

**JOURNAL OF THE  
Q R P  
RESEARCH SOCIETY**

EDITED BY: - J. WHITEHEAD  
THE RETREAT, RYDENS AVENUE  
WALTON-ON-THAMES, SURREY  
Telephone: - - WALTON 1619



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JOURNAL OF THE  
Q R P SOCIETY

ISSUE No 60  
SIXTH YEAR  
NOVEMBER 1954

.....:Published in the last week of each month.....

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HON-SECRETARY, TREASURER, EDITOR: John Whitehead, 92 Rydens Avenue,  
Walton-on-Thames, Surrey. (Phone - Walton 1619)

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Deadline for publication in the next issue is the 12th of next month

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.....: OUR EXHIBITION REPORT .....

I do wish that more of you could have been with us on October 30th to have shared our afternoon of interest and pleasure. Over 360 amateurs and their friends came along -- and what amazing distances some travelled! Our visitors book shows such addresses as Basingstoke, Reading, Beckenham, Worthing, Dagenham, Alton, Chelmsford, Ramsgate and -- yes, even Wales!

For a first attempt, and in a town which is not predominantly radio minded, there can be no question that we scored a wholesale success. Nor can there be any doubt that the outstanding display of the afternoon was the intangible one of "Ham Spirit" being dispensed far & wide throughout the gathering. Only I, as the chief culprit behind the organization, can assess the amount of willing help that was forthcoming, unstinted and often unexpectedly -- it was overwhelming!

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The exhibition was officially opened by the President of the Radio Society of Great Britain, the ceremony being reproduced on the screens of the two television monitors in the hall. Throughout the whole afternoon the British Amateur Television Club members put up a very fine and completely trouble-free show to the intense interest of the many members of the local public who were seeing "the other end" of TV for the first time. Only the select few who were in the hall before and after the exhibition, however, were privileged to see the piece de resistance of the BATC boys -- the speedy precision of their team work in the erection and dismantling of their gear!

QRP station, G3JNB/A, also worked almost continuously throughout the afternoon and Victor Brand was rewarded with some excellent reports on the 2 watt phone signals which he put out. Phone had to be used all the time, of course, for the edification of the many non-radio visitors though, I believe, Vic did manage a few short spells of CW when no one was "looking". Considering that the whole station down to its last plug and socket had been transported from its normal home in Kingston, and that Vic had not been able to re-assemble any of it in its temporary surroundings until after eight on the morning of the exhibition, it was indeed a most creditable performance that he put up and he really does deserve our most sincere thanks for the great effort that he put into it.

For the more technically minded visitor the stand in the hands of Frank Hicks-Arnold, G6MB, provided a great deal of interest. The centre piece here was a wave form generator linked with an oscilloscope and speaker to give both visual and sound displays of wave and frequency variations. There were also samples of "printed" circuitry which attracted much attention and caused a good deal of dismay at the thought of home construction in the future.

G6MB also deserves our most sincere thanks for making it possible to put over the RAEN demonstration, for he put at their disposal his entire home station at "Sixty-Four" Garrick Close, Walton for use as a

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fixed station in their link between walkie-talkies, mobile van, fixed station and the central station in the hall. It was most unfortunate that a series of accidents befell the RAEN gear which made it very difficult for them to carry out their schedules. Moreover, like G3JNB/A they suffered from the very heavy QRM set up by several electronic exhibits in the hall and also by the TV boys. A programme had been set out beforehand which should have given each exhibit a period of QRM free working, but when it came to the time it proved difficult to maintain, especially in the case of the RAEN for fear that, in the critical moment, they lost contact with their walkie-talkies who were situated down by the river at the scene of the specially arranged flood disaster.

No trouble was experienced in keeping the International Radio Control of Models Society to schedule, however, and their demonstrations of the Churchill Tank were so successful that an extra programme was laid on in the evening. There is no doubt that the Tank proved to be the most popular exhibit of all -- fascinating to the casual visitor as a spectacle, and fascinating to the initiated as a masterpiece of radio and model engineering. The Tank, which is 1/6 full scale and weighs  $2\frac{1}{2}$  cwt, is controlled by one frequency in the 27 Mc/s band (will also operate on 465 Mc/s) and the operational sequence is sorted out at the Rx end. It has three speeds forward and reverse, start, stop & turn both ways, rotates the turret, fires the gun, sounds a horn, picks up land mines using the rear derrick and deposits them in a "pond", and it proved to have extremely accurate aim with its flame throwers. Unfortunately the hall was too small to permit demonstrations of the other operations which it will carry out, such as the laying of a 6 ft bridge, putting up a smoke screen, climbing a 1 in 3 hill. The accuracy of steering was, however, well demonstrated despite anything but ideal conditions. Our very sincere thanks to Mr Tamplin (it took him 5000 hrs to build) and to Mr Martin for their very fine contribution to our exhibition.

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The demonstrations of the new "5 - 10" amplifier, put on by Messrs Mullard, also proved an outstanding attraction, being repeated each hour to a "full house" on every occasion. There is no doubt that this amplifier, intended for home construction, gives magnificently high quality reproduction both of records and radio. We, ourselves, formed the opinion that the quality was in advance of any Williamson that we had heard while, constructionally, the "5 - 10" is much more simple and considerably cheaper. A most complete and explicit handbook is available from Mullards giving very full constructional details (including the winding of the necessary transformers) for 2/6.

The only "periodicals" display at the exhibition, Messrs Data Publications Ltd, had a very busy time and we want to offer our thanks to member David Welsh for his continued enthusiasm in manning the stand throughout the entire afternoon. He was able, at a very early hour, to report "sold out" so far as back numbers of Radio Constructor were concerned, and he continued to do fine business right up to--and, in fact, even after official closing time with sales of booklets and of the very excellent "Panel-Signs" transfers for radio and test equipment.

Messrs Proops Bros of 52 Tottenham Court Road still further enhanced their already enviable reputation among amateurs for giving the highest possible value-for-money and they sold out of one or two lines early in the afternoon. Great interest was shown in "Medresco" Deaf-aid which they are offering at 27/6 and which obviously offer a variety of conversion possibilities.

To Messrs Proops also we tender our warmest thanks for so generously donating three very fine prizes for a raffle which raised a very substantial sum towards the funds of the local charity to which all our profits were given. We understand that Messrs Proops have a mail order catalogue in course of preparation and we can assure any of our members that they can be certain of a square deal from this firm -- we should not otherwise have asked them to take part in our exhibition.

We cannot close this report of our first "QRP Society" Exhibition

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without registering our thanks to all these members and friends who put in such very fine work "behind the scenes". Each of these items formed a link without which the exhibition could not have taken place, and yet none of them were apparent to those who payed us a visit. There was the valuable advice and constructive criticism offered by G6MB at all hours of the day and night before the "great occasion" -- he never grouched even when he was disturbed in the middle of a meal to sort out some suddenly arisen "panic". There was the valiant effort of David Welsh in scaling the church tower and numerous trees to get an effective antenna erected for G3JNB/A. There was the very generous provision of unlimited transport, all at their own expense, by Messrs Gerrald Alderman, George Noel and Peter Williams. And there were a dozen other similar examples of wholehearted cooperation "just for the fun of the thing" which someone in the early days of radio christened "The Ham Spirit".

All I can say to these people -- to everyone who helped in any way at all -- is THANK YOU, YOU MADE MY TASK AN EASY ONE AND, MUCH MORE IMPORTANT, YOU HELPED TO MAKE OUR EXHIBITION A REAL SUCCESS.

..... SOCIETY NEWS & ACTIVITY .....

PETER HANSEN, OZ5U, tried very hard to contact the exhibition stn, G3JNB/A, but no joy. Perhaps the QRM at this end was too much for your sigs, OM! Peter now has a 40 ft long wire with his old Collins coupler, and is using two transmitters -- an ECO/PA with 10 watts max on 20, 40 & 80 in addition to his old CO-ECO/PA with 25 watts max. He asks me to QSP 73 to all members. (Thanks, Peter, and -- yes, the family is all OK here! We have not forgotten your stay with us and quite often speak of you.)

FRED BAILEY, G3HJL, excuses his inactivity over the past month by announcing his engagement. Most sincere congratulations, OM, and a

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hearty welcome to Joyce. If you are a sensible girl, Joyce, you will give the OM plenty of encouragement in his hobby -- it will keep him at home instead of chasing round all the weekend after a ball, a bet or a beer! (Try a bit of fone till you have her interested, Fred!)

RON GOURDIE has migrated "south of the border" to a job in the East Coast town of Mapleton. Unfortunately it leaves him little time for radio and his only activity recently has been reading "Q R P".

PETER AMY, GC3IDP, is another of our members who announces his engagement this month -- congratulations indeed, OM -- we shall have to start a YL and XYL section at this rate!

MONTY BANKS, GC2CNC, spent half an hour calling G3JNB/A, our exhibition station, on October 30th, but was disappointed. He heard two Birmingham stations and G2JF in Kent, but no JNB.

JIM PEARSON has some very nice comments to make on the Society's Student Scheme and the regular and patient instruction that he has had from his "tutor", Den Auton, G3IHI. Jim is becoming interested in VHF and asks for reprints of some of the 2 metre rigs which we have had in previous issues of the mag (That point is receiving our attention, OM)

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THE "Q R P" REFERENCE BOOKLET No 1 was on sale at our exhibition. It is a 10 page booklet of the same format as the mag and is entitled, "The Language of Amateur Radio". Compiled by Mr R.F.Hawksley, G3GBP, it is a dictionary of abbreviations and codes which should find a place on the desk of every Student Member. Many more experienced members, too, could benefit from the special care which has been taken to explain various commonly misused symbols.

POST FREE - - - 10½d.

Reference Booklet No 2, which we hope to produce next month, will contain reprints of some of the more popular Rx circuits from back mags

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ROGER TAYLOR, G3JAL, is back on the active lists again with, at least for the time being, an all-CW programme. He is getting very keen on the transistor idea and is hoping to try at his at some home brews.

JOHN HAGUE, G3JIJ, is using a B2 Minor Tx/Rx and at the moment is VFO controlled on 80 using a 6AG7 Colpitts ECO running 2 watts into the 7C5 in the Tx which is also running 2 watts spot on. Antenna is a 140 ft long wire sloping south. John says the Rx is not so good (osc instability) and he hopes later to build a miniature Rx on similar lines using B7G valves.

MIKE DRANESFIELD, G3JKO, has been pushing out 100 watts on 2 metres from the Nottingham University Club stn G3DBP, but, just to let the air cool down again, he has also done some good work with QRP on the LF bands, including the production of 1155 points for the RSGB QRP contest using 2 watts. He is due for his phone ticket about now and hopes to show the local 150-watt-gang what QRP fone CAN do.

"DECK" GARRARD, is still, as ever, the most confirmed phone only SWL in the annals of the Society -- and what a record he has knocked up with a O-V-O -- 116 countries heard, 77 verified, 59 Counties verified, 65 PAØ Stns verified, and 26 States verified -- all PHONE, and all with 20 volts HT and 1.5 LT. CAN ANYONE BEAT IT?

JOE STEPHENSON has had a bet on with his father as to how we produce the diagrams in the mag. Well, I'm sorry, Joe, you'll have to pay up! There is no type used in the diagrams except this very vintage typewriter for the lettering. I produce a sketch of the circuit first and then transfer it to the wax stencil which is cut with a stylus (thing like an empty ball point pen). Joe also points out that I made a duck in accusing him of building the O-V-2 "Huntsman" last month -- 'cod he never! Sorry about that, OM -- must have got my letters mixed up! Anyway, read the next bit!

GEORGE STOKES has constructed the O-V-2 "Huntsman" (he HAS, I've rechecked it!) and he says it really is an fb set both on phone and CW and he is so taken with it that, for the first time in his radio career



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allocated a cabinet for it.

JACK COWLES, VK6EJ, has been prevented from getting on the air up to now by power supply difficulties (he is inland from Perth, Western Australia -- no mains and batteries exhorbitant) but he hopes shortly to be active with a QRP Tx. Meantime he has kept his MCRI busy and has an interesting and extensive log. Jack says that the best times for VK6 contacts at present are about 2300 GMT on 7 Mc/s or 1300 to 1400 hrs on 14 Mc/s.

BOB IBALL says condx on 160 seem good but that it is a matter of opinion -- on Wed 10th he heard one operator remarking on the poor condx and a few Kc/s away another one reported them fb! Yes, Bob, we should certainly be interested in reports on the Trans Atlantic Tests. Regarding your point on whether GD counts as a county or country -- I would personally rule that it counts as a COUNTRY, not a county, and certainly not both as you suggest. (You would probably have a young war on your hands if you claimed GM as an English county!)

BILL HARDIE, who has now been settled in Ontario for quite a while, says that he has not been able to take part in any of our activities as he has had only his six year old S640 with him over there. He is planning a transistor Rx rig, however, and we may be hearing something of great interest before long. Bill says the VE3 boys have some fb receivers but the circuits seem to be 75% concerned with keeping out unwanted signals -- "When the 1 Kw brigade over the border start hollering its impossible to hear Dx or even QRW"!

::::::::::: A 1.4V 1-V-1 -- ERRATA :::::::::::::::

In the diagram last month, facing page 11, the figure 4 within the circle should have been applied to the LF intervalve tranny and not to the output one as shown. Referring to the text, the output tranny was, of course, used throughout.

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..... QRP SOCIETY SPARES SERVICE .....

(ALL CORRESPONDENCE direct to the Manager: G3CED, 17 Ethel Rd, Broadstairs, Kent.)

In view of the urgency of clearing the items offered last month (Oct "Q R P") ANY REASONABLE OFFERS WILL BE CONSIDERED. Items advertised were condensers, knobs, valveholders, switches, potentiometers, valves, meters, transformers, mains transformers, power packs, and sundry chassis bargains at already unrepeatable prices. Most of these items remain unsold.

WANTED:- Mod tranny, ratio 1:1.8, small size for 160 metre rig.  
Mod tranny, U1 or similar.

FOR SALE:- Army 58 set (Canadian built) complete; one or two slight defects; headphones, mike, ant rods & vib power pack. £4-10-0.  
Communications superhet (commercial built) in black crackle case, built-in LS, phone jack, 20 & 160 metres, switched AC/DC  
£4-10-0.

100 assorted new resistors, 7/6. Crystal diodes, 2/6.  
1 1/4" cartridge fuses, all values, 3/- doz. TU5B, TU6B, TU8B, TU9B, with cases, 17/6 each.

Command Tx, converted 40 metres, 2x1625s in PA, less power supply, £2-10-0.

During our exhibition a local dealer asked your Secretary how we managed to offer some of last month's items at the prices quoted -- WHY NOT TRY THIS UNEQUALLED SERVICE WHICH IS EXCLUSIVE TO THIS SOCIETY? You need have no qualms about getting a square deal--it is not a trade racket and we make nothing out of it--it exists purely for your benefit and is run by one of our own oldest members. BUT WE CANNOT CARRY ON IF YOU DO NOT PATRONIZE IT, and 17 Ethel Rd cannot hold many more specially selected bargains awaiting your orders.

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.....: STRAIGHT FROM THE STATES .....  
by W0PRM

I notice in "Hows Dx" in Nov QST you have a small item for any interested QRP Ws. Hope there are some interested fellows who will write to you -- there is one thing that will discourage any potential QRP boys quicker than anything else, and that is the high-power W stns. What "burns" me up is that about 50% of the KW boys couldn't operate QRP CW if their life depended on it, and the only reason they work Dx is the fact that they can "blast" right through any competition.

I visited DL, ON, PA, LX and F while I was DL4LQ and talked to many European amateurs, and I know what they think of the QRO Ws and DL4s -- and believe me I don't blame them one bit! There have been movements from time to time to slap a 100/150 watt limit on Ws, but it never seems to get anywhere.

Last weekend (Oct 29/30th) heard W1s and W2s calling G stns on 160 metres, but no Gs heard here. W9PNE has worked ZL3EB (1898 Kc/s) to open the Top Band over here.

Oct "CQ": One I3AE gives QTH as Icione, reported running 5 watts. More on VR2BZ/ZM7 Tokelau Island. "Bari" had a 100 watt rig in addition to the .5 watt xtal osc. Using a longwire antenna he says that the sig reports ran very much the same! This stn was worked in W0 with readable sigs. HK0AI reported by some to be running 20 watts heard this QTH on 7020 Kc/s with T8 drifting S8 sig. He is QRS and very active.

For anyone interested I have a local supply house which carries 3 connection transistor sockets. Let me know if you need one. (Please contact W0PRM direct, OMs: A. Rugel, 304 North Park Blvd, Independence, Kansas, USA)

73, bcnu, "Bud", W0PRM,  
(The notice in QST was submitted by Allan Herridge, G3IDG, -- ED.)

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.....: SOCIETY CONTEST REPORTS :.....

KALEVELD CUP -- Owing to extreme pressure of work at HQ and also to the fact that some of the entries have been sent in without mileage and points stated (which means extra working out here) the publication of results must be held over until next month.

THE "200" CONTEST

		<u>1.8 Mc/s</u>	<u>3.5 Mc/s</u>	<u>7.0 Mc/s</u>	<u>TOTAL</u>
1:	G2AOL - - - - -	57	39	33	129
2:	G3JKO - - - - -	48	56	12	116
3:	G2BOF - - - - -	61	21	15	97
4:	G3HJL - - - - -	6	27	-	33
5:	G3EUE - - - - -	-	21	-	21
6:	G3JZQ - - - - -	13	-	-	13
7:	GC2CNC/TTX - - - - -	11	-	-	11
8:	G2BOF/TTX - - - - -	8	-	-	8

THE COUNTIES CERTIFICATE CONTEST

		<u>1.8 Mc/s</u>	<u>3.5 Mc/s</u>	<u>7.0 Mc/s</u>	<u>TOTAL</u>
1:	G2BOF - - - - -	80	62	46	188
2:	G3JKO - - - - -	48	56	12	116
3:	G3HJL - - - - -	12	70	-	82
4:	G3EUE - - - - -	-	21	-	21
5:	G3JZQ - - - - -	13	-	-	13
6:	GC2CNC/TTX - - - - -	11	-	-	11
7:	G2BOF/TTX - - - - -	8	-	-	8

THE VQ2W CONTEST

	<u>REPORT</u>	<u>SCORE TO</u>	<u>THIS</u>	<u>AVERAGE</u>
	<u>No</u>	<u>Date</u>	<u>Month</u>	<u>To Date</u>
M. Dranesfield, G3JKO	5	573	194	153

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THE V H F RECEPTION CONTEST

	<u>STNS HRD</u>	<u>MILES</u>	<u>POINTS</u>	<u>PREVIOUS</u>	<u>SCORE</u>
G.V.Haylock, G2DHF	-	-	-	6327	6327
A.Stomestreet	3	22	66	782	848
D.G.Gordon	-	-	-	354	354
E.Banks, GC2CNC	-	-	-	234	234

THE C - Z CONTEST

	<u>3.5</u>	<u>7.0</u>	<u>14</u>	<u>21</u>	<u>28</u>	<u>TOTAL</u>	<u>ZONES</u>	<u>C</u>	<u>Z</u>
Peter Huntsman	26	61	116	36	28	136	35	171	
E.W.Gardiner	12	4	92	45	5	105	26	131	
Joe Stephenson	22	5	96	2	-	102	27	129	
Norman Bason	20	28	85	-	-	95	30	125	
D.G.Gordon	16	7	83	27	6	88	27	115	

THE TOP BAND PANEL

	<u>COUNTRIES</u>	<u>COUNTIES</u>	<u>TOTAL</u>
Bob Iball - - - - -	18	78	96
Peter Huntsman - - - - -	10	46	56
Norman Buson - - - - -	8	47	55
D.G.Gordon - - - - -	6	45	51
E.W.Gardiner - - - - -	5	18	23

.....: COUNCIL ELECTIONS, 1955 :.....

During the year two Council members were forced to submit resignations as a result of increased private commitments -- Harry Wells who was on the Contests Committee, and Vic Brand, our late Press Officer. Only two nominations have been received during the past month--that of Geoff Baskerville and that of Norman Bason. With these two nominations balancing the retirements, therefore, the other members of our Council will be returned unopposed for another year of office.