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No: 20.

MAY 1951.

DEDICATED TO THE
ADVANCEMENT OF
LOW POWER RADIO

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EDITORIAL.

This has been an exceptionally busy month. Activity has increased tremendously in both Rx and Tx spheres; we have had the first meeting of the ISWL Home-Counties Group; we have run two teams in the League Inter-Group Contest; and we have had the great pleasure of a personal QSO with OZ5U, who's call makes a most notable addition to our Group membership list. There is so much to report that Editorial opinions must wait in their various pigeon-holes except for an expression of utmost satisfaction that, in only twenty months, we should have gained such a thriving position.

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OUR GROUP HON - SEC RETIRES.

It is with regret that we announce the retirement of Alec Jotcham of Dawlish from the post of Hon-Sec of the QRP Research Group. He has held the Secretaryship since, in response to his own suggestion, the original "ISWL QRP Receiver Section" was formed late in 1948. This Section he piloted through it's initial teething troubles and, when the first issue of "Q R P" appeared, it was evident that the Section really did mean business. Expansion was surprisingly rapid and the enormous enthusiasm was symbolised by

the assumption of the title "QRP Research Group" which, incidentally, gave the lead to all the other sections of the League which, till then, had been known as Chapters. Within a few months the group, thus reformed, took over also the "QRP Club" which had been catering for the League's low power transmitters. From then on the combined TX and RX activities of the Research Group have gone from strength to strength, the membership having risen to over 200 and including stations in Canada, Saudi Arabia, Holland, Denmark, Jersey and Gibraltar as well as in every area of the British Isles. It is our sincere hope that Alec, having relinquished his secretaryial post, will still remain with us as an active member and so reap full appreciation of the tremendous future which is opening up before the enthusiastic progress of our Group.

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THE FIRST I S W L LONDON MEETING.

On April 27th forty-five members of the League gathered at ISWL headquarters for the first "get-together" of all Home-Counties Groups.

It was the intention of the organising body to keep the atmosphere as informal as possible throughout and, if a little constructive criticism may be permitted, it is our opinion that, enjoyable as this occasion undoubtedly was, future functions might benefit from a shade more critical planning. It is certain that the number of members attending future meetings will be greatly in excess of those present on this first occasion and it is hoped that each will then be given a lapal disc inscribed with the wearer's name and group. This would greatly assist a more rapid "getting together". Secondly it has been suggested that the leader of each group or Service might, during the course of the dinner, be introduced with a concise biography by the Chairman of the meeting.

This first function, about which many enthusiastic letters have already reached me, was a notable one for the QRP Research Group. Our ranks provided one third of the total attendance and included the only YL member, Miss Verna Stent of Staines, and the only International one in the person of Peter Nansen, OZ5U, of Nyborg on the Danish Island of Funen. Other QRP Group members who were present included Vic Cundall, G3FAU; R.J. Brooker, G3HBI; E. Holt, G2FEQ; G. Partridge, G3CED; and SWL members N. Hanceck, G. Lander, D. White, M. E. Delany, H. G. Wells, D. Hooper, G. H. M. Yule, A. E. Stonestreet and J. Whitehead. A highlight of the evening was the presentation of the QRP Group's Carter Shield, kindly undertaken by Dr. Gee, the President of the League, to R. J. Brooker in recognition of his excellent work in producing the two best receiver designs during the year.

The consensus of opinion on this first ISWL London meeting was that it was a most enjoyable occasion and there is no doubt that there will be a genuine rush for tickets when the date of the next meeting is announced in a month or two's time.

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I S W L COMMITTEE.

Many members of our Group may not yet be aware that the Editor of this journal has been honoured by election to the Committee of the ISWL, thus affording Group members direct representation on all matters affecting QRP affairs.

It is hoped that all members having any point which they would like placed before this Committee will submit them to the Editor in detail well in advance of the next Committee meeting, the date of which will be announced in the next issue.

The Committee's decisions on all matters affecting QRP will be reported in this journal.

It should be born in mind that the ISWL at all times works in close harmony with the RSGB and that, while the ISWL Committee is essentially concerned with matters affecting the internal economy of the League, subjects which warrent such action may, at their discretion, be passed on to the Governing Body

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OZ5U's FIRST VISIT TO ENGLAND.

It was a very happy fact that Peter Hansen's short visit coincided with the ISWL London meeting and that we were able to persuade him to attend that function. About it he afterwards said that he had never imagined so many radio enthusiasts existed in one locality! Peter and George (G3CED) spent the weekend at the QRP shack at Walton-on-Thames following the meeting and, though his English was somewhat restricted, Peter made it clear that he was quite overwhelmed by the friendly reception which had been accorded to him both in London and by the local Amateurs in Broadstairs who had met in his honour the evening before.

He has promised to launch a campaign in Denmark to correct the impression that English people are grimly insular and "stand-offish". He has also taken back with him full QRP Group data and I have no doubt that our Group will gain a very favourable report over there.

We can certainly look forward to regular reports from OZ and, if any of our members would like to fix up scheds with 5U or other OZ amateurs, "Q R P" will be pleased to organise the necessary arrangements. Reliable SWL reports will also be available from OZ upon request.

Finally, a personal word to Peter:- Thank you for your visit, OM. We enjoyed having you and hope you will come again. We hope, too, that you will pass our 73 to all QRP amateurs in OZ and tell

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them we shall always be most interested to hear from any of them.

(A postcard has just arrived from Peter reporting a comfortable journey home and wishing 73 to all members of the QRP Group).

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I S W L FIELD DAY.

Below are quoted the rules of the first ISWL Field Day for listeners. The rules have been kept to a minimum as it is felt that the whole object is to have an enjoyable day operating /P rather than a scramble for Dx.

RULES:--

- 1: The Field Day will be held on Sunday July 29th.
- 2: Operating should commence at 1100 hrs BST and end at 1500 hrs BST. (This operating period does not include the time taken in travel to the site or the setting up of a station or stations).
- 3: Each participating Group is limited to a maximum of two receivers, the power supply for which may be derived from any source other than a mains supply. Any type of receiver(s) may be used.
- 4: Aerials -- no restriction.
- 5: Operating shall be confined to Top Band only (1715 to 2000 Kc/s). Where two receivers are used the log for each should be kept separate and entered at HQ as two distinct entries.
- 6: The winning Group shall be that which has logged the most COUNTRIES during the period as stated under rule 2.

Well, QMs, that contest seems to be right up our street, except for the two-receivers-only rule on which I am getting in touch with HQ. I am hoping that they may agree to us entering sub-groups for London, Midlands, Scotland and so on. Let me have your prospective entries and I'll take that question up with the Contest Committee.

ISWL INTER - GROUP CONTEST: QRP GROUP RESULTS.

It is not yet possible to give any final placings in this contest, but I know that many of you will be anxious to know how our own Group fared, so here are the results which we achieved.

We entered two teams but, unfortunately, both our reserve entrant and one of our Second Team members met with misfortune at the very outset so that the No 2 team actually ran a man short. This was a great pity indeed, but I have sent in the entry just the same. Here, then, are our individual scores:--

	<u>ENTRANT.</u>	<u>COUNTRIES.</u>	<u>ZONES.</u>	<u>POINTS.</u>
Team No. 1.	R.J. Brooker,	44	19	836
" "	D.G. Gordon,	45	21	945
" "	P. Huntsman,	46	19	874
" "	H.G. Wells,	41	16	656
" "	Mike Wassell,	49	21	1029
Team No. 2.	George Parrott,	13	9	117
" "	R. Turner,	34	16	544
" "	Ian Glenn,	22	8	176
" "	R.S. Murray,	35	13	455

Before submitting our scores to the judges they had to be amended to "team scores" as opposed to individual scores since a country or zone was allowable only once PER TEAM.

Team No 1 collected the following countries: AG2, AR8, C3, CE, CO, CN8, CR4, CS3, CT1, DL, EA4, EA6, EA8, EI, EK, EQ, F, FA, FE3, G, GC, GD, GI, GM, GW, HA, HB, HC, HZ, I, IS, JA, KG6, KP4, KR6, LA, LU, MI, MB9, MD2, ME2, MI3, OA, OE, OH, ON, OX, OZ, PA, PK1, PV2, PY, SM, SP, SV, TF, TI, UA4, UA9, UG6, VE, VK, VP4, VP5, VP6, VP9, VQ4, VS2, VS6, VT1, VU, W, YO3, YU, YV, ZBL, ZC4, ZD2, ZL, ZS, 3V8 and 4X4. Zones heard were: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22, 24, 25, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 40. Team One therefore gained a total of 82 countries, 31 zones, and 2,542 points.

Team No 2 was rather less fortunate in that their scores showed a much higher percentage of duplications. Their TEAM countries were: AG2, CE, CO, CNS, CT1, CX, DL, EA4, EA8, EI, F, G, GD, GI, GM, GW, HB, I, IS, KG4, LA, LU, LX, MB9, MD2, MF2, NI3, OE, OH, OX, OZ, PY, SM, SP, SV, VEL, VK, VO, VP6, W, YS, YV, ZL, ZS and 4X4. Zones were: 4, 5, 7, 8, 9, 11, 12, 13, 14, 15, 17, 20, 30, 32, 33, 34, 37, 38, 40. Thus the total score was 45 countries, 19 zones and a total of 855 points.

Well done, QRP Group! We don't know how the placings will work out yet, but you've played a good match, OMs--and here's hoping!

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COMMENTS ON THE CONTEST.

D.G. GORDON says that his JA call (JA2HD) came as a nice surprise, the JA being in QSO with a YL from Spain who was "using all her talents in trying to make sure of a JA QSL". Derek used two receivers for the contest, both O-V-1. The one used for 28 Mc/s was 1.25 watts, and the other, used for all other bands, is only .288.

RON TURNER completed the latest mod on his Rx only two hours before the start of the contest, and then was able to spend only eight hours listening. Two days before he had had to rewind the power pack mains tranny! He says the contest was "good fun and will make a bit of good practice for NFD".

BOB BROOKER writes, "Although promising at the start, conditions deteriorated and became most disappointing towards the end. During Saturday afternoon, just before the start, there was some good Dx coming in from the Far East; this, however, had all gone by 1800, with the exception of VU2EH, whose signals held up for some time, and VT1AB who is only medium Dx anyway, though a new country for me. The rest of Saturday night was spent trying to sort out the mass of Ws and South Americans. When it became obvious that very

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little else was likely to be heard I went to bed. During the night I woke several times and had a listen around on twenty, but the band was dead. Listening proper recommenced when signals began to come in at about 0600, but very little was heard during the morning and at about 1000 I went over to forty in order to get a few of the local countries, but even this was disappointing and I missed out on GM,GC,EI,PAØ and OZ -- they were all heard calling CQ, but not making contacts. The greatest disappointment of all was on the Sunday afternoon when the Far East failed to make an appearance. VS1AD was on calling CQ, but nobody answered. Later, when JA2HD dared to show up I'm afraid he brought out the worst in a lot of ops. It was not to be wondered at really, considering the condx, but, as an example, when he had contacted HB9MV two EAs came on top of him and held a chinwag; when they had achieved their object in breaking up the QSO they both started to call him, and I regret to say they were successful in the attempt."

BOB MURRAY seems to have found more satisfaction. He says -- "I must say we were lucky with conditions as there were certainly plenty of signals coming through, but I have a feeling that I missed quite a lot. I spent about an hour searching for JA2OM who, according to an OE, was belting through, but I didn't get him. Also I heard YV1AA about five minutes after the end of the contest!"

H.G. WELLS writes: "I fared better this time, but have no startling Dx to report, though another local SWL with an HRO Rx made my mouth water with a list he received during the same period. I was using 1 watt with a dipole for 20 (15ft above E, SE-NW) and a similar dipole for ten. For 40 and 80 the feeders were joined and used as an ordinary lead-in for long wire type (centre tapped) -- hardly orthodox, but the best I could do."

PETER HUNTSMAN reports that "in the morning there was a partial power cut from about 0845 to about 1200 and it made a bit of a mess of things. Also I had to do a bit of work on my antenna owing to

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a gale and heavy rain which lasted all day. On top of that there was a lot of mains QRM so that you will realize that I had a bit to put up with. Well, condx were fairly good on Saturday with South American and the usual stations coming in. On Sunday there was a lot of QRM from European stns, but about 1500 hrs GMT the Dx started rolling in and I logged a number of KR6s and JA stations. They took a bit of pulling through the QRM, but they were there OK!"

IAN GLEN is another who had gale damage to contend with. He says: "I noticed that the band opened up after 2300 hrs. Just at the end of the contest the S Americans were beginning to come in. I had a bit of trouble with the antenna on Sunday. I have a long wire and a half wave dipole, the latter being by far the better set up. As it was blowing a gale and pouring rain here most of the day the dipole couldn't stand the strain and one leg came adrift and began rubbing up and down the wet slates, causing crackles and screeches. So I had to change over to the long wire and make the best of it.

As a matter of interest for those who like making comparisons, the QTHs of the teams are as follows: Mike Wassell, Birmingham. Harry Wells, Waltham Cross. Peter Huntsman, Hexham-on-Tyne. Derek Gordon, Bournemouth. Bob Brooker, Herne Hill. George Parrott, East Lothian. Bob Murray, St Andrews. Ian Glen, Coldingham. Ron Turner, Brierly Hill.

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TRANTEST.

Here's a do! GC2CNC's fine score of 9350 points has been well and truly passed by G5QI with a solid 9690, achieved on a half watt input. It is interesting to note, however, that the average Dx by QI for his three QSOs is 538 miles, whereas CNC's average with his two watts was a shade over 4466 miles. There is plenty of time yet for still more startling $\frac{1}{2}$ watt scores to come in, but, by the scoring to date, one would say that a $\frac{1}{2}$ watt is just too low for "world

	AVERAGE BEST	QSO with	Miles -M-	Mc/s	Watts -W-	-X-	Points -P-	Month's total.
1: G5QI, Henley, Oxon.	7935 ---- 9690	DL6QU OZ4X OZ7AY	460 600 555	3.5 3.5 3.5	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	3 3 3	2760 3600 3330	9690
2: GC2CNC, Jersey, C.I.	5666 ---- 9350	IS1FIC OH1PA PA0ZQ	850 1300 390	7 14 3.5	0.4 0.4 0.4	2 1 3	3400 2600 2340	8340
3: G3HCW, Pontefract Yorks.	4133 ---- 6330	G3GOX LA2UD SM4AJM	220 670 700	7 7 7	1 1 1	2 2 2	440 1340 1400	3180
4: G2AJU, Ipswich, Suffolk	3495 ---- 3495	GW3GYY GM8FM GW8WJ	240 330 215	1.7 1.7 3.5	1 1 1	5 5 3	1266 1650 645	3495
5: G5GG	3010 (average)						No entry this month.	
6: G3HBI Nerne Hill London	2510 ---- 3307	OH6OC HB9HC LA1YD	1200 500 780	7 7 7	1.5 1.5 1.5	2 2 2	1600 667 1040	3307
7: G3EDW, Rayleigh, Essex.	2265 ---- 4155	SM6EY OZ2NU DL1FV	800 540 445	3.5 3.5 3.5	2 1 1	3 3 3	1200 1620 1335	4155
8: G3GZA, Bristol, Gloucs.	1827 ---- 1827	GI3GQA G8JO G2JF	264 260 155	1.8 1.8 1.8	2 2 1.5	5 5 5	660 650 517	1827
9: PA0XE	1360 (average)						No entry this month.	
10: G3EKP	413 (average)						No entry this month.	
11: G3CED	320 (average)						No entry this month.	

Formula: -- P = M x X - + W

coverage." Anyway, both these achievements are highly creditable and certainly add yet another silent comment upon the performance of "hams" who use the full allocation for their cross-town natters.

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This month's entries for Trantest (including two newcomers) have focussed attention on another point of organization. Four contestants have failed to send in scores (last month there were three) Possibly there are reasons for these non-appearances which are in no way caused by lack of interest, but it does occur to me that it might be due to failure to collect quite as good a score as previously. To maintain full interest we want a score from everyone every month and, in an endeavour to reach this position, I have inserted a new score for AVERAGE POINTS. These averages are obtained by totaling all points gained since the first entry of each member and deviding by the number of months since that first entry. For example G3HCW first entered in Feb and his points scores are 4180, 2840, 6330 and 3180, totalling 16530, which, devided by 4 gives him a current average of 4133. Similarly PAØXE entered in March with 4080 and, not having sent in since, his current average is 4080 devided by 3 equals 1360. This will not in any way penalise a member who starts in Trantest later in the year as the average is counted from the individual start, not from the start of the contest; it will, however, make it important to keep entries up to date and, as a final spur to continued interest, I propose to award a CERTIFICATE OF MERIT TO THE ENTRANT SHOWING THE HIGHEST AVERAGE at the conclusion of the contest for each year. In future, then, entries will be arranged in order of averages.

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A REPORT ON THE Q R P SH2.

Peter White of Rushden has made up and tested the two valve super-het which was described as an experimental circuit in the March "Q R P". He constructed it exactly to the specification quoted and used 6K8 and 6F8 valves, coverage being 80 and 160 metres with a 132 ft long wire. Peter says, "The Rx worked as soon as connected

to the power pack." The voltage was constant at 100 volts and he managed to get down to 5.45 mA, making .545 watts. At this, he says, the receiver was comparable to Bob Brooker's SH4. Under initial test, with 6 volts grid bias, many G stations were received as well as GW2BG and GD3UB on phone. On 80 a number of phone SMS, and PAØ, F, EA2, MI and I came in. Reaction gave a satisfactory boost to weak signals.

Thank you for that, Peter.

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S W L ACTIVITY.

PETER WHITE (Rushden) has started building the super-regen for Two which was described in the last issue. He is also planning a QRP rig for 70 cms.

R. NIXON (Stockport) has now completed a 1-V-1 which was inspired by Bob Brooker's rig described in the Nov 1950 issue but ended up as a quite different layout. It is, however, the best job that Roy has done so far, though, he says, it is also the one that gave him the most trouble.

GEOFF HOLLIBON (Southampton) like so many of our members has an 18 set. He is now constructing a super for five and ten.

This ACTIVITY column first appeared in issue No1, Sept 1949. The activities of six SWLs were described in that No. The Group consisted of a total of 18 members then which shows that over 33% wrote in. We now have nearly 200 SWLs on the membership list and about 1.5% have seen fit to let us have an account of their activities for this issue.

You can draw your own conclusions from that, OMs. I do suggest that, instead of saying you dislike the trend of "QRP" to Tx activity, you send me a little SWL NEWS.

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TWO - WATT PANEL

	TOTAL	Counties :		Countries			
		1.7	1.7	3.5	7	14	28
GC2CNC	70	4	2	6	25	31	2
G5QI	55	24	2	16	13	--	--
G3EDW	17	5	1	8	3	--	--
G3HBI	14	5	1	--	8	--	--
G3HCW	12	--	--	--	12	--	--
G3GZA	9	7	2	--	--	--	--
G3EKP	6	1	1	--	4	--	--

Tx ACTIVITY.

G3EDW (Rayleigh, Essex): There has been rather more activity at EDW this month and the gear has been supplemented by a single-valve Clapp oscillator using GAG7 which gives very good results. One day was spent throwing weighted lines over the roof and the adjacent willow tree with the result that the 7 Mc/s dipole is in action once again.

GC2CNC (Jersey, C.I.): In answer to Monty's remarks last month on the poor tone reports given by some Russian stations, G3GZA has suggested that this is mainly due to the mains supply being very rough over there in USSR. GZA says that their receivers often have to work on unsmoothed mains supply so that their receivers reduce incoming sigs to S7 and their own sigs go out at T6-7.

Monty has been on CW on 145.13 Mc/s recently, with 145.44 as an alternative. He asks for SWL reports on his two metre sigs.

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By the way, I must apologize to the Jersey club for getting their title wrong in my rendering of "A Picture of GC2CNC" last month. I called them the "QUA" club whereas they are actually the Q-A-U Club. Monty and GC3FSN are experimenting with a QRP Tx-Rx for /P use. The Tx is 1T4 CO and 3Q5 PA, and the Rx is 1T4 RF, 1T4 detector, 3D5 output. When finalised they propose to take it /p on SARK, so look out for the first-ever QSOs from Sark, OMs.

G3GZA (Bristol): Dudley tells me that the Bristol (3GZA-3HCN-3FYX) Net is QRT for some time from it's Tuesday evening activities on Top Band. Dudley himself, however, will be active on Top Band every Monday evening from 2100-2300 BST, using QRP and looking for QRP Group QSOs. SWL reports will be welcomed. A rig for Two is taking shape, consisting of a 6SN7 to a TT11; it should be on the air in June. The present Top Band job is a Wilcox-Gay VFO to an 807 PA, using an Rx type power pack which gives an input of 1 to 5 watts, but here again a new rig is in view of strictly QRP design. Top Band crystals between 1.85 and 1.95 are wanted -- can anyone help?

G3HCN (Bristol): Bob's present Rx is minus any Top Band and he is more or less QRT during conversion of an 1196Rx to cover his requirements.

G3FYX (Bristol): Non-radio commitments prevent Roy being very active at the moment, but he can still be heard on Top Band now and again.

G2AJU (Ipswich): Being a farmer, Jack has been having a really very tough time lately and, apart from his RSGB Slow Morse Practice Transmissions (1900 Kc/s, 2000 BST, Mondays and Fridays) he has found very little time to get on the air. We can well understand that, Jack, and appreciate all the more the fact that you are still active at all. All the more credit to your fourth place in Trantest this month! The layout at 3AJU is a VT51 Hartley osc into a VT51 PA both triode connected, built around TU5B units so that a unit is plugged in for each band (5B for 160, 6B for 80, 8B for 40 metres).

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For phone the PA is plate modulated by All34 amplifier. LT is 2 V and HT a standard 120V dry battery. The ant is a 132 ft long wire, normally 50 ft up, though only 20 ft at the moment owing to a broken halliard, link coupled to the PA. The station is 100 ft a.s.l. and "in the clear". The present Rx is an AR88 though a QRP Rx is being planned. The station is equipped for working BK on all three bands, and the input at 120 volts and 8 mills is 0.96 watt.

G3HCW (Pontefract, Yorks): The greater part of last month was spent in reconstruction. The long wire was levelled up at 33 ft instead of having a 33/25 ft slope; the 66 ft dipole was replaced by a 69 ft wire fed at 23 ft; a capacity balanced antenna tuning unit was completed; a CO/PA was made for 7 Mc/s; a pie-section coupler was used in extensive antenna/feeder tests; finally the shack came in for rearrangement of Rx, Tx, key, batteries, op position and so on in order to increase the "striking power" of the station. The wattage of the station, inclusive of Tx AND Rx, is 1.87 watts HT and 2.4 watts LT. Ernest makes some interesting remarks on the financial side of amateur radio. He says: "Accumulators are hired-- 1x40 Ah per fortnight costs 1/-. HT is provided by a Milnes unit (ex WD) which lasts 3 months per charge at 2/- per charge, giving a grand total operating cost of 34/- per annum. Relatively speaking results are pretty good, over 200 QSOs having been made in six months, to say nothing of the fun, interest and friendships resulting. This proves that amateur radio need not be expensive and, with a little patience, good results can be had.

G3EBL (Worcester Park, Surrey): Is active on 3.5 with VFO 6V6/807PA running 20 watts CW, and on 1.6 and 3.5 with one watt using 6X7 VFO/EF39PA. Receivers are Globe King (1 valve battery) and a 0-V-1 battery Rx. The aerial is 130 ft and fed. EBL hopes to be on phone on both frequencies very soon, using control-grid mod running approx 3-5 watts. He is on the air most evenings between 2000 and 0200 hrs.

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SWL C - Z PANEL.

1951/ SERIES	COUNTRIES					ZONES
	3.5	7	14	28	Total	Total
P.Huntsman	16	39	110	10	116	35
E.W.Gardiner	9	10	56	21	96	24
H.G.Wells	14	13	57	3	69	23
D.G.Gordon	18	11	49	11	57	19
R.Murray	7	10	30	--	41	15
D.White	2	3	35	3	38	15
R.Nixon	--	--	34	--	34	14

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SWL NOTES AND NEWS, by Bob Brooker.

I have a feeling that the main object of this column is not clearly understood by many. It is simply this -- to give the more experienced operators in our Group a chance to help the less experienced, and each other, by giving any details they can of Dx stations they may hear, e.g. the band and, if possible, frequencies used, times of operating, QTHs and, in fact, any information that may help someone in logging a new country.

Harry Wells has come up with his usual fb selection. Starting on March 28th on 14 Mc/s with OA4N at 2150 GMT (at R4), Harry remarks that Peru seems quite a rare country. Perhaps this is because they so seldom speak in English. On March 31st YV5EE came in at 2112 and MI3US at 2120. On April 1st VK6MK was heard at 0917 (this is in Zone 29, by the way). On 28 Mc/s the same day came PY6QM and 7RB at 1800. A very nice one on April 3rd was CE7ZM, Chilean Ant-

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arctica, at about 1800. During the contest were heard VK4MW, 2PE, 3AUP, 4RT, ZL4CP, CE3CZ, VP3FO, all on 20; and on April 23rd there was nothing but VQ4 and 5 and a lot of 4X4s.

That is all for this month. Please do let me have all the useful gen you can. 73, Bob Brooker

EDITOR: The following arrived too late for forwarding to Bob, but it is well worth inclusion. It is from Peter Huntsman. He says:

"Did anyone hear the Dx on the morning of the 24th, between 0630 and 0745 on 14 Mc/s? I logged six KH6s, three VKs, two ZLs and one each of KR6, ZC4, KL7. Forty has been a lot better of late, too, with CM, PY, LU and the usual Dx coming in at good signal strength."

Thanks for that, Peter, it's just the sort of gen we want, so will you send anything of the kind straight in to Bob in future, OM? His address is - R.J.Brooker, G3HBI, 77 The Cottages, Rosendale Rd, Herne Hill, London, S.E.24.

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QRP CALL BOOK.

- G2AOK/A: H.Heath, Church St, Stow-on-the-Wold, Cheltenham, Glos.
4 watts, on 1.7 Mc/s.
- G2YU : Norwich, 4 watts, on 3.5 Mc/s.
- G3ENM : G.W.Hodges, 6 Albert Quadrant, Weston-super-Mare.
VFO-BA-PA, 5 watts, on 7 and 3.5 Mc/s.
- G3GHU : R.A.E.Goode, 4 Junction Rd, Kingsley Park, Northampton.
CO-PA, 5 watts, on 3.5 Mc/s.
- G3GOX : Colyton, Devon (Reported as a very efficient YL op),
58 type Tx, 3 watts to an indoor Window. 1224 Rx.
- G5LQ : James Tovell, 12 Cambridge Rd, Chiswick, London W4.
VFO, $\frac{1}{2}$ watt, on 3.5 Mc/s.

- DL6QU : Kurt Schlichting, 24a, Neuhaus (oste) 152, Germany.
(about 10 miles SE of Cuxhaven. Clapp-BU-FD, 2 watts
on 3.5 Mc/s (3505 Kc/s).
- PAØZQ : P.v.d.Valk, Oosteinde 144, Voorburg, Netherlands.
YFO-BA-PA, 4 watts, 3.5 Mc/s.

(Thanks for the above are due to G3HCW, G5QI and Bob Murray.
A register of all such items is being kept at QRP HQ and every
addition will be welcomed. It is a really interesting and useful
scheme in which every QRP Group member -- SWL as well as Tx -- can
take part. AN ANNUAL LIST will be published in addition to these
monthly paragraphs. Please keep that note-pad handy and do not let
ANY item escape you. Send us everything you hear -- we will sort
the items out.

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H-O-L-I-D-A-Y SERVICE.

Any member of our Group who is not already fixed up for good
holiday accomodation is strongly recommended to write to George
Partridge, G3CED, "Brent House", 17 Ethel Rd, Broadstairs, Kent.
George does not offer accomodation at his own QTH, but he is in a
position to recommend very good holiday digs at modest rates to any
of our members interested. He will be glad to do this and also to
send a "buckshee" illustrated guide (don't forget the SAE, OMs).

Broadstairs is a seaside resort of the less rowdy type and has
first class beaches and bathing together with fine surrounding
country.

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NEXT MONTH: FULL DETAILS OF THE BC222 TX - RX QRP RIG.

S A L E S : E X C H A N G E : W A N T E D

Here is another short list giving examples of the first class items available EXCLUSIVELY to members of our Group under the scheme devised and run by G3CED, George Partridge, "Brent House", 17 Ethel Rd, Broadstairs. To assist the easy organisation of this unique service please comply with the following :-

- A: Send in a list of YOUR disposal and want items.
 B: Enclose SAE for current list
 C: When returning the list enclose PLAIN stamped envelope and BLANK postal order covering cost and estimated carriage (where required) for any item wanted.
 D: Inform us as soon as a listed item from YOUR junk box has been disposed of.
 E: In order to reduce the duplication of extra lists, PLEASE RETURN YOUR COPY AS SOON AS POSSIBLE.
 (Write to G3CED direct, NOT to GRP HQ).

FOR SALE: (Please quote ref. no. shown at left of each item)

- 16: 24v motor genny (DC) Type 297. 210v 70 mA DC & 6.3v DC out. Strong case, smoothing, 11½" x 5½" x 7"7/6
18: 6v ex-Govt vibrator pack, never used, lavish smoothing. Suitable car radio. 6v in, 250v out. 8½" x 8" x 2½".....12/6
19: Thordason swinging choke. 3.5Hy, 100mA.....5/-
21: 3 DPDT 250v 5A knife switches on marble base.....each 2/-
24: XTALS - FT243, ½" spacing, Bliley, 8600, 3885, 2115...each 2/-
 Do. - ¾" spacing, 5062.5, 5100, 5275, 5290, 6240, 6515, 37.5 (Harmonie)....each 2/-
28: Marine Radiophone by Hallicrafters, type HT11A, complete xtal controlled phone Tx-Rx station. Details on request. Offers
31: 24v DC power pack for SCR522.....10/6
 AND MANY MORE ITEMS TOO NUMEROUS TO LIST HERE. Write to George.

S T O P P R E S S ! ::::::::::::::::::::::::::::::::::

A card just to hand from Den Auton. His ZB2L call has been confirmed and he DID get WAC in his first 24 hours but this was with 22 watts on his B2. He hopes to be out on QRP as soon as he receives the tranny for his VFO p.p.

He will be looking for Group contacts on 14044 and 14086.

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S P A C E

I am sorry we have not been able to include a constructional article this month. The pressure of general news items has been so heavy that any material which will not "date" has had to be held over.

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A M E N D M E N T S

C - Z PANEL: Peter Huntsman's latest score should read - 3.5, 17; 7, 41; 14, 117; 28,12; C total, 122; Z total, 36. This does not alter the placings as shown, but gives Peter a rather greater lead.

TWO-WATT PANEL: Bob Brooker's latest score should read - 1.7, Counties, 5; 1.7, Countries, 1; 7 Mc/s, 14.

Would you please make sure to send in your various scores on separate sheets, OMs, even if only a strip each. It would go a long way towards preventing these mistakes and would be a great help to me in handling the increasing quantity of mail here at QRP HQ.