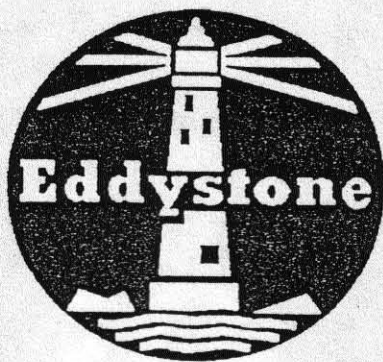


19

710/B

Eddystone User Group



Newsletter

Issue No: 19

Featured Model:

- The 710/B -

'All World Six'

- A Six Valve Superhet, for Six Volt Battery Operation

*A non profit newsletter for Eddystone Users

*Information quoted from Eddystone Literature by kind permission of
Chris Pettitt, G0EYO, Managing Director of Eddystone Radio Limited

*Please address all mail to:

W.E. Moore, Moore Cottage
112 Edgeside Lane, Waterfoot
ROSSENDALE, Lancs, BB4 9TR

FREE MEMBERS ADS, please ensure that you give all the relevant information, i.e. Sell or Wanted, Model, Condition, Collect or Deliver, Price, and Phone number or Address.

REMITTANCES by Money order or Cheque please, made out to E.U.G or Eddystone User Group. Cheques to be for Sterling and on a U.K Bank, otherwise the bank charges will be more than your remittance !

THE YEAR for your subs; begins with the May/June issue, there are Six per Year, if you join during the subscription year then you will automatically get all copies for that year, to date. Your subscription will end with the March/April issue.

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- From your Mail. -

- Thanks to Maurice Crosby of the Wirral for loan of a catalogue of Eddystone components and accessories from which it was possible to identify the items in last issue.

- Nice to find somebody older than I am ! Dennis Hayward writes that he has been an Eddystone fan(atic) since 1938, so he predates me by some 7 years.

- Ray Devereux seems to be getting his hands on a number of 680X sets since his arrival in New Zealand. Not to own but to service for others, pity about that Ray.

- Thanks to Peter Lepino for contact address for Marconi Archives. Letter has gone off re a list of 'badged' models. Will keep you posted if any reply is forthcoming. For those interested the address is,- Marconi Archives Dept; FAO Roy Rodwell, GEC/Marconi PLC, Publicity Unit, The Laurels, Victoria Rd, Chelmsford, Essex, CM1 1PQ.

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- Fourth Year for E.U.G - and members seem to think it is still worth the money ! Thanks for your faith in Kathy & myself, thanks to those of you who sent in the little extra with your subscriptions for 'incidentals'. The featured model is the 710/B - The All World 6 . Whilst it is a version of the 740 which was covered in Issue 3, the fact that several members have asked for it to be covered again as a separate model. As requested also by many members we have put in a list of recent prices fetched by various popular models. This is compiled from sets sold or bought by members as notified to E.U.G and from prices seen in ads from some dealers who trade regularly in Eddystones. It is not so easy to answer the commonly asked question 'how much is X model worth ? ' I will do it if asked but my quotes come from a file of sales and purchases known to me. The same file has been used to compile this list. A point brought up recently at a rally, by one member. Most analogue signal generators are only calibrated to within +/- 1 per cent. Now that is 300 Kc/s at 30 Mc/s, most are fairly stable over the short term and so the thing to do is to have a Crystal calibrator giving 1 Mc/s and 100 Kc/s pips, this can be used to set the generator. And don't think you can get away by using the digital readout of your modern black box receiver. It would shock many to know just how far out some of these can be, especially if a few years old. Crystals do age ! Even your crystal calibrator needs to be zeroed against MSF or WWV at least once a year. A point mentioned by Steve Tibbs, lowish emission in a valve can be betrayed by a lower than normal Kathode bias voltage. Mind you other things can cure this , so beware. If anode and screen volts seem okay but kathode volts are low try a substitution. In sets unused for long periods, corroded contacts on wavechange switches can cause dead bands, but this can usually

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be cured by several to and fro movements of the range switch. Dave Ellis is trying the addition of ceramic filters to his EC10 for SSB reception, he will let us know the results. I know of somebody who did this to his EB37 with quite good results, he uses it for MW DXing and claims terrific improvements when 'winkling' out those trans-atlantics which usually lie between the european channels. That is a point ignored by many people, that whilst the european MW band plan uses channel increments of 9 Kc/s, the stateside stations use channel increments of 10 Kc/s. Arthur Collins has spent much of the last few months making up a set of replacement paper condensers for his 830/2. He has used modern cylindrical polycons but he has disguised them as paper types. After having typed the make and values on a slip of paper this is glued around the body of the new component. The whole thing is then varnished with clear varnish.

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- From John Ellis re a fault on his 640, continuous howling as the AF gain was turned up from zero. After voltage checks and much cogitation this was traced to two dud components, replacing them effected a complete cure. The Kathode bias electrolytic on the 6V6 was evidently dry as a capacity check showed nil capacity. The anode load resistor of the preceding stage, the AF amplifier triode, had gone very high in value also to over 100 Kilohm. The correct values should have been 25 mF, 25 v.w and 27 kilohm. After changing them both, checks were done on other components but all appeared with ^{i*} spec: Funny thing that the howling disappeared if phones were plugged in , in place of the speaker ! He comments that he was once told by the Eddystone Service Dept that an ECH35 should not be used in his 640, the 6K8 was the correct valve. Yet so often throughout the years I have seen these two listed as alternatives, note I did not say equivalents.

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- RSGB/National Vintage Fair. -

- Hands Up who went there on Sunday, May 16th ? Well I know that some of you did. Hope that you enjoyed the display of Eddystone Equipment that was put on courtesy of Chris Pettitt the M.D of Eddystone Radio Ltd. Chris kindly offered to do a little 'touting' for EUG during the show, he is a very enthusiastic supporter of EUG.

- It is thanks to Chris that EUG is now in possession of a further stock of receiver manuals, some which have been quite unobtainable by our members in the past. A full list of those which EUG does now have is on the other side of this page, it is worth mentioning that whilst some are a mere 5-6 pages plus schematic, others are more than 100 pages, the 40A is two such manuals ! If we have any originals left that is what you will receive, if not then Kathy will do you a photocopy. Let Kathy know what model you are interested in and she will sort you out a copy. Remember she has a full-time job and so EUG matters may take a few days to sort out, PLEASE send a stamp or SAE for any reply, the main reason for the increase in subs this year has been to cover postal costs and envelopes. One member had eight replies from EUG last year, not once did he send a stamp !

- One thing noted at the NEC, prices of Eddystones from the various dealers are definitely UP over the last year. A rough and ready 770R for which they were asking £80 went early on. An 830/7 brought over £200, very good nick but nothing super special about it.

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Free Readers Ads,-

- SELL, EP17R panadaptor, excellent condition, £75 - 830/7 with full set of crystals, excellent condition, £250 - 659 in good condition, £75 - 840 with cracked dial glass, otherwise good condition, £85. Please ring David on 0223-843408. (Cams:)

- WANTED, info on the R.1155 receiver, receiver circuit diagram and diagram for mods, also want combined PSU and AF output stage as often advertised for plug-in use with 1155. Write P Trembath, 4 Penrose Terrace, Penzance, Cornwall, TR18 2HQ.

- WANTED, several members are looking for a source of the two pin mains connectors as utilised on various models, i.e the 870

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cont;

the 670A, the 840A. Let EUG know and we will pass it on. Thanks - Wanted, by EUG, to pass on to members, list of Eddystone Model Numbers which had a 'badged' equivalent, i.e. models sold by the MIMCO, HAGENUK, ITT, etc; Come on somebody must have a list, make another member happy. Let EUG know and will pass it on.

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- Models for which EUG has Copies of Manuals.-

640 - 659 - 670 - 670A - 670C - 680 - 680X - 710/740 - 750 - 770R - 770R II - 770U - 770U II - 770S - 730 - 820 - 830 - 840 - 840A - 840C - 850 - 870 - 870A - 880 - 888 - 888A - 940 - 1000 - 1002 - 31A - 40A - 960 - 958 - 990R - 990S - 358/400 - 440/450 - Sphinx - Homelander - Kilodune 4 - All World 8 - 214/215 - EP17R - EP20 - EA12 - EB35 - EB35II - EB35III - EB36 - EB37 - EC10 - EC10A2 - EC10II - SW3 - ERA - Plus many schematic diagrams and review articles on pre 1940 models dating from 1920s. Ask if YOUR models are not quoted.

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- MORE FREE ADS. -

SELL, 770R £95, 770U/2 £95, Marconi Badged Elettra £85, Battery boxes suit EC10 and EB35 series, new, £10, some dial glasses, ask. All plus postage. Phone 0374-128170, Fax 0372-454381. Anytime. (Surrey). Ask for Peter.

SELL, one 840A - prefer go to OAP or young SWL - price £35. Prefer buyer collect at that price. Bryan Cheffings, Middlesykes Lane, Grimoldby, Louth, Lincs; Am also interested in buying either a 680X or 888A.

WANTED, Model 990R, either working or faulty, please call Alf on 021-475-8647 (Birmingham area.)

WANTED, 770S - 990S - 990S/1 - 1990R/2 receivers, also interested in an EA12 to enlarge BRS 94763 listening capabilities, reasonable prices please as recession still with us in S Wales. Also want 2 off Eddystone lighthouse 'logo' badges. Telephone Mike on 0267-275342, evenings please.

WANTED, Wanted one dial glass for an 870A, can you help? Fred Ward, G2CVV, c/o EUG please.

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- From The Mail -

- R Perkins says that he can recall picking up W2XAD in Schenectady New York, wow that was a few years back ! He is now using an EC10 with about 50 feet of aerial outside and looking for some of today's Stateside stations, happy hunting.

- N C Jeffery has a strange fault - with its cure - to report on his 940, which he has had since new in 1964. The BFO began to emit a 'popping noise' quite regularly. Baffling at first but eventually it was found to be caused by an internal short in the VR150/30 valve which was intermittently arcing across, cure was a new VR150/30 and no re-occurrence so far.

- Jack Read has an 830/3 which he is going to compare with his Racal RA17. He wants to know if anybody knows of a club for Racal owners ??? Others want to know of clubs for Collins and HRC owners so if anybody out there does have info, please let EUG know and can pass it on.

- Barry Slater says that he was pleased to see the bit on the 'Kilo Four' in last issue, had many others say the same Barry. He still uses an R.1082 ex Raf receiver, 2 volt valves that one !

- The query in last issue re the boards number 10099PA & 11112PA has been answered by Derek Lively himself, saw some manuals on a stand at a rally, looking through them found the relevant receiver is the 1590.

- John Sutton is still looking for info on the model 7020 receiver made by 'C & N' Ltd of Gosport, ranges 0.6 to 32 Mc/s. This has an Eddystone slide rule dial so can anybody help John to identify it ? Gosport could imply a marine connection possibly.

- Bert Clark wants to know of a small LCD type frequency display which has the required 1620 Kc/s offset to allow of its use with his 888A, any offers of info ? He has got a Howes DFM but it is 'rather over complicated, an LED type not LCD and far too large with excessive current consumption, any offers of info to EUG.

-Philip Taylor, 14 Willow Walk, Canewdon, Rochford, Essex, SS4 3QH, has valves to suit most of the Eddystone range, plus original looking rubber mains lead, phone leads, output transfos and much more for those who do their own servicing. He can also offer Dropper resistors for those AC/DC sets !!! Now there is an Offer !!! Write him direct for his lists.

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- The Model 670 -

-My 670 had an uncomfortably high 50 c/s hum level. Measured at V6, the UL41 anode it was about 1.5 v, peak to peak. Shorting V5 G1 to chassis brought the hum down to about 0.1 v, p-p. Further investigation revealed the reason. R25 - a 13 Kilohm from G1 to chassis, shared a common chassis return tag with the bottom half of the heater chain ! That is V5 heater pin 8 went to chassis via this tag. The cure was easy, to lift the end of R25 and resolder to tag holding R52/C29 the V5 kathode to chassis return. This simple operation dropped the hum level at V6 anode to 0.2 v, p-p. A further improvement was to add 47 mF across C58 the reservoir condenser. Measured hum was now less than 0.1v, p-p and barely audible.

- Two other mods I have done, but not for the purists ! Replace valve diodes with germanium types, for V4 and V5. This helps to reduce hum and allows audio to be reduced to zero with the volume control. Another is Position 5 of the range switch is meant for 'gram' pickup use. Instead I have fitted a set of long wave coils and now have coverage of 150 to 210 Kc/s, with good sensitivity & image rejection. Just the thing for LW DXing with a tuned loop.

by Ken Quigg, GIACRG.

- - - - -
- "HELP" -

- Peter Levino has got this Marconi HR100 which is most definitely made by Strattons as shown by the label on the back, come on please somebody must be able to help out. What is the Eddystone model number for the HR100 ??? He also has a model 688 diecast speaker which has the equivalent Marconi type number on it ! See below,-

MARCONIS WIRELESS
TELEGRAPH CO LTD.
LOUDSPEAKER
Type 1816

MANUFACTURERS
STRATTON & CO LTD.
BIRMINGHAM 31 ENGLAND.
Cat No. S628C
Serial No. []

RECEIVER TYPE HR 100
W.40088/C ED.3.
Serial No BF 1854
MANUFACTURED FOR
MARCONIS WIRELESS
TELEGRAPH CO. LTD.
BY
STRATTON & CO. LTD.

Above labels on base of speaker.

Label on Receiver rear panel.

- Tor Marthinsen is one of the first EUG members and he has sent in his comments on the matter of that 'hum bucking' resistor fitted between anode of the output bottle and the anode of the audio driver, did I really praise it Tor ? Anyway you can have your say;-

'Your praise of feedback between the anodes of the audio valves puzzles me Ted. I looked this up in the literature, and Cathode Ray in Wireless World article summed it up with this expression 'hum is reduced, but it is pretty horrible'. Langford Smith says simply that 'this is not a good circuit for low hum'.

Quite a few Eddystone receivers have this resistor put in from the factory already, but not for hum reducing purposes ! The point is that a resistor from the anode of the output valve to the anode of the preceding stage is a 'Miller resistor', and tends to lower the input resistance of the output valve. The effect on the valve is not significant however the previous stage will now work into this reduced load, so the high frequency response is improved. Mind you, these receivers all left the factory hum-free (Eddystones are the best!) so if you do experience hum there is something wrong with your set.

Another matter brought up in previous newsletters is the matter of what output power is necessary. If you intend to use headphones only you might as well dispense with the output stage, as was done in the mighty HRC. If you intend using a loudspeaker you need a certain power reserve, so as to not get overmuch distortion on peaks. G R B Thornley in his excellent series of articles in 60-61 that about 2 watts is needed. To Me this makes sense, he suggests the use of a 6BW6 which is very close to a 6V6. Now if I were to make use of the suggestion of substituting a 6G6 in my 556 for the 6V6, what would happen ? Well the 6G6 tables quote a maximum of 180 volts on both anode and screen, lets ignore that. The anode current is given as 15 mA at 180 volts. In my 556 the HT is 250 volts so that the anode current will rise to about 25 mA. If I do not think about the kathode resistor and use the existing one then the anode current will be more than 30 mA. Now with an anode voltage of 250 this makes for a dissipation of 8 watts. The 6G6 is rated at 2.75 watts !! The only solution to this is to lower the screen voltage, perhaps to 150 volts. You then need a resistor & condenser. And you still have to change the kathode resistor. Also the quoted load for the 6G6 is twice that for the 6V6, so you will have to tolerate more distortion or change the output transfo. So I try a 6X6 instead, with a kathode resistor change to 510 ohms I will get an

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cont:-

anode current of about 30 mA. The optimum load is still higher than what is presented, but not as bad as with the 6G6. So I save about 15 mA, no component is overloaded and the sound is okay. Well I take the 6K6 out and plug in the old 6V6, and what happens ? with 510 ohms in the kathode the anode current drops to slightly under 30 mA so perhaps I ought to lower the screen voltage further to reduce the screen voltage further ? - This is a never ending story!

These receivers were once carefully designed, where the various parts were calculated for performance and cooperation. As long as the original valves are still available it is better to stick to the original types. Tor Marthinsen.

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- Panadaptors.-

- P N Kirkup wrote last year to tell us that he had acquired an EP20 panadaptor, well he has done it again. Recent letter tells us that he now has an EP14 to go with his EP20. Not a bad buy at £25, had one go in March for £95. All he needs now is to get one of his 770Rs working okay to go with the EP14. Well that is not so difficult as you may think, the EP14 can be used to re-align the 770R receiver, both IFs and RFs.

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- STAMPED ADDRESSED ENVELOPES.-

- OKAY IT'S THAT TIME AGAIN ! IF YOU WRITE TO EUG THEN DO PLEASE INCLUDE EITHER A STAMP OR PREFERABLY AN S.A.E. ONE OF THE REASONS THE SUBS; WENT UP THIS YEAR IS THE HIGH VOLUME OF OUTGOING MAIL TO MEMBERS WHO DO NOT SEND ANYTHING FOR RETURN POSTAGE. TO THOSE WHO DO - AND TO THOSE WHO ALWAYS SEND A BIT EXTRA WITH THEIR SUBS; MANY THANKS FROM BOTH OF US.

- TRY TO REMEMBER THAT THE ABOVE ALSO APPLIES WHEN YOU WRITE DIRECT TO ANOTHER MEMBER, RE HIS AD MAYBE.

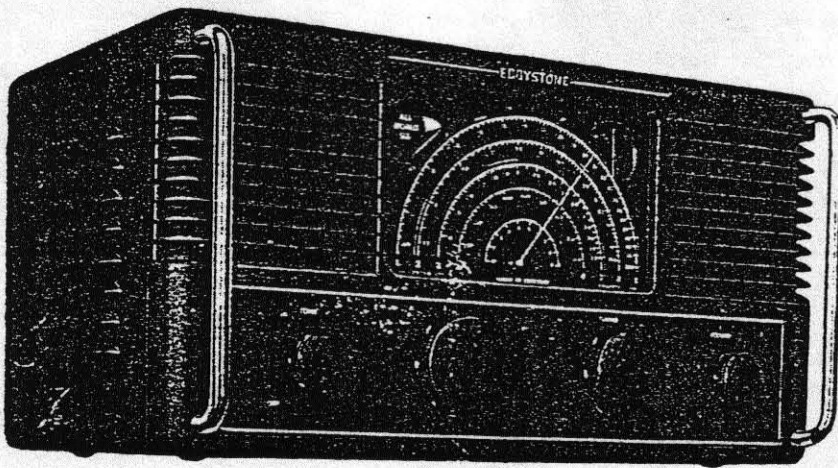
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A.K.A. THE "410/B" MODEL.

EDDYSTONE

'ALL WORLD SIX' RECEIVER

OPERATES FROM A 6 VOLT ACCUMULATOR



COMBINES EXCELLENT PERFORMANCE WITH
ECONOMICAL CURRENT CONSUMPTION

The Eddystone ALL WORLD SIX Superheterodyne receiver has been developed specially for the Overseas Listener who lacks a mains electricity supply. It will give consistently good reception of short and medium wave broadcasting stations in any part of the World and under widely varying climatic conditions.

SPECIAL FEATURES

- ★ Consumption only 2.5 amperes.
- ★ Miniature valves.
- ★ Robust construction.
- ★ Finished for tropical service.
- ★ Mechanical bandspread logging.
- ★ Wide frequency coverage.
- ★ Large, accurately calibrated scale.
- ★ Flywheel loaded tuning.
- ★ High quality reproduction.
- ★ Provision for extension speaker and gramophone pick-up.



Manufactured by

STRATTON & CO LTD

EDDYSTONE WORKS, BIRMINGHAM, ENGLAND

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EDDYSTONE 'ALL WORLD SIX' RECEIVER

The user of an ALL WORLD SIX receiver will find it difficult to believe that the set is working from a battery and not from electricity supply mains. Due to the modern design and to the use of new types of valves, the performance is astonishingly good. The audio output is more than adequate for normal domestic requirements and the quality leaves little to be desired. Many different programmes can be received, at good strength, with excellent quality and with little or no background noise.

In the ALL WORLD SIX receiver, the foregoing qualities have been combined with low current consumption. The average current taken from a 6-volt accumulator is 2.5 amperes and many hours of service will thus be secured before recharging becomes necessary. For example, 40 hours' use (20 days at 2 hours per day) will be obtained from a 100 ampere hour accumulator.

The ALL WORLD SIX receiver is a sound engineering job. It is of very robust construction and the workmanship and quality of materials are of the finest to ensure reliability of a high order over a long period.

SPECIFICATION

TUNING RANGE

- Range 1 30.6 to 10.5 Mc/s.
- Range 2 10.6 to 3.7 Mc/s.
- Range 3 3.8 to 1.4 Mc/s.
- Range 4 205 to 620 Metres.

DIAL is directly calibrated and edge illuminated. S.W. Broadcast bands are marked distinctly.

TUNING is flywheel controlled, smooth and positive. A special bandspread logging scale is provided. Reduction ratio 140-1.

CONTROLS comprise Main Tuning Control ; Band Selector ; Volume Control ; Tone Control (combined with on/off switch).

CIRCUIT is a six valve superheterodyne, with R.F. stage and push-pull output.

LOUDSPEAKER of new modern type fitted internally. Provision for external speaker.

CABINET is steel, finished ripple brown and specially treated against resonance.

OTHER REFINEMENTS include :

Provision for gramophone pick-up ; terminals for single or doublet aerial ; controlled negative feedback ; protecting fuse ; chromium plated carrying handles ; dial lamp switch.

DIMENSIONS : Width 16 $\frac{3}{4}$ " ; Depth 10" ; Height 8 $\frac{3}{4}$ ". Weight unpacked, approx 34 lbs.



manufactured by

STRATTON & CO LTD
EDDYSTONE WORKS - BIRMINGHAM - ENGLAND

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- Valves - Valves - Valves.-

- Thanks to several members of EUG I have been able to compile data on most of the valve types used in Eddystone models dating from the early 1930s to the 1960s.

- The earlier types from 1934 onwards have to date been the most awkward ones to get adequate data for, now EUG has a copy of the Mullard Master Valve Guide of February 1935, and I have been able to help out several members already. In one case it was a case of identifying which valve was suitable for use in a 1930s Quadradyne, another was to locate equivalents for use in the All World 8, both easily sorted out.

- The later valves are not so difficult as so many are still available over the counter, Doug Bishop tabulated many of the 1940 - 50s valves used in the later Eddystones and since these lists arrived here it has been possible to help out many members.

- If YOU need data on valves whether it be equivalents or valve characteristics then just write and I will do what is necessary.

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- EUG Data Locator.-

- Comments from members who took the trouble to put this aid together have been quite favourable and several have asked for a similar one for solid state models, it takes time but you will get one when I can gather all the data.

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- MIMCO 'Nebula' - Eddystone 958/5.-

- Thanks to Chris Pettitt Eug now has a copy of the Nebula manual, several members have this model and EUG has now been able to help them out with a copy. Same goes for the ex GPO model 31A noise and interference Receiver, Stan has been waiting for more than a year for a copy of this manual - needed to repair a meter fault on his 31A.

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- New Member in Sweden.-

- A recent EUG member is Bengt who collects both Eddystones and Collins models, he had - at the time of writing - some 18 models by Eddystone, he is an active amateur and holds the call SM3BMV.

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- The 830/12 Model.-

- Queries from two members re this model, well Eddystone state

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cont;

that the /12 is an 830/7 in all respects except for the ranges 7, 8, & 9 which on the /12 cover 120 Kc/s to 560 Kc/s.

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- 850 Vernier dial.-

- Tor - one of our Norwegian members, is still looking for the vernier dial for his model 850. Come on, somebody out there must have one, send it to EUG and I will see that it gets sent to Tor post-haste.

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- The product detector for the 730.-

- Amazing how many of you wanted this circuit, well thanks to Victor Mee there are 2 members with it built and fitted to their 730/4. It does work well I am told so if that was all you were waiting for, go ahead and build yours.

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- Fallout from the NEC.-

- Several members who visited the RSGB/Vintage Comms; rally have commented on the Eddystone stand, saying what a good show Chris Pettitt had put on, and that they had seen models which they had not previously known about, Chris was very active on behalf of EUG too, Thanks Chris.

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- Re Marconi & MIMCO Receivers.-

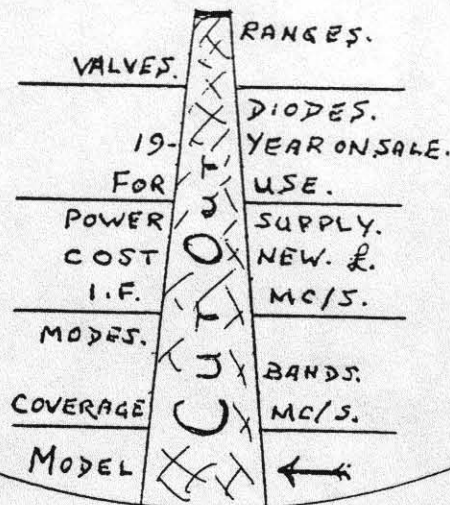
- From Nick Tansley who is an ex Marconi apprentice in the Marine equipment department, Receivers for government or professional use were nearly always identified by numbers with a single 'H' prefix followed by four figures i.e. 'H1234' and these would have been built at Chelmsford. Mercantile Marine equipment was usually identified by a model name i.e 'Atalanta' or 'Elettra' but will also have a model number which may also be an 'H' number. This equipment was built at Wembley, now closed, and Chelmsford and then sold to MIMCO and other companies. MIMCO at Chelmsford hold some diagrams on microfiche which they may, with some persuasion, copy if not too inconvenient. Some handbooks are available at the Marconi sales office. Thanks Nick

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DATA READ-OUT FOR VALVE MODELS.

"32 RECEIVERS AT
A GLANCE."

E. U. G.
RECEIVER
DATA FINDER.

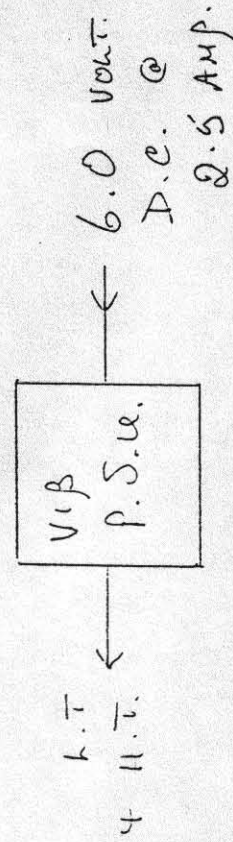
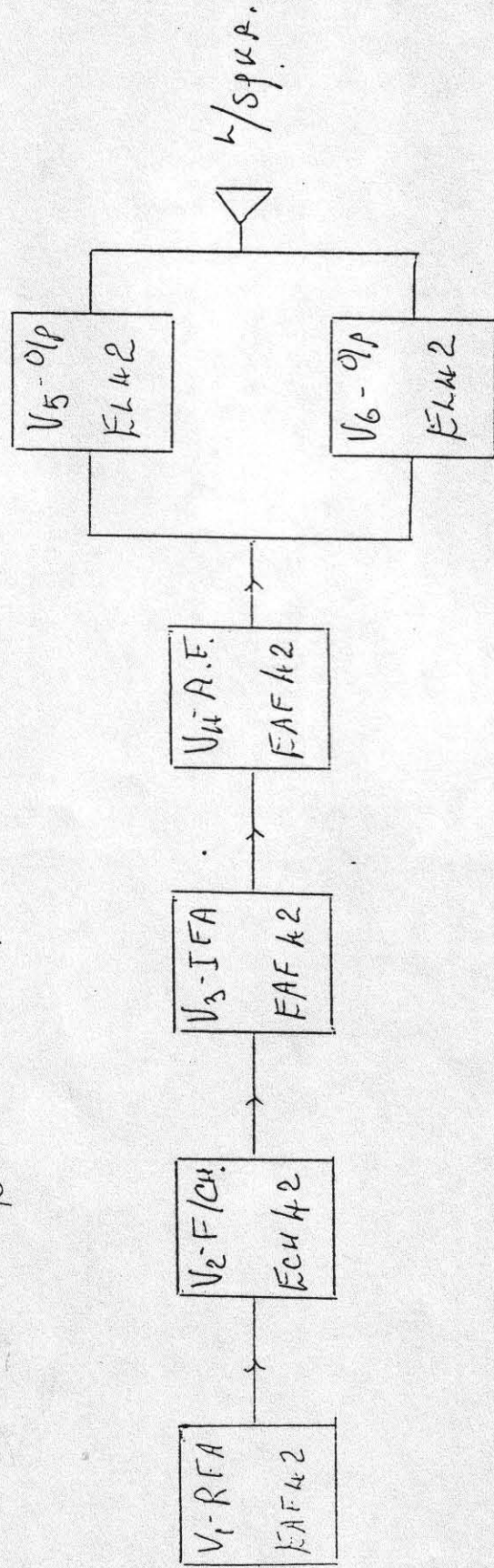


- 1/ CUT OUT THIS CIRCLE & THEN CUT FROM IT THE CROSS-HATCHED PIE-SLICE. MAKE PIN HOLE AT CENTRE DOT.
- 2/ STICK CIRCLE TO A PIECE OF CARD, CUT CARD TO SIZE OF CIRCLE, REMOVE PIE-SLICE ON CARD.
- 3/ CUT OUT RECTANGLE ON NEXT PAGE, FIT PIVOT.

CIRCUIT OF APPEARANCE SIMILAR TO A FRO

BUT HAS NO B.F.O. OR N.L.

AF.



MODEL F10/B, - "ALL WORLD SIX"

- Some Recent Prices. -

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- These are from letters sent in by members who have either bought or sold one of the models mentioned recently, the variations will be due to condition - both external & internal physical state, actual working state, any mods done, and one intangible but important factor which is 'how much did the buyer want this model ?' I often think that many people ignore this last point when buying or selling.

640, - £45, £60, and £90. This last with a manual which is only worth about £5 anyway.

750, - £70, and £105. This last with model 688 speaker.

770R, - £35, £45, £60 and £70. This last with manual worth £10.

770R Mark II, - £95 and £110.

770U, - £40, £ 55, and £75.

770U Mark II, - £125 and £140.

EC10, - £45, £55 and £60.

EC10 Mark II, - £65 . This was somewhat modified too !

680, - £30.

680X, - £75, £95 with model 688 speaker.

670A, - £75.

320, - £15, £45, a non-worker went for £5.

659, - £37.50.

740, - £65, This had 'S' meter and 688 speaker with it.

730, - £75, £90, £125, £130.

830, - £30, £100, £145, £170. This last was an 830/2.

840A, - £40, £55, £70, and £80. A non-worker went for £15.

840C, - £65, £115.

650, - £145.

870, - £35.

870A, - £30, £50, £55. A non-worker went for £5.

880, - £170, £220.

880/2, - £165.

940, - £65, £120, £140. A non-worker in poor state went for £10.

960, - £110.

990R, - £70, £165, £195.

990S, - £50, £120, £190.

1002, - £130.

EC258, - £345.

- These prices paid have all been within the last six months and must not be taken as a hard and fast guide. As stated above the main criteria must always be 'how much does the buyer want it ?'.

- If you buy or sell an Eddystone do let us know and we will publish another list in a few months time.

- The electrostatic charge on a person can reach 20 Kilovolts, this with a peak discharge current to earth of up to 20 amps. Yes amps not milliamps. On metal furniture it can reach 8 Kilovolts with a peak discharge current as high as 150 amps. Just sitting down on a foam filled cushion can generate a charge of 18 Kilovolts, hair raising isn't it ? literally so. Think of this when handling transistors or ICs.

- A leaky RC coupling condenser between AF amp triode anode and output stage grid can cause excessive anode current to flow in the output valve. Two things are then possible, the primary of the output transfo goes open circuit, or the Kathode volts go up, the bias resistor overheats and goes high or O/C and the excess volts can blow the bias electrolytic. You have been warned !

- If the 'S' meter unit , catalogue number 652, used with your receiver goes dead then don't immediately blame 'it', service records over the years show that in 17 cases of a non functioning 'S' meter in Eddystones , fourteen involved 'dud' valves, the double diode valve either EB91 or EB34 types seem to have a propinquity for C/C heaters. Two others were faulty connecting cables, one was an open circuit track on the wire wound pot.

- Sferics request from a member "is the Marconi IMR 54 a marconi badged Eddystone"? If so please let EUG know, he has the chance to 'acquire' one when he goes to Spain this year.

- Another member has a fluctuating mains supply that goes from 225 to 240 volts during the evening, the effect on SSB on his 640 is quite noticeable. The voltage changes seem to depend on the TV programming, going down just about 20.00 hours. Can any member help ?

- 940 just serviced by one member had severely distorted audio at the speaker but okay on the low level output at the rear. The

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fault was traced to R64, the grid resistor for V10, this should be a 470 kilohm but it measured up in the megohm ranges.

Thats another issue done, time to start the next, no rest for the wicked ! So I am told. The next issue will feature the 820, not a receiver as such, this was a domestic AM / FM tuner unit of exceptionally high quality. I still use mine for daily listening, apart from several valve replacements nothing whatever has been done to it. Not being a Hi-Fi fan the fact that it is a mono unit does not worry me, it feeds a home brew 5 watt amplifier and gives me good enough reproduction for me to enjoy my kind of music, Jazz & Big Band stuff. Surprising to hear that I am not alone in this as eleven members own up to 'using' their 820 on a regular basis. CU all in two months,

73,

Kath & Ted.

*STOP PRESS * STOP PRESS * STOP PRESS.

- Re the query from Peter Lepino on his HR100, seems that it is basically a 750 - which I had guessed when Peter mentioned that it covered to 32 Mc/s - Eddystone say that there was no Eddystone model number allocated to it although it was more or less to a 750/2 circuit. Peter now has the circuit for it.

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- Morse on Radio Four ? -

- Unusual happening this, morse and it's history was the subject of a program on R4 at 10.45 p.m on May the 29th, 1993. I suppose the only previous occasion this had been heard was during WW II when the famous dit dit dit dah was heard. Good to know that somebody found morse code to be of sufficient interest to produce a program about it. Doubtful that the Code will ever die out completely, despite the attempts by the professionals to drop it in favour of machine codes such as RTTY or TOR. There are fewer ships these days with morse qualified operators, fewer pro stations using it. Even the amateur fraternity (and sorority !) are now debating the possibility of a class A code free license.

- Not so long ago I listened in to a long 'rag-chew' QSO on the 80 metre CW band, this was a G3 +3 and a G4 +3 who were obviously ex professional operators. The QSO was conducted at a fairly steady 15 - 18 words per minute with much use of the Q code and even some of the Z code - very unusual this latter. The use of such as QAP (please listen out), QRX (please wait), and others during the half hour QSO proved my point, they were ex pros. The G3 +3 was using a home-built transmitter which was over 25 years old, a 6G6 fed into a 6L6 which drove the 807 PA to some 35 watts, his receiver turned out to be an EAL2 ! During the QSO it was stated by both sides that the only form of transmission used was CW and that the intention was for long 'rag-chews' with a technical content.

- Back to the R4 program, several items of info came out, that back in 1865 the Royal Engineers Telegraph Battalion were using morse equipment which could send and receive morse at 300 w.p.m ! Reception was on an inked paper strip, both send and receive mechanisms were driven by clockwork, wind-up, motors. Morse is not always radio wave and sound wave emissions, back in the 1930 a patent was taken out for a light beam transmission system where the recepteur was a photo voltaic cell. That although the morse code is said to be commercially obsolete, many hundreds of ships at sea and military forces do still use it. And of course in most countries it is still a sine qua non for holding a Class A amateur license.

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- Free Members Ads. -

WANTED, Any information on the Eddystone SSB adaptor for the model 880, catalogue number ESU-16. Write to Frank Vincent c/o EUG.

SALE, Eddystone dials, condensers, coils, chokes, etc; from all periods. Bernard Litherland. Telephone 0225-891-254, anytime.

WANTED, Receivers 880, 880/2, 960, 1995, plus any 1000 series. Also diecast speakers 688, 697, 698, small 652. General purpose 935, 899, 899/F, Plinth 906, Signal strength meter, Edometer ED902, 902 Mk 2... Buy for cash, collection possible. Contact Peter Lepino, Fax 0372-454381, Telephone 0374-128170. Anytime.

SALE, Bulgin 2 pin polarised connectors suit many models such as 670A or 840A. These are new stock. Cost £2.25 post paid. Philip Taylor. 14 Willow Walk. Canewdon. Rochford. Essex. SS4 3QH.

NOT IN PHONE BOOK 7/95

WANTED, for my EC10, a BFO coil part number 6656P. Phone P Trembath on 0736-330188.

SALE or PART-EXCHANGE, FT101ZD, fan, CW filter, 9 bands, also FC9C2 ATU. Offers or P/E for Eddystone EC1838 or EC1837/2, also wanted SPC300D. Write to Tony Edge, 3 Albert Rd, Bognor Regis, PO21 1NL.

WANTED, for my 850 receiver, the vernier dial, URGENT to complete my receiver rebuild. contact Tor Marthinsen, PO Box 2061, 3103 Tønsberg, Norway, or contact EUG and will pass on.

WANTED, BFO coil and Q multiplier assembly for Hammerlund HQ145, not HQ100 as in ad last issue. Please write Ross Paton, 56 Glengarry Rd, Glen Eden, Auckland, NZ, or contact EUG and will pass on.

SALE, custom made Frame aerials for MW Dxing, cost £39.25 including p & p UK. £47 rest of Europe. Also list of radio books for sale. Mike Evans, 120 Loughton Way. Buckhurst Hill. Essex.

SALE, retired engineer has many radio and Tv valves, new and boxed. S.A.E please for list to F Penny, 78A Hearnville Rd, London, SW12 8RR.

SALE, Model 880/2 in good condition, rack mounting, £250. Ring David on 0223-843408.

WANTED, Pre WW II Eddystone model, also EA12, 960, 958, 888, 880, Ring Alan Ainslie on 0344-27869.

LATE MEMBERS AD

WANTED SOMEONE WITH EXPERIENCE AND EQUIPMENT FOR RE-ALIGNMENT OF MODEL 1590 SERVICE DATA MANUAL AVAILABLE. PAYMENT BY CASH. G. 3040 TEL NO. 0772 704009 AFTER 6PM