

GB3ER:

The original MK1 repeater was re-installed at the site during the summer after very extensive modifications to the O.F.R. unit and within a short time it was apparent that there was a decrease in output from the repeater when the temperature within the hut in which the repeater is housed remained high.

It was decided to leave the repeater for a while to see if it would settle down and as soon as the weather cooled the repeater seemed to stabilise and, although the output power was still lower than when first re-installed, has been working fairly consistently since.

On Sunday 10th, February members of the Group removed the MK1 repeater and installed our reserve MK2 repeater to enable the MK1 to be further modified to increase the drive from the O.F.R. unit to the P.A. stage and to allow the cavities to be realigned as they had drifted slightly.

While the MK2 repeater is on it is working on separate aerials, receiving on the 10 dipoles at the top of the tower and transmitting on a mobile colinear further down the tower.

Access is 1750 Hz tone and there is a 5 minute time out, timer is reset at any time with a further 1750 Hz tone, call sign is sent every 10 minutes, there is no K and no open or closedown callsign, the tx stage is VOX operated after receipt of a valid tone.

Though the performance of the standby repeater is not as good as that of the MK1 we hope that users will appreciate that at least GB3ER is very rarely off the air due to the fact that we have this standby repeater for use when work has to be done on the MK1 machine.

GB3EL:

The 2 metre repeater was installed on site at Havering Atte Bower and switched on in conjunction with the other three London repeaters, SL, NL, and WL and, sad to say, has not been too successful, there was considerable desense of the receiver apparent and after a time the repeater had to be taken off due to hooting. The unit was taken to Dick G3WHR and he spent a considerable amount of time in clearing several different faults from both transmitter and receiver and realigning the duplexer and was then taken back to site and re-installed, once again the results were not good and the unit had to be removed again as it was unusable.

Following a change of the P.A. stage the duplexer was realigned once more and reasonable results obtained on workshop tests however it was found that, due to heating in the cavities from power dissipation, that after a time the characteristics of the duplexer changed and once again desense was apparent.

The duplexer was set in the hot condition and was reinstalled on site on Sunday 10th February by John G3WCO.

Members of the Repeater Group that live in the Romford/Havering area have agreed to get together and to build a complete replacement repeater for GB3EL and we hope that some news on this front will be forthcoming soon, we understand that the basic tx/rx unit has already been obtained together with some cavities and that there is Logic available that may readily be converted to suit.

GB3DA:

As you will see from the enclosed R.S.G.B. Repeater Report our proposal for a 2 metre repeater at Danbury is included in V.H.F. Phase 4 and we are waiting for further information from the R.S.G.B. as to when the Licence may be granted. Members of the Group went to the Site on Sunday 10th February and fixed the aerials for GB3DA to the tower, these consist of four phased dipoles and it is hoped to have the repeater operational on a duplexer tx/rx on these aerials. Our thanks to John G3WCO for obtaining these aerials for us.

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