

DEDICATED TO THE  
ADVANCEMENT OF  
LOW POWER RADIO.  
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**1 SEP 1949**

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 No. I.                                    Q. R. P.                                    Sept. 1949.  
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### EDITORIAL.

I must own to a certain nervousness as I write this for I keep wondering what you chaps are expecting "Q. R. P." to be like. It has not been at all easy reaching this stage from a destitute start and I am far from satisfied with the appearance of No.I., but we shall improve as we grow, and grow we shall, if I can count on your help.

I hope before long to find out those points which are of most interest to you and what you like in the way of layout. Thus I should much appreciate a line (even a p.c.) from all of you expressing your reactions. If you are pleased so shall I be. If you are disappointed I shall be equally pleased to study your criticisms and act upon them if I can.

### OPINION.

Analysing the letters which reached me in reply to my recent "flap" in S.W.N., I find one opinion expressed several times ---- that Q.R.P. receivers are worthwhile only when you can't afford

the big stuff.

Now I do endorse that view if you happen to be (a) a ham, who must obviously be equipped to pick up D.K. reports on his own transmissions, or (b) an S.W.L. who's radio interest centres entirely round card collecting.

But if you are interested in the SCIENCE of radio then I say Q. R. P. is the job. I have a string of arguments in it's favour that would fill this month's quota of "News Sheet" paper, but I'm going to suggest that we hear the other side first.

So come on all ye who hanker after Q. R. O.

Tell us why!

This space is reserved for you next month, so let's hear from you.

### ACTIVITY:

J.P.LAMONT, who is in the services, is busy designing a "kit-bag" Rx. The service man's need of a truly "personal" Rx. is greater than most people's and I feel sure this rig will more than repay the time spent on it's creation.

A.L.F.WEAST is also a service member. He has access to ARS8s and II55s while on duty (and to a '640' at home), but says he still has an urge for a "very personal" portable. You should make a good job of it, O.M., as your other listening will make you critical of Q.R.P. results. Incidentally I have noted your remarks on reflex circuits --- they nearly drove me "nuts" back in 1927, but we may have another bash at that angle in the near future.

3.

A.E. STONESTREET has just completed a super-regen O-V-O covering 100 m/cs to 28 m/cs, and has had most encouraging results. Good luck, Fred, we'll be looking for a full log on I42 from you next month. Fred has been good enough to send me the gen on his circuit which I have sketched out on page 8. It is a modification of a suggestion by "Cathode Ray" in Wireless World.

ARTHUR LOONEY is considering a O-V-O for I42 m/cs. A very fb. ambition, Arthur, and I suggest you have a look at page 8, but if I were you I'd have a basin of 28 m/cs first, O.M., as straight down to I42 seems a bit drastic.

G.E. ATHERALL believes in genuine Q.R.P. ---- two DL35s with 18v H.T. at present (results, he says, are equal to anything he has tried in the 2v/I20v class), and he is now planning a highly portable O-V-O with 9v H.T. Do let us have more gen on this, O.M.

JOSEPH O'HANLIAN of Fife is one of our few "mains" Q.R.P. users and is building a small power pack, ex Gov. surplus. Yes, mains are fb. for a fixed Rx., Joe, but watch your smoothing.

### THE CARTER SHIELD.

Following my tentative suggestion to launch this news sheet I have received more letters of encouragement and proposals of help than I thought possible. But of them all I prize most highly a letter from T.H. Carter of Hawkhurst, Kent. He is an old hand at the Q.R.P. game, having made his first low power Rx. back in the twenties. Now his mode of encouragement has taken a very practical form for he has offered us a suitably inscribed oak shield, approx. 8" x 10", to be presented annually to the

member who has done most (in the opinion of a committee appointed for the purpose) to assist the advancement of Q.R.P. radio during the year.

Chaps, we owe T.H.C. a resounding chorus of thanks. But I feel that he would appreciate, more than mere thanks, the wholehearted efforts of every one of us to worthily win his shield. So let's all get down to Q.R.P. this coming winter methodically, each with an object in view. Let us put aside aimless listening and haphazard reconstruction and adopt instead a schedule and a plan. Very few of the great advances of radio have appeared by accident.

For those who may not have any concrete ideas on these points I shall try, next month, to be less florid and more to the point in an article headed "Planning For Results."

#### D. X. LOGS.

A.E.STONESTREET (Willesden Green) tells me his log now shows I777 ham stations, including such prefixes as C, CE, CN8, CO, CP, CT, CX, EL, EK, FA, HH, HK, LU, OX, PY, VE, VK, VO, VP9, VU2, ZBI, ZB2, ZC6, and K2UN, not to mention III W's. The Rx. for these, which are all on I<sup>4</sup> m/cs, is a O-V-I. As mentioned elsewhere Fred is also getting his new O-V-O super sorted out and so far has heard 28 stations on the IO metre band, including MF2AA, PYIJU, ZSIEK, and 4X4AA who announced himself as "The Great White Chief Of The Israel Radio Society"! The rig has already proved itself on 2 metres by bringing in G4KH calling CQ 2.

R.S.MURRAY (St. Andrews), with only .4 watts into his O-V-I has heard KP4BI, KP4CJ and VP9WW on I4 m/cs.

S.BEHRELL (York) is at present using a I-V-2 which sounds a shade heavy for Q.R.P. (what is your H.T. wattage, O.M.?), but his log is such an excellent example of concise detail that I'm quoting it in full:

- 2.8.49: At 22.45 only KP4BI as D.X.
- 3.8.49: Bad night for D.X. Nothing to note.
- 4.8.49: High speed flutter. Bad D.X.
- 5.8.49: CX2CO, PY4BU, PY6CO, 4X4AA, PY2CK.
- 6.8.49: Poor D.X. ZBIAU, PY6CO, OKIRW, LU6AJ.
- 7.8.49: A bit of short skip. G3s and G2s at 18.55, then PY7EE, LU6AJ, and an HC? station.
- 8.8.49: PY's, CX2CO. Poor D.X.
- 9.8.49: PY4XI, LU6AJ, PY6CO, KP4BI, LU4BB.
- 10.8.49: UA3? not identified. KP4BI again and HI6EC. Fair D.X.
- 11.8.49: VP4TAR, VP6IS, VP3JF (fixed portable), HC7KD, VK5NW, VP4TB, KP4JF, KP4BI.

S.B. says: "So you see what I mean, old man, the good does come along IF you wait for it. I may add that all my work is on the I4 m/cs band, the only real D.X. band for me. My latest Q.S.L. cards to hand are from VP4TB, KP4AZ, EI3W, HI6EC, C7TY., received this last week or two. My antenna is a twin inverted L -- E. and W., approx. 20 ft. high and each leg about 35ft. long including lead in."

Well. O.M's, if we could get more logs like that (giving a short note for each listening period, even if it's only to say "Bad night. No D.X.") we might be able to build up some really useful records.

I know that such a log would raise an atomic explosion in the offices of the big radio periodicals (where PRUNING is the pass word) but I think that as soon as you start this pruning the real value of the log has gone. I believe that the obvious value of such a detailed record is worth an effort to surmount the few editorial difficulties entailed.

### GEAR-CHANGE.

Sorry for the heading, O.M's, but it was tempting!

If anyone has any gear to sell, swap, give away, or just ditch, let's have a note of it. Some other member might be after just that item.

This month there's only one offer, and it's far from Q.R.P. But WHAT an offer! ----

One brand new HAMBANDER, still under maker's guarantee (only received from them 2I.2. 49). Five bands (switched), covering 1.7 to 32 m/cs, and ALL the trimmings, including separate matching L/S. There's no catch about this snip and the owner isn't nuts ---- he wants to go Q.R.P. again! Any offers to: D.W.Young, 92 Alverstone Rd., Milton, Portsmouth.

### FUTURE ITEMS.

Sorry we haven't got a full technical article this month, O.M's, but the pressure of getting out No. 1 has been pretty heavy. I shall have got my second wind in the next issue

or so and will then make amends. Several request items are already receiving attention, but much of the gen in future issues depends upon yourselves, so let me get plenty of copy. Don't forget that anything that interests you MUST interest others and, as we can't possibly get together for a chin-wag, our only hope is to meet in the news sheet.

It's up to you.

In future issues I'm hoping to run, as regular items: OPINION. ACTIVITY. D.X. LOGS. GEAR-CHANGE. HINTS. Q. R. P. IN W. (notes from a low power receiver enthusiast in the States). MATTERS ARISING (correspondance respecting items in previous issues) PERSONALITIES (brief accounts of members radio experiences and equipment. RIG OF THE MONTH (describing an outstanding item of Q.R.P. gear). And, if you want it, a specially designed Q.R.P. D.X. ladder. What say, C.E.'s? whenever possible, of course, an article of technical interest will take pride of place.

I shall endeavour to get "Q. R. P." to you during the first week in each month, because, from my own experience, that is the time I'm hardest up for radio literature, and I expect you all find it the same, with "W.W.", "S.W.N.", "S.W.Mag." and all the others flopping onto the mat around the middle of the month.

So this means that FOR THE OCTOBER ISSUE MATERIAL MUST REACH ME BY THE 17th. (OF SEPT).



O-V-O FOR 142 m/cs.

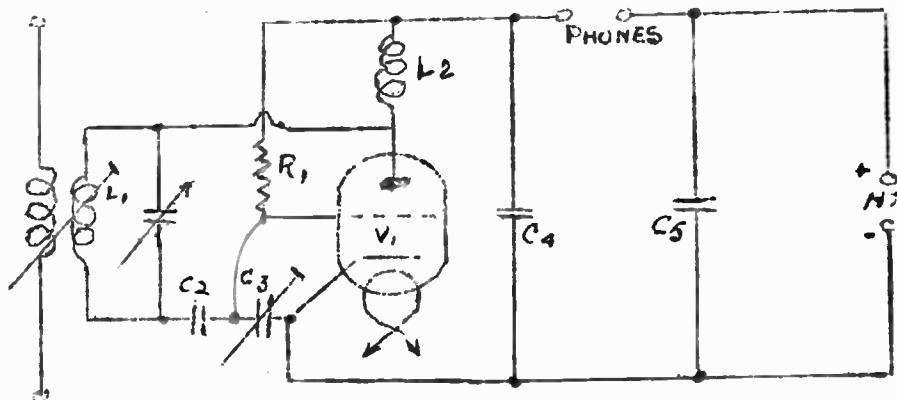
It is not often that a circuit published in a radio journal is accompanied by actual test reports, and as often as not one has to take it on trust that the thing will work at all. In the case of this rig, however, it has already wormed it's way into our D.X. LOGS and is obviously efficient enough to be a very noteworthy circuit.

Values are:

L1, I2 turns, I8s.w.g., 2cm. dia., 3.5cm. long.  
C1, 20 pF., C2, 25 pF., C3, 20 pF., preset.  
C4, 0.005 uF C5, 2.0 uF. R1, 8.0 meg.  
H.T., 120v. L.T., 6v (lantern battery)

Antenna, 4ft. rod.

Note that neither side of C1 is at E. potential and this capacitor must therefore be insulated from panel and chassis.



## THE Q R P RESEARCH GROUP.

The basic OBJECT of the Group is to encourage research into all branches of low power short wave radio technique, such research being carried out by members in their own homes wherever they may live. The provision of CONTINUOUS CONTACT among members will be achieved by the detailed recording of all experimental activity, month by month in "Q R P". Such a set up calls for a highly developed "team spirit", entailing the full sharing of all successes and failures without reserve. It will mean working as one integral body, as though we, who are spread out across the length and breadth of the country, were in fact sharing a single shack.

At an early date an honorary TECHNICAL ADVISER will be appointed and his experience and advice will at all times be available to members through "Q R P".

There will also be formed a RESEARCH COUNCIL for the guidance of Group activities as a whole.

Among the services which it is at present proposed to offer, and which will be extended and added to from time to time, are such items as :--

A LIBRARY of technical books, pamphlets and manuals will be accumulated at "Q R P" headquarters as soon as possible, and available titles will be published in that journal periodically. Such literature will be sent to members on loan at minimum charges (to be announced in "Q R P") calculated to cover purchase costs and postage.

The Council will take over responsibility for the annual presentation of THE CARTER SHIELD, a trophy which we believe will be highly coveted in a few years time. This shield will be presented to the member who (in the opinion of the Council) has done most during the year to assist in the advancement of QRP radio, and the winner's name will be inscribed upon it each year before presentation.

In conjunction with "Q R P" DATA BOOKS will be produced from time to time, covering (a) a variety of practical aspects of the Group's activities, and (b) a number of theoretical subjects by which it is hoped to give the less experienced members that extra "insight" which will enable them to gain increased pleasure and value from their activities.

It is intended to draw up a standard form for Dx LOG REPORTS which will make such reports of real value as a useful source of reference,

Another service which, though it may take some time to achieve and bring to a fully working basis, is felt to be really essential is the acquisition of accurate TEST EQUIPMENT against which member's gear may be checked, aligned and tested. Again charges, wherever possible will be based on postage only.

MEMBERSHIP will, at the outset, be open to any QRP enthusiast who possesses the gear, the ability and the incentive to carry out experiments and THE WILLINGNESS TO REPORT SUCH ACTIVITY. It is essential that reports should be full and REGULAR, no matter if they describe a conclusive result or intermediate progress towards an objective. It is entirely upon the regular publication of such reports in "Q R P" that the success or failure of the Group depends.

ASSOCIATE MEMBERSHIP is open to all SWLs who have sufficient interest in QRP activities to subscribe to "Q R P", but who for any reason (be it lack of equipment, experience, or interest in other forms of QRP activity) do not feel themselves covered by the qualifications of full membership.

"Q R P", which will become the OFFICIAL ORGAN of the Group, will continue to cost members only 5/- annual subscription. Remember it is the world's only journal devoted exclusively to the interests of Low Power radio technique.

It is your enthusiasm, not your money that we want you to subscribe and there will be no charges for membership other than your subscription to "Q R P" without which it would be difficult to keep in touch with the Group.

The Group is in it's infancy now, but remember a Latin phrase, "CRESCIT FUNDO" -- it means "It grows as it goes".