



**JOURNAL OF THE
Q R P SOCIETY**

Q R P

ISSUE 71

JOURNAL OF THE Q R P SOCIETY

NOVEMBER 1955

AFFILIATED TO THE R. S. G. B.

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THE ONLY SOCIETY IN THE WORLD CATERING EXCLUSIVELY
FOR THE LOW POWER AMATEUR RADIO ENTHUSIAST.

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x-x-x-x-x-x-x-x-x-x P. A. R. E. C. -- -- RESULTS x-x-x-x-x-x-x-x-x-x

FIRST:- John J. Yeend, G3CGD, 30 St Lukes Road, Cheltenham.
SECOND:- Victor Brand, G3JNB, 137 Surbiton Hill Park, Surbiton.
THIRD:- Guy B. Moser, G3HMR, 6 Hodge Howe, Windermere.

John Yeend undoubtedly swept the board with the entry of his outstanding Transmitter and Receiver which was built for use in RSGB Field Day events. It is already known to many enthusiasts through the description published in the Bulletin of September 1954. The full details of the most excellent rig will form one of the early items in our new "QFP Handbook" sheets. The prize which has already been despatched to '3CGD comprises a credit note for £2.0.0 donated by Messrs Southern Radio of Salisbury, a 12 months subscription to The Radio Constructor and a set of Panel-Sign Transfers donated by Data Publications Ltd.

Second prize was won by Vic Brand for his neat little one valve transmitter using a 6C4 and fully band-switched for 160, 80 and 40 and measuring 3" x 3½" x 10". The prize consists of a credit note to the value of £1.0.0 presented by The Teletron Co Ltd, and a copy of Data Book No 6 and a set of Panel-Sign Transfers given by Data Publications Ltd.

Third prize went to Guy Moser for his crystal check oscillator, nicknamed "The Callipipper", and consisted of a 12 months subscription to The Radio Constructor and a set of Panel-Sign Transfers presented by Data Publications Ltd.

Most sincere thanks are due to
MESSRS SOUTHERN RADIO OF SALISBURY,
THE TELETRON CO LTD, and
DATA PUBLICATIONS LTD

who have combined in this most generous way to provide the prizes for

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for this contest. We feel that such a gesture is worthy of full recognition. Dubious dealings by some sections of the radio trade catering specifically for the amateur have engendered a none too clement reputation, and the unsolicited action of these three concerns is noteworthy in demonstrating that at least some traders still have a genuine interest in the welfare of the radio amateur. To Data Publications Ltd, as publishers of The Radio Constructor, a further debt of thanks is due for their willing cooperation in the capacity of unbiased adjudicators of the contest.

We have the special certificates for each of the winners in course of preparation and these will be despatched as soon as they are ready.

x-x-x-x-x-x-x-x Q. R. P. & THE NEW HANDBOOK SHEETS x-x-x-x-x-x-x-x-x

You will all have noticed the reference last month to the proposed new format of our monthly journal. Many of you have given us the encouragement of a letter expressing your approval of the move. For myself, I feel that it is long overdue and I deeply regret the years that we have wasted without such a scheme -- had we instituted it at the start our senior members would, by now, be in possession of a manual of some 200 pages. We will do our utmost to regain this lost time, but the production of extra paperwork in any form is governed by the finances available for the purchase of the necessary materials. It is doubtful, therefore, if we shall be able to increase our normal quota of "pages per month" very greatly.

What is this scheme?

Well, we feel that it is an idea of such importance that it is worth publicising at the expense of the next page. We feel, indeed, that it may well prove to be the most valuable task which this Society will ever be able to undertake.

Briefly the plan is as follows:--

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That all technical matter, constructional, theoretical or experimental, which may be of use for members to refer back to at any future date, shall be produced on separate sheets, sent with but not attached to the magazine. The sheets will be foolscap size and perforated for filing; each will be numbered according to a system which has been very carefully worked out so that they will automatically fall into their correct sequence in the file even though they may not be published in consecutive order -- a system which will mean that every member will have his file in identical sequence so that Jock McSmith in Glasgow can write to his brother in Australia and say "I found the hint given in 10/3/4a line 12 worked fb but I don't think much of the idea on 7/2/1b."

The material to be put out in this scheme will be carefully selected and, so far as possible anything which can as easily be found in the general run of text books will be excluded. The aim is to produce a reference book which is of unique and really valuable use to the QRP enthusiast in particular and the radio amateur in general.

We believe that nothing of the kind has ever been attempted before, and we feel that at last we are offering our members a service far in advance of anything which they have been able to gain from their membership of the Society before. The accumulation of a highly specialized handbook which may always be kept up to date by amendments and additions (all immediately assembled in the correct place in the file by virtue of the code system mentioned above) will be something which should make membership of the QRP Society a very notable asset.

A further advantage is that members joining at any time after the commencement of the scheme will be able to obtain all or any part of the handbook sheets then published.

One snag only is evident. Being unable to increase our monthly quota of paper we must resort to reducing the size of the "mag" itself by an equivalent amount (one foolscap sheet - two pages - equals four magazine size pages). This we are hoping to assist by dispensing with old blue cover and (from next month) using the inside front and back pages for text. Actually there will be no loss in reading space at all.

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SOCIETY NEWS & ACTIVITY

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W. WRAIGHT (Ashford, Kent) completed a copy of the Huntsman O-V-2 and was in the process of ironing out the "teething troubles" when his power pack "blew" which was extremely bad luck. W.W. is also interested in the Medresco Deaf-aids (Proops, 27/6) and is anxious to know the possibilities of conversion to SW reception. (Have not had personal experience with them, OM, but I would suggest that they would be OK for local work down to 14 Mc/s or thereabouts. Should not bank on them for any kind of Dx work though).

GEORGE PARTRIDGE, G3CED (Broadstairs) is now TVI proofed on CW, fone and WBFM on 160, 80 and 40 metres and probably also on 20.

E. BRIDGWATER (Aberley, Worcs) is in digs and is finding that a lack of time very difficult to work in with the hobby. He hopes to be able to spend some of his winter evenings constructing a new Rx, however, and foresees a lot of experimenting with invisible-to-the-land-lady antennae.

G.H.M. YULE, G3IED (Neasden, NW 10) has not managed as much CW working recently as his enthusiasm would dictate. He is hoping to make a transceiver on the lines described in SWM for Sept and promises to keep us informed of progress.

ALAN R. WILLIAMS (Chelmsford) is hoping for his ticket to come through before the end of the year (Congrats, OM, and very best luck). In almost the same "breath" he says he is determined to do something in support of Two -- we wonder if there may be any connection? Alan very sensibly points out that "Bob Iball's Top Band report would be of far greater use if distances were stated". ARE YOU THERE, BOB?--Wonder if this could be managed?

PETER WILKES (Bourne, Lincs) has given up much of his listening time lately to construction and studying for the RAE. He has an 1155 in process of full conversion (almost an entire rebuild), is interested in the Huntsman O-V-2 and has the Joe Stephenson 1-V-1 well on the way

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to completion. Peter is giving much thought to the QRP super-het question, both normal 4 valve and reflex with Westectors (We feel quite strongly here, Peter, that if the limit is 4 valves then a really GOOD TRF job will more than hold its own. The gen on the Huntsman O-V-2 will be one of the earliest reprints in the new Handbook Sheet scheme, Peter if you can wait that long?)

HARRY WELLS, G3JZQ (Waltham Cross) has resigned from the Society after some four years with us owing to lack of spare time. (We are more than sorry to loose you, Harry, and we do ask you to remember that a warm welcome will be yours should you ever reverse your decision).

JOE STEPHENSON (Shipley, Yorks) has made a nice improvement in his 21 Mc/s score for the C-Z and finds the super-het a good Rx for that band, though he still prefers the TRF (1-V-1) for all the others. Joe is situated bang in the bottom of a valley and he feels that this location will not be too good for VHF, but he is interested in all the other bands.

CLIFF LEAL, G3ISX (Welling, Kent) only managed three hours in the North Kent R.S. contest (2nd to 8th Oct) out of a possible seven, but he had 12 QSOs (8 counties). He has noticed that "the local QRM factory (cinema neon sign) has now made its appearance on Top Band -- it would seem that it is now licensed for all bands"! Cliff would like to hear from any member using a Tx with a VFO fundamental higher than 7 Mc/s (ie, 14 or 28 Mc/s) as he has done some work in this direction and would like to swap ideas.

J. McMANUS, G3KKA (Thame, Oxon) has at last managed to establish the shack in a corner of the bedroom. He has put his QRO gear up for sale in the columns of the Bull and has commenced work on a 1 watt Tx (QST, Jan 1949) using a 1S4. He also has plans for a 5 watt Tx using a 6K8. Mac finds coil designing the most troublesome job, as when he made the coils for his wavemeter on 1½" dia formers to cover 3.5. He says they worked " a treat, but on 7 Mc/s!" (No, don't admit defeat by buying tailor made ones, Mac -- you'd never forgive yourself really!)

NORMAN BASON (Pael, I.O.M.) has been doing a lot of research in crystal circuitry, from the legendary "permator" and silicon diode to the almost equally extinct germanium diode. He says that results so surprised him that he went on to try the addition of a valve, first "fore" then "aft" and finally in reflex. (I wonder if you tried two crystals in push-pull, OM? Results are outstandingly better than with the one Xtal both for sig strength and selectivity. As a matter of interest will send you on the gen when I have finished this issue.)

ALLAN HERRIDGE, G3IDG (Balham, SW 12) has been down on ten lately and has collected QSOs with WLLVH (569), K3CWJ (559) and ZC4FF (559). For ten watts or less Allan now has 24 countries worked and 20 confirmed. He has also been looking out for U.S. novices on 21 Mc/s -- they use WN and KN prefixes with a max of 60 watts crystal controlled between 21100 and 21250 Kc/s. Allan suggests that our SWLs could do a useful job reporting them.

GUY MOSER, G3HMR (Windermere) has added 30 ft of top to his antenna to form an almost perfect L, the overall length being 66 ft. But still he has not managed to raise a continental and he is wondering if Monty is ever on 80 in the mornings around 07³⁰.

"DECK" GARRARD (Ipswich) has put away the shovel and dibber and come indoors to start his winter session. A new rig has joined the old O-V-O -- a couple of EF50s in O-V-1, and they seem to be thriving on all bands from 80 up to 10. The 75' long wire remains unchanged as it has proved efficient on all bands. (Should be interested to have gen on the O-V-1, Deck, am playing with two EF50s here at the moment!)

KENNETH JONES, G2FQW (Worthing) is a genuine QRP enthusiast, Tx AND Rx -- the Tx is a single 3D6 CO on 1875 and 1915 Kc/s loading 20mA at 100 volts; the Rx is a 1-V-2 (1T4/1T4/1S5/3D6) with 75v HT, and the antenna a quarter wave in the loft in the form of a 2 turn coil, series tuned (which also works half wave on 3.5 when directly connected to the anode coil). So far only local stns have been worked and Ken finds the south coast QRM (shipping and Niton) very swamping to his QRPP sigs.

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"MONTY" BANKS, GC2CNC (Jersey), when last heard of was shinning up a tree trailing 250 feet of wire for a special Kaleveld Cup antenna. He anticipated working 14 megs exclusively. It is a great pity that he has had to cancel his plans to come over for the RSGB Exhibition and FOC dinner -- we had been looking forward to high old time here at HQ with him, but there you are -- some people WILL let their work interfere with play!

C.E.GAUNT, (Folkestone) who, as we mentioned in the Sept issue, has had a really rough passage with a series of very severe illnesses, has been back on the sick list with bronchial pneumonia. But he is not going to be beaten and during his short spell out of bed he finished off the O-V-1 discussed before. Now he is planning mods to lighten it as soon as he is up again. (We do wish you better health, OM!)

BOB IBALL (Langold, Worksop) made a most impressive job of reporting the North Kent R. S. contest and the boys down there were full of praise for his detailed efforts. Bob, by the way, would like to arrange a sked with !3KCN. He mentions also that brother Bill is going to school this winter "to learn Radio and polish up his code".

DOUG McCAIN, W9UKG (Delphi, Indiana) comes in with a most interesting long letter that proves him to be a real QRP-bitten type. His shack boasts a 500 watter but 80% of the time he is winking a signal out with 5 watts on his QRP rig (300 QSOs with 57 countries since this spring). He is most proud of an S7 report from W1AW (725 miles) when he was using an input of $\frac{1}{4}$ watt (output .01w) on 14 Mc/s with a 3-el beam. On the subject of W-QRP he says that "Its like whistling into a windstorm to jump in with my little pipsqueak, but usually after about 25 calls I can raise some Dx, even if it is only KH6 which is the easiest most prevalent Dx here." His QRP rig started to be the exciter for a "super-duper, all-band, kilowatt final" but it is not likely to get beyond its present state now (No, we HAVE NOT been bored with your letter, Doug -- we should like to have one the same every month! What about it? You'll probably get bored with writing before we shall with reading them!)

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STRAIGHT FROM THE STATES ::::::::::::::: REPORTED BY BUD RUGEL, WØPRM

This month we have two new members to welcome into the QRP SOCIETY -- Bob Ritz, W7UUZ, and Bob Heroux, W9SQP. Bob, '7UUZ, is an electrical engineer with the Motorola Corp and is quite active with transistor circuits on 80 metres and speaks of a HF 1 watt input TTX. Think Roger, G3JAL, will have more complete information on W7UUZ's station.

Bob Heroux, '9SQP, has been active on 20 CW with 6 watts and has worked G3GBH with this set-up. Hope to have more about this in next month's column.

My thanks to Bill Iball who sends a list of WØ stations heard on 15 CW, which includes two reports on WØPRM. Bill tells of looking forward to the W/VE Trans-Atlantic Tests on 160 metres this coming season. Last season he logged WØINWK on this band.

Thanks also to Trav, G2HAW, for nice letter in which he says he has been working W1,2,3,5 and Ø on 21.060 Kc/s CW with only 5 watts input! Also worked VQ4SS on this band.

Allan, G3IDG, writes to tell he has worked his first W on 10 CW. Congratulations, Allan!

Recent 15 metre CW contacts at WØPRM -- FØ8AJ, ZB1AY, FA8RJ, HA5KBA, 9S4AX, YULAD, DL, G, GW, GD, F, SM, I1 and HB9. Also nice phone contact with EI6A.

November "CQ" reports: SULIC in Giza puts out a potent QRP sig-. Ex-ZS1PD is now in a new QTH in Rhodesia and will be on with a 10 watt battery powered Tx. WØQGI, Lloyd, is now up to 122 countries worked with his 2E26 final!

73 till next month, Bud, WØPRM.

(ED: Have also had interesting letter from Jim Hill of Lansing, Michigan who is expecting his Novice License shortly and is interested in joining the Society. We have also had the letter direct from Doug McCain, W9UKG, which we mentioned in the News column. Thanks to you all for your interest, OMs. Nice to see our G members writing to Bud, too).

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.....: THE C - Z CONTEST :.....

The Partridge Cup which was presented to the Society by G3CED (and is at present held by Peter Huntsman) is awarded each year to the member who submits the highest annual score of countries and zones heard on 5 bands with receivers of not more than 1½ watts HT consumption. A country or zone heard on more than one band may be counted once only in the total.

We regret having run completely off the rails last month in the matter of D.G.Gordon's score -- it looks as if we credited him with a set of figures belonging to someone else entirely! Sorry, Derek!

	Mc/s: --	<u>3.5</u>	<u>7</u>	<u>14</u>	<u>21</u>	<u>28</u>	<u>Countries</u>	<u>Zones</u>	<u>Total</u>
Norman Bason - - - - -	15	40	142	38	5	147	36	183	
Ted Stonestreet - - - - -	19	37	122	-	-	135	34	169	
E.W.Gardiner - - - - -	19	9	98	35	7	122	31	153	
Keith Ranger - - - - -	-	59	99	-	-	106	28	134	
Joe Stephenson - - - - -	17	2	96	39	-	102	28	130	
Mack McIntosh - - - - -	20	27	72	-	-	72	26	98	
Peter Huntsman - - - - -	-	-	36	-	-	36	17	53	

THE MONTH OF TOP BAND :.....: REPORTED BY BOB IBALL

Turning the pages of my log book back to Oct 9th I note that G2ACZ/M at Goole (Yorks) was heard at 1054 GMT. Here is the log for that date -- DAYLIGHT Dx! -- 1054, G2ACZ/M (Goole); 1105, G3HLX; 1121, G3KAL (Windsor); 1155, G3GIL (Hartlepoons); 1153, G3GDH (Sheerness); 1305 G8QU (London); 1307, G2HAJ (Southampton) and G3CMJ (Salisbury?); 1308, G3BF (Worthing).

October 10th: Found condx good between 1825 and 1910 GMT but QRM very heavy. G3JVR (Queensboro), G3KLP (Hexham) G3KOM (Ilford), G3IV (Sunderland), GW2CUT (Ebbw Vale), GM3AUD (Avoch), GM3KJD, GW3KHY (Llanon,

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TRANSISTOR GROUP NEWS ::::::::::: REPORTED BY ROGER TAYLOR, G3JAL

A slight but pleasant improvement this month! -- "Bud" Rugel, WØPRM, sends a nice letter in which he says that he is interested in transistors but is too busy at the moment, which I quite believe after reading of his activities. He forwards a letter from BOB RITZ, W7UUZ, to whom we extend a big welcome. He has a 2.5 mW TTX at present (a snap of which he enclosed) -- we should like to have more details of this one, Bob! Future plans include a 1 watt TTX (real QRO stuff, this!) and an all transistor ham band superhet. Your Reporter is back on 1880 Kc/s CW and hopes to have a TTX going shortly. Finally, SWLs -- keep your phones open for TTX stations. Transmitters, PLEASE QSL useful reports. Letters & PCs to 67 Colliers Water Lane, Thornton Heath Surrey ,73, Bob

V - H - F GROUP NEWS ::::::::::: REPORTED BY TED STONESTREET

GEORGE STICKES (The Old Faithful Die-hard SWL of VHF) reports that condx on Two are not very good with only a handful of suns to report -- G2ACK, G3OX, G3FSD, G3DF, G8BC (a newcomer to VHF with plenty of punch), G6TA, G6OX, G2AHP, G2ABD, G2FVD, G2BMI and G5KW. New arrivals noted were G2RD, G2ACK, G5LN and G5BC. George was using his "Cusdin Special" Rx.

That is the only actual report this month, but there have been a few letters promising increased interest in the near future.

For myself, I have made one or two mods to the rig that has been such a reliable hack since 1948, but it won't take kindly to changes & so will have to stay QRT (for the second time in 6 years) until I can get a new EC5

Don't forget the address for VHF reports:-- 29 Chaplin Road, Willesden Green, London, NW 2. 73, Ted Stonestreet.

(ED:-- Watch the new Practical Reference Sheets - we shall have some really good gen for the VHF boys early in the New Year and do remember that condx will not always be as poor as they have been!)

.....: Q R P SPARES SERVICE :.....

DO NOT SEND MONEY WITH YOUR ENQUIRY -- send a PLAIN stamped envelope to George Partridge, G3CED, 17 Ethel Road, Broadstairs, Kent.

F O R S A L E :--

Q R P Tx BARGAINS.

- (1)...58 set. Canadian Fone Tx/Rx with phones, mike and 2v vibrator.
£3 - 10 - 0
- (2)...40 metre Command set Conversion Tx (2 x 1625s in PA).
£2 - 0 - 0
- (3)...160 metre Command set Conversion Tx (12A6 VFO stab/12A6 BA/
1625 PA)
£2 - 0 - 0
- (4)...2 metre Rx adaptor, £0 - 10 - 0
- (5)...All band Tx (ECO/PA)-- ex ILFORD MFD Tx --Coils for 80, 40 and 20 metres. Fully metered and fused. 72 ohms feed to dipole. RF indication in both legs. All components are heavy duty and will take QRO if exbsting TT1s are changed for 807s. A REAL SNIP
£5 - 10 - 0
- (6)...Universal Avominor in leather sling case, £3 - 10 - 0

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Q R P at the R S G B Exhibition..... KALEVELD CUP results.....

PERSONAL PORTRAIT No 1..... Society & Group News Items etc, etc.

AND IN THE PRACTICAL REFERENCE SHEETS :--

The John J. Yeend QRP Tx/Rx which won our own PAREC as reported in this issue AND ALSO WON THE R S G B LOW POWER FIELD DAY CONTEST