25 21:55:12 UK time

Issue 17 Accessed by 18:119.213.235 on 2024-04-25 21:55:12 UK time Director Demonstration unit Last UAX 13s

Volt, Ohm and Ampere 110 years old in October 13 on 2024-04-25 21:55:12 UK time on 2024-04-25 21:55:12 UK time

Issue 18 Dos\and Don'ts.119.213.235 on 2024 04-25 21:55:12 UK time

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Reconstruction of a TXK1 Crossbar rack at Worksop IBTE Museum and subsequently at Milton Keynes Museum

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Issue 19 Dos and Don'ts 119,213,2

Reconstruction:of:a:TXK1mCrossbarrack:at:Work2 UK time sop IBTE Museum and subsequently at Milton Keynes:Museum Part 235 Accessed by 18.119.213.235

Issue 20

The UK Air Attack Warning Systemessed by 18.119.2 on 2024-04-25 21:55; 12° UK tim Middlewich

Issue 23sed by 18.119.213.235 John A Tirebuck

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