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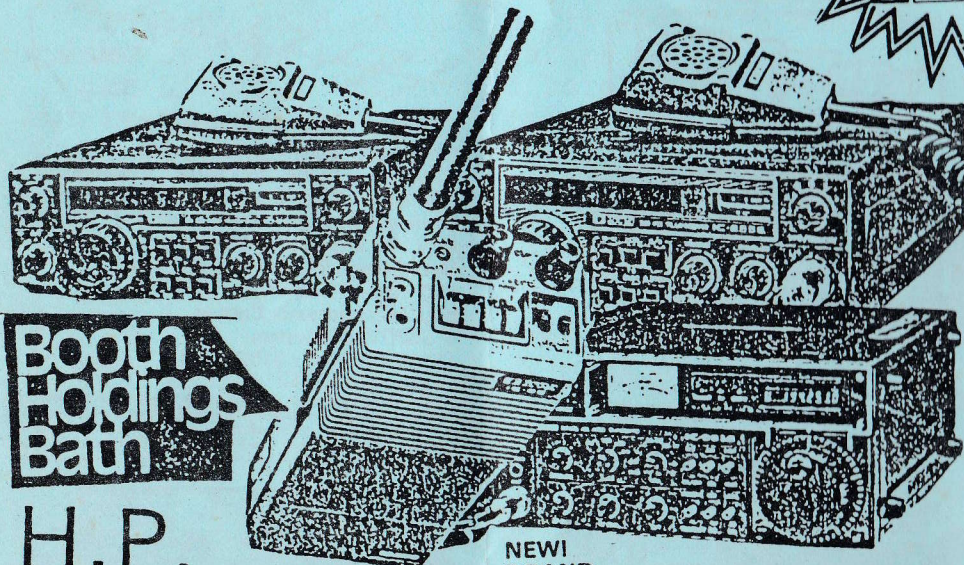
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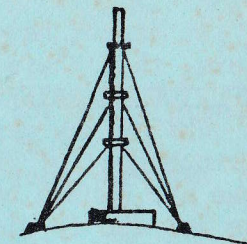
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# MENDIP REPEATER GROUP NEWS LETTER MAY 1985



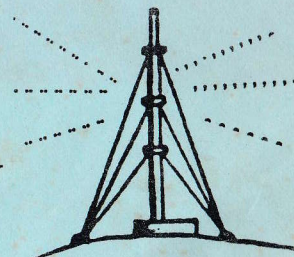
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B. Smith G4ETN  
I. Parker G8XZD  
I. Sparry G8IYW  
S. Bateman G4ZBL  
P. Price: Editor G4SUH  
D. Petch: P.R. G8YWQ  
W. Dix G4ZEU

((( W R )))

GB3WR. GB3UB. GB3VS. GB3UT.



EDITORIAL.

It cannot have escaped the notice of the more regular W.R. users, that there has been an increase in the number of "SPURIOUS CARRIERS" and also of "interference" on the box.

Whilst the majority of these can be laid at the doors (or microphones) of the "lunatic fringe", it must be said, that some are caused by frustrated amateurs who can't gain access to the box due to misuse of the "TWO PIP SYSTEM".

Therefore, as P.R. Officer for the Group, I would once again request users of W.R. to please observe the system and not ignore the "pips", thereby allowing all to get their share of usage.

With regard to the "SPURIOUS" it might interest the members to hear that the editor has been advised by a group of very helpful C.B. users of a great service performed by them on behalf of all RADIO AMATEURS and C.B. users alike.

You will all no doubt recall that in the recent couple of months, there has been one particular "jammer" who has been transmitting both music of a questionable quality and obscene language over W.R.

It would appear that this same person was doing similar on the C.B. frequencies, much to the annoyance of some of the more serious C.B. users, namely the H.G.V. fraternity.

This person, who turned out to be a "proper wally" was tracked down in the Okehampton/Liskeard area by a group of dedicated H.G.V. "Heavies" whilst playing "Tubular Bells" over his C.B. rig whilst parked in a lay-by.

His equipment consisted of a FT480R/100w linear, Yaesu Gen. Coverage H/F Transceiver, and C.B. rig plus the usual "Linear", and to add insult to injury, a Sharp Stereo in car system.

All equipment was treated to a full MODIFICATION PROGRAM under the wheels of a 32 ton ATTENUATOR.....

This rather drastic measure caused a definite reduction in R.F. power and in the opinion of the "Engineers" a vast improvement in audio quality (Q R T).

Whilst the committee of the Mendip Repeater Group cannot approve of such drastic actions, it would appear that this has had a salutary effect on at least one "pirate" and a definite clean up of the air waves generally.

PAUL G4SUH      Editor.  
DAVE G8YWQ      P.R. Officer.

Presentation to Chris Morcom

Presentation of a engraved Silver Salver to "Chris Morcom" G3VEH by our Chairman Bill G3CQE in appreciation of his services to the Group, on the occasion of his departure to fresh fields.

GOOD LUCK, Chris.



## FROM THE CHAIR

As many of you will know, Chris Morcom, G3VEH our Tech. Manager for some years has unfortunately for us moved to the Chelmsford area. He is now working for Marconi. The Group and many individual members owe him a great debt for his help and advice over the years. Before he left a small presentation was made on your behalf to Chris and Helen. We all wish them good luck in their new venture. Chris hopes to visit the area in time for the Longleat Rally so that he can keep in touch with his many friends.

Your new Tech. Manager is Peter Harston, G4JQP his report is in this issue. Good luck Peter. Responsibility for the production of this newsletter now falls to Paul, G4SUH aided and abetted by Dave, G8YWQ. Please let Paul have any material you wish to be published.

The Rally season is once again upon us and the Group will be represented at some of these and the Committee look forward to meeting you at the M.R.G. Stand. However - beware, they will be after you - or more accurately, your SUBS! We need your support and we need new members. A recent check over a period of one week revealed some 133 non-members making use of GB3WR on at least three separate occasions. These were not visitors to the area. It would seem therefore that there is still room for a fair increase in the number of members helping to support the Group. The cost of running the "Boxes" is increasing annually and whilst it is true that the £2 per annum subscription has never been increased from day one, it is also a fact that only increased membership will avoid an increase in the SUB..... that is if the present number of repeaters is to be maintained. Many of the non-members seem to be able to afford some rather expensive equipment and yet they are unwilling to come up with just £2. If you can persuade a friend to join you will be doing the Group and indeed yourself, a favour. It would be nice to hold the subscription to its present level for another year.

WR has recently had its share of unwanted intruders. We are of course fortunate that in this part of the country they are few and far between, as anyone from the London area will confirm. Many of our members are quite adept at handling these pests. However for newcomers here's a bit of advice on the subject. First, not all the mysterious carriers are caused by people deliberately trying to spoil the enjoyment of others.

One recent discovery was a man who was using 145.0Mhz to do some SWR checks on his beam. He was most apologetic when contacted by telephone but explained that he did not think he would cause any interference to the machine because he had switched his rig to simplex working! Another incident was due to someone using RØ to test his rig on dummy load. Whilst he admitted he could still hear 'WR rather weakly when his rig was on dummy load, he didn't think WR would hear him as he was only using ten watts. As for the deliberate jammers, the main thing is not to let them drive you to distraction. Whilst it may relieve your feelings to cast doubts on their ancestry, it also gives them the recognition they crave. So encouraged, they will keep going. Never give a jammer a signal report by telling your friend he has just been wiped out by an IQØ. Such a report is manna from heaven for them --- they will be able to boast about it and demonstrate their prowess to others. Without your signal report they are never sure that they are actually getting into the machine. Time and again it has been proved that the best way to handle these pests is to completely ignore them. Weak carriers are no real problem, most of the time you can go over the top of them---- keeping the machine in Mode "B" will enable you to finish your QSO. The motto is "Don't make their day for them by allowing them to spoil yours".

73, See you at Longleat.

Bill G3CQE

### Subscriptions Address

In the past complaints have been made that some people have been unable to find the address to send their subs! We realise it is difficult to remember and even more difficult to write down especially if driving the car. So from the 1st April there can be no more excuses, a P.O. Box No. has been purchased, easy no. for you all to remember - P.O. Box 73

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Bath.  
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## Technical Managers Report.

It was with a certain amount of trepidation that I accepted the post of Technical Manager at the last A.G.M. After all, the position was being vacated less by a technical manager than by a technical phenomenon.

We all owe an enormous debt of gratitude to Chris Morcom, G3VEH, for the years of dedicated service and effort that he put into the repeater group, both individually and as a member of the committee. We wish Chris and his family a very happy life in Chelmsford.

The legacy of Chris's time with us is reflected in the reliability of the equipment.

GB3WR continues to work as it was intended with few problems other than the perennial odd noises from other site users!

GB3UB works as usual but is beginning to show some of the same problems, with the interfering signal giving rise to a long squelch tail.

GB3VS had for some time been suffering from two audio faults which recently succumbed to the hot iron treatment from the repeater keeper, Brian Smith G4ETN. The power output is about 30db down but it is hoped that new PA and driver devices, when available, will restore the original power level.

GB3UT the 24cm TV repeater is still under construction but we hope to have sufficient working equipment to do some tests in late April/early May.

Future Projects are a little difficult to predict but interest has been expressed in a data repeater and a further TV repeater, both on 23cm.

73,  
Peter Harston, G4JQP.  
Technical Manager

**STOP PRESS.**

## GB3UT Site Test

On Sunday 21st April, G8XZD, G4JQP, G8OTA, and G4OTJ took part in a site test for the television repeater project. A TV test-card generator and transmitter was installed at the repeater site at Bath University and a 6W ERP double sideband TV signal was radiated on 1305 MHz. The antenna, a stacked full-wave vee-dipole arrangement was set to give a major lobe over the City of Bath. The area tested included the home QTH of most active local TV amateurs within the main lobe of the test aerial.

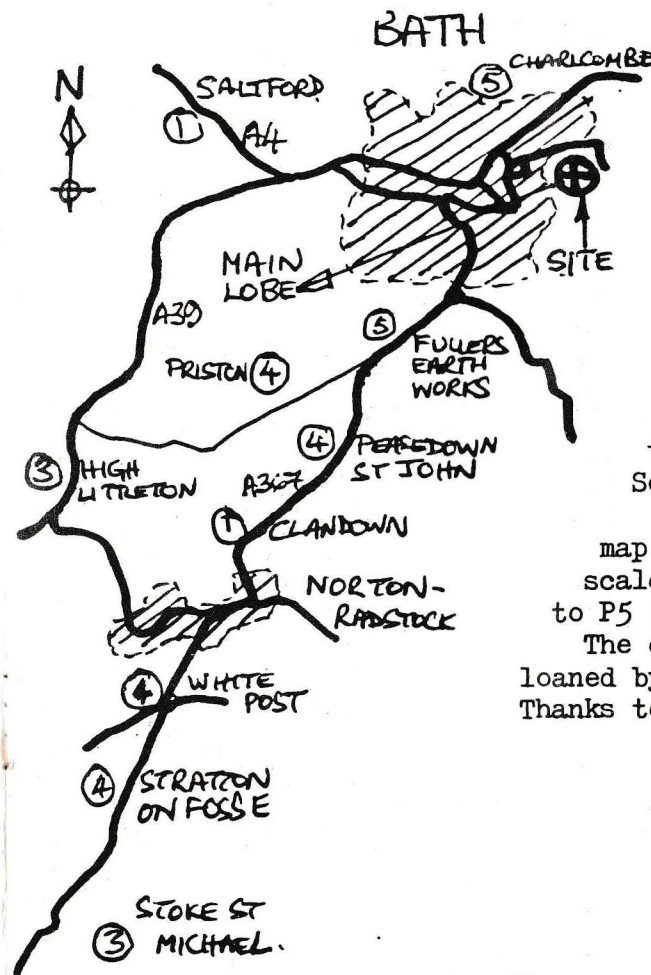
Results were much as expected in such a hilly area with good performance over line-of-sight paths deteriorating rapidly due to obstructions. Talkback was on 70cm via GB3UB, which was suffering somewhat from desensitisation due to the fact that the driver frequency for the TV transmitter was only 300kHz from the repeater input!

When completed GB3UT will run 25W ERP to an antenna more omnidirectional than on the test which should help towards Bristol and the South-east.

Reports are shown on the map on the picture grade scale from P1 (weak picture) to P5 (noise free).

The equipment used was kindly loaned by Henry O'Tani G8OTA. Thanks to all involved.

Peter Harston G4JQP



THE FOLLOWING ARE MEMBERS OF THE GROUP (Apr 1985)

C30AKA	G0APK	G0AWX	G1ABD	G1AJC	G1ARZ	G1AVB
G1BED	G1BKL	G1BYE	G1DBF	G1DBJ	G1DBY	G1DCG
G1DCN	G1DCZ	G1DHO	G1DHP	G1DIU	G1DNG	G1DRE
G1DUV	G1FAJ	G1FGK	G1GCO	G1GLJ	G1GMV	G1GVU
G1HES	G1HHQ	G1HLP	G1HSF	G1HZK	G1IEB	G1IHT
G1IIR	G1IJF	G1ILI	G1JAM	G1JIY	G1JOR	G1JPK
G1JTM	G1KAM	G1KDW	G1KEU	G1KTY	G1LBR	G1MDC
G1MDD	G2BAR	G2BQY	G2BRR	G3AGT	G3BNF	G3BPM
G3CQE	G3DHH	G3ESO	G3GKA	G3GKC	G3IBK	G3IJU
G3JEP	G3KSK	G3LJD	G3LNW	G3MIZ	G3MVA	G3NET
G3NOF	G3NXU	G3OSH	G3PYF	G3RHU	G3RII	G3RPV
G3RYC	G3SJI	G3SRL	G3SXY	G3TKF	G3TWO	G3UCC
G3UGR	G3UPV	G3UTO	G3UUR	G3VEH	G3VJJ	G3VQD
G3WBA	G3XBW	G3XDR	G3XGY	G3XIT	G3YBY	G3YDC
G3YHV	G3YNI	G3YOL	G3YPL	G3YUW	G3ZKI	G3ZUQ
G3ZUW	G3ZWL	G4AJD	G4ATP	G4AUN	G4AVJ	G4AYB
G4AYD	G4BSF	G4BYJ	G4CBS	G4CJZ	G4DKS	G4EPH
G4ETN	G4EVI	G4EXQ	G4FSL	G4GTD	G4GVM	G4HHL
G4HWD	G4INR	G4IXP	G4JBW	G4JQD	G4JQP	G4JSN
G4JVL	G4KBN	G4KJP	G4KNE	G4KPT	G4LAF	G4LAW
G4LDR	G4LJZ	G4LYG	G4LYP	G4MCE	G4MQX	G4MYR
G4NCJ	G4NFO	G4NFS	G4NUJ	G4NXG	G4OAG	G4OEC
G4OFH	G4OJA	G4OJH	G4ONS	G4OTJ	G4OVJ	G4OWH
G4OXR	G4OXY	G4OYY	G4OZH	G4PDG	G4PHZ	G4PJO
G4PLY	G4PSP	G4RDV	G4RIC	G4RJP	G4RLK	G4RRI
G4RSH	G4RUA	G4RZY	G4SCD	G4SFS	G4SJJ	G4SSP
G4STH	G4SUH	G4SXX	G4SZS	G4TAH	G4TBO	G4TIA
G4TIX	G4TKF	G4TLL	G4TLP	G4TRN	G4TSS	G4TXW
G4UEO	G4UFV	G4UGT	G4UHN	G4UIU	G4UKF	G4UOA
G4USO	G4UVZ	G4UWZ	G4VBO	G4VEH	G4VFM	G4VGV
G4VVS	G4WBV	G4WGE	G4WJY	G4WLB	G4WMV	G4WPY
G4WPZ	G4WRW	G4WTA	G4WVS	G4WXD	G4XKK	G4XLY
G4XUB	G4XUR	G4XWE	G4XWY	G4YIC	G4YJH	G4YOC
G4YQG	G4YTH	G4YZR	G4ZBL	G4ZDR	G4ZEU	G4ZMW

MEMBERS OF THE GROUP (Continued)

G4ZNK	G4ZOG	G4ZQF	G4ZUX	G4ZXE	G5RQ	G5YQ
G6AEC	G6AFL	G6AGL	G6ANI	G6ASO	G6ASP	G6AWT
G6BDE	G6DEN	G6DZH	G6EDJ	G6EIY	G6EMB	G6ENM
G6ETL	G6FFY	G6FXH	G6GGU	G6GNG	G6GPI	G6GVH
G6GWF	G6GXO	G6HHH	G6HIQ	G6HKT	G6HMV	G6HN
G6HOR	G6HGX	G6HTZ	G6HWS	G6HYU	G6IAC	G6IAV
G6IEY	G6IUQ	G6IVU	G6IZE	G6JGR	G6JNB	G6JTT
G6JYD	G6KPD	G6KTW	G6LRQ	G6LYX	G6LZL	G6LZT
G6MBJ	G6MGJ	G6MGO	G6MJG	G6MRJ	G6MZW	G6NQQ
G6NRR	G6OEQ	G6OWL	G6PEN	G6PJT	G6POW	G6PPU
G6RBP	G6RKO	G6RZZ	G6SV	G6TAH	G6TAL	G6TBB
G6TEI	G6TKR	G6TKT	G6TUY	G6TWA	G6UAC	G6UNN
G6USC	G6VAH	G6VAR	G6VHY	G6VSE	G6WBU	G6WJF
G6WLX	G6WUS	G6WWY	G6WZA	G6XFC	G6XNQ	G6YCB
G6YFX	G6YWK	G6ZDR	G6ZIM	G6ZJP	G6ZKG	G6ZOD
G6ZPG	G6ZPJ	G6ZPY	G8ARH	G8BIR	G8BMR	G8CPF
G8DBP	G8DJW	G8DKC	G8DLR	G8DRK	G8ELH	G8FAS
G8FC	G8FTV	G8GYZ	G8GYU	G8HNM	G8HUH	G8HVY
G8IOJ	G8IUF	G8IUV	G8IZZ	G8JAR	G8KBQ	G8KKA
G8KNN	G8LGC	G8LRB	G8MYN	G8NMU	G8NNU	G8NQO
G8OEU	G8OQG	G8OTA	G8OTH	G8PVG	G8SPC	G8SRH
G8SUW	G8TIH	G8TOF	G8TVQ	G8VDF	G8VFR	G8VGI
G8VOE	G8VPG	G8WGW	G8WKK	G8WKL	G8WLV	G8WRC
G8XTZ	G8XYS	G8XZD	G8YML	G8YMM	G8YWQ	G8ZOE
G8ZRN	G8ZSP	G8ZVK	G8ZYD	GW1AHU	GW1EPR	GW1EXF
GW2DPD	GW2FWD	GW3LAD	GW3TSH	GW3XWK	GW3ZFG	GW4HA
GW4ISF	GW4KYM	GW4NAD	GW4POA	GW4TJQ	GW4UXK	GW4UZW
GW4XKE	GW6ADM	GW6BWV	GW6CTO	GW6JBP	GW6MOB	GW6MWN
GW6NQU	GW6VLA	GW6VRN	GW6YNV	GW6ZHM	GW8CQK	GW8DGM
GW8PTS	GW8REV	GW8WZR				

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SILENT KEY.

G4SZB Mike Flannigan.

It is with great sorrow that we advise members of the sudden passing of Mike, who was a well known and liked member of the group.

We extend our deepest condolences to his wife Eileen G6HWS and family.

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FROM G6HWS TO ALL MEMBERS OF THE GROUP.

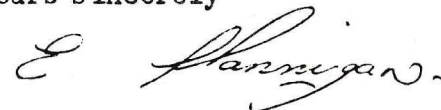
I would like to thank everyone on WR for their donations, letters, and cards. The kindness shown to us has overwhelmed me. It is so hard to express into words how my husband, G4 SZB, loved Amateur Radio and he said many times how it kept him sane whilst driving hundreds of miles each week. But most of all, he made some super friends whom he valued greatly.

He was a true Radio Ham, and I am sure if he had a mike in his hand he would say cheers, 73s and 88s to you all.

Regards,

Eileen Flannigan, G6 HWS

Yours sincerely



Eileen Flannigan  
G6 HWS



Dear Sir,

I used to live in Midsomer Norton but moved away some years ago.

I have recently retired and moved back to Holford and wonder if any of your members could help me trace an old friend, Limply Stoke.

He had a G8 call sign but I cannot remember what it was.

I am writing to you because I know Limply was interested in Repeaters. Once he planned to form his own repeater group and build a top band repeater. He intended to use the Penhill mast as a vertical radiator and I believe he had obtained half a dozen old petrol tankers to use as cavity filters. Unfortunately on the night he was going to test his system, his XYL wanted to go to Bingo, so he had to stay at home to look after the cat. That was the last I heard of him.

Somebody told me that a Limply Stoke sometimes writes letters to your magazine.

The Limply I know could hardly read or write but he was talking about going to one of those adult literacy classes.

I would be delighted to hear from my old mate after all this time.

Thanks in anticipation,  
Willy Werkit.

G2SFA.

Try GB3!H they all sound like your friend  
Limply on that box.....

Why do people with Barclaycards never check  
them through W/R?????????????

Holford,  
Avon.

RING  
557732  
BRISTOL

AT YOUR SERVICE FOR HF VHF EQUIPMENT

**UPPINGTON**

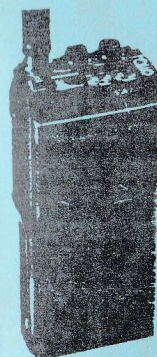
Tele-Radio (BRISTOL) Ltd

LW5/2M

12 14 PENNYWELL ROAD, BRISTOL, BS5 0TJ

**YAESU**

HANDI  
TWIN



**FT203R**

The FT203R is packaged in a lightweight, high-impact plastic case providing comfort and convenience with high durability. The small size is made possible by using chip components installed on the double-sided circuit board by automatic assembly robots.

Three thumbwheel frequency selectors (with 5kHz up button) plus simplex, standard repeater shift. Volume and Squelch controls are located on the top panel along with jacks for the antenna (BNC), channel select microphone and earphone and HI/LO power switch.

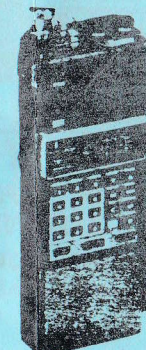
When used with the optional external YH-2 Headset, the internal VOX system provides voice-actuated transmit/receive switching, allowing "hands free" operation when mobile or walking. (As FT209R)

Also included is an S/P.O meter for monitoring of relative power output and relative signal strength. (As FT209R)

The FTE-2 1750 Hz Tone Burst Generator, which is included as standard, can be activated manually by a button on the side of the FT203R. (As FT209R)

A choice of slide-on Ni-Cd packs or case for AA-cells provides the optimum power source for your needs. (As FT209R)

144-146 MHz - 10 KHz (+5 KHz)  
Supply: 5.5 - 13V DC  
IF s: 10.695 - 0.455 MHz  
Selectivity: ± 6KHz @ -6dB (2:1SF)



**FT209R**

The FT209R with two 4-bit CPU's and a lithium backed RAM offers features far beyond anything yet conceived: in a package smaller and lighter than any previous CPU-controlled transceiver.

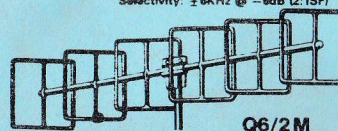
Ten memory channels allow storage of either standard +/- shifts, or independent Tx and Rx frequencies for any split or repeater shift on any channel, with touch-key reverse or simplex on either frequency. Scanning capabilities include step-programmable full or partial band or memory bank scanning, calling channel, select memory of dial, priority, scanning, monitoring, etc.

Battery life is greatly extended over standard squelched monitoring, with a programmable Power Saver which activates the receiver momentarily at programmable intervals.

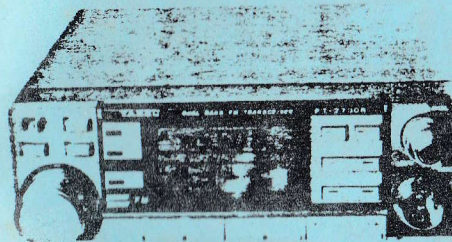
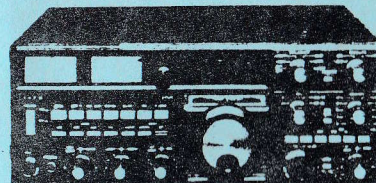
Nineteen soft rubber dual function keys provide greater control than ever, yet operation remains easy: the keypad is carefully arranged, colour-coded, and beeper assisted, most commands are one-touch operations.

Fat 1" LCD digits are complemented by ten memory and nine special function indicators showing status at a glance.

144-146MHz - 25/12.5 KHz  
Supply: 5.0 - 15VDC  
IF s: 10.7 - 0.455 MHz  
Selectivity: ± 7.5 KHz @ -6dB (2:1SF)

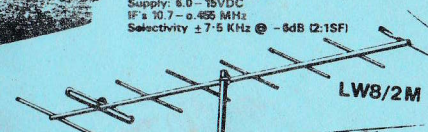


Q6/2M



**2M & 70cm FULL DUPLEX  
FT2700RH**

The FT2700R, virtually two transceivers in one case, is designed to be the ultimate in convenience, for FM mobile or base station operation, on the 144 and 430MHz bands. Using Yaesu's new one piece die-cast aluminium chassis concept, the FT2700R provides 25 Watts continuous output on either band, for full duplex (or simplex!) operation whilst obtaining optimum circuit shielding and efficient heat dissipation.



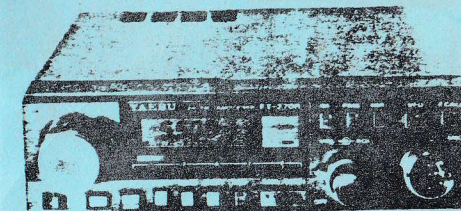
LW8/2M

**FT276R "MULTI-BANDER"**

Synthesised Multimode Base Station  
10W Output on HF, VHF & UHF, Possible Full Duplex! (Crossband, with Option)  
Continuous RF Power Control (0-10W)  
Dual VFO's - Crossband Operation  
Eleven Memories - Mode & Frequency  
LED Display, Dual Meters (S. & P.O.)  
8 Bit Microprocessor Control  
IF Shift/Width System  
129(H) x 334(W) x 315(D) mm **LRI/2M**

**VOICE SYNTHESISER**

For easier and safer 'eyes on the road' mobile operation an optional voice synthesiser (FVS-1) is available to give an audible indication of frequency, memory channels and VFO selections at the touch of a convenient microphone mounted button. The FVS-1 is of course ideal for those with impaired vision.



**45 WATTS OUTPUT  
FT270RH**