

LOW POWER RADIO RESEARCH AND NEWS.

No 28



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# QRP

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THE JOURNAL OF THE  
Q R P  
RESEARCH GROUP

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Q R P  
RESEARCH SOCIETY  
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“Q.R.P.”

ISSUE No 28 for  
JANUARY 1952  
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THE NEW "QRP" H.Q.

We are now installed in our new "office-shack", so may I remind you once again of the change of address for all correspondence relating to the Society or the mag. The move took place last Saturday, having been delayed for a week through circumstances which arose at the last moment. Consequently we are still in a hectic muddle and this issue will undoubtedly be late in reaching you, but the new surroundings promise to be even more satisfactory than we had anticipated and next month we hope to get back to our normal schedule (the third Saturday of the month), so please try and get all your news to us not later than Feb 5th.

EDITORIAL.

Last January I prophesied that 1951 would afford great opportunities for our expansion and consolidation, but I did not anticipate the extent of the successes which we were to achieve. Let us take a brief survey of the year's outstanding events.

JAN: One of our earliest SWL members, A.E.Glass of Plymouth, was announced the winner of the ISWL Individual Amateur-Bands DX Contest. He used a O-V-1 with 0.5 watt which was described in the Nov 1949 "QRP" and won the contest against receivers of all types.  
MARCH: G3EDW described a QRP Tx which caused a great deal of comment and which magnificently demonstrated it's quality later in the year.  
JUNE: The Group No 1 team won the ISWL Inter-Group Dx Cup in

competition with teams using receivers of unrestricted power. SEPT: GC2CNC won the Kaleveld Cup with an outstanding performance on 0.10 watt. OCT: G3EDW won the RSGB Low Power Contest with a comfortable lead from the other 36 entrants, using gear described in our March issue. NOV: The unique Student Adoption Scheme was introduced. DEC: The Kaleveld Cup was presented to GC2CNC by PAKKE from the platform of the RSGB Exhibition, this being the Group's first real appearance in public. Mr A.O.Milne, G2MI, accepted the Presidency of the Group. The RSGB granted us affiliation.

For our second full year of activity I feel that this forms a most notable record. We entered the year as a relatively junior Group, little known outside the ranks of the ISWL from which we sprang. We end it as an individual organization, retaining on behalf of our SWL members our full and friendly liason with the League through affiliation, and having gained the ultimate distinction of affiliation to the RSGB, a point of especial interest to our Tx members.

This noteworthy uplift to our status unquestionably warrents the assumption of a more fitting title and I am proud to record that henceforth we shall be known as THE Q R P RESEARCH SOCIETY.

### OUR PRESIDENT.

Arthur O.Milne is so well known in amateur radio circles that a formal introduction is unnecessary. However, these few notes of a more personal nature will interest all our members.

Arthur is 44, married, with a family of three and, having at various times lived at Margate, Broadstairs and near Maidstone, he has now settled in Hayes, Kent. His early transmissions were signed G2AIF, but in Nov 1924 he was licensed as G2MI and he has been on the air regularly ever since except during the war. His main interest has always been Top Band and, though he does work all bands up to 30 Mc/s, he has no special interest in VHF. His first trans -

ceiver (a term which, incidentally, he invented himself) was described in the Bulletin in 1932 and, since the war, he has developed the all-dry battery rig which appeared in the Bulletin a couple of years ago and with which he has had some excellent results. His present set is a mains portable using miniature valves which operates VFO on 160 and 80, and crystal on 40, in conjunction with a 4-valve TRF Rx section. This set went with him when he recently had the misfortune to undergo an operation and, from his hospital bed, he had some excellent CW and phone QSOs with the local lads and "more or less put the ward on the air" during Christmas Day.

As manager of the RSGB QSL Bureau, Hon Editor of the Bulletin and author of "The Month on the Air", Arthur already has his hands well filled with amateur radio affairs and we feel all the more proud that he is prepared to find time to act as President of our Society. I know that every one of our members will join me in wishing him a speedy and lasting recovery from his operation and that we shall soon be hearing something of the miniature-ised SH circuit with which he proposes shortly to replace his present straight Rx.

### THE I S W L.

We have received a copy of "MONITOR", the monthly organ of the newly independent International Short Wave League. It is said that imitation is the sincerest form of flattery. There is a taint of sarcasm in that saying but we certainly intend none whatever when we remark that we are flattered from cover to cover by this new mag. In price, size, format and -- yes, even in some of the "stock-phrases", it is so similar to "QRP" that we hardly dare to comment on it's structure lest we find ourselves criticising our own layout! The "Monitor" editorial gives a very nice paragraph of thanks for certain hints and tips which we, from the lordly eminence of our two year's experience, were able to offer, but little did we anticipate

such a close resemblance. We were genuinely surprised at this and we cannot repress a friendly comment that we had expected a little more originality from a body having the considerable resources of the ISWL. When we set out upon our first issue of "QRP" we had no pattern whatever to follow, neither had we any resources, experience or advice to help us. We found our own way and laid our own plans, each and every one created for a specific reason by ourselves for our own betterment. It seems very high praise for our achievements that "Monitor" should be content to so completely follow our lead. We cannot help feeling that a trifle more individuality -- a shade more originality -- might forecast an even stronger future for the ISWL.

1952 CONTESTS CALENDAR.

- Jan 12-13: RSGB, Affiliated Societies Contest.
- Jan 26-27: RSGB, Top Band (1.8 Mc/s).
- Feb 9-16: ISWL, Inter-Group Contest.
- March 29-30: RSGB, B.E.R.U. (Telegraphy).
- April 5-6: RSGB, B.E.R.U. (Telephony).
- April 12-19: ISWL, Individual Contest (BC).
- May 10-11: RSGB, 144 Mc/s Field Day.
- June 7-8: RSGB, National Field Day.
- June 22: RSGB, 420 Mc/s Tests.
- July 6: RSGB, European VHF Contest.
- July 6 (Provisional): ISWL, Field Day (Amateur Bands).
- Sept 7: RSGB, LOW POWER FIELD DAY.
- Sept 21: RSGB, 144 Mc/s Field Day.
- Oct 4-5: RSGB, LOW POWER CONTEST.
- Oct 18-25: ISWL, Group B. C. Contest.
- Nov 8-9: RSGB, Top Band (1.8 Mc/s).
- Dec 6-13: ISWL, Individual Contest (Amateur).

TX ACTIVITY.

G3FAU (Stratford, E15) has ended the old year with some very useful work in analysing the years Trantest results. His findings will be reported at the earliest opportunity. He also has some interesting comments to make on the apparent inferiority complex of some SWLS.

G3CED (Broadstairs) has had most encouraging results from his new 68' tilted wire antenna which is showing about one "S" point better than his 137' horizontal in the same direction. He is running skeds with OM6AB on 14100 at 1300 GMT on every third day from Dec 25th onwards.

G3IDG (Salham) has worked 53 stations in 17 counties and 2 countries during his short activity. Both 3IDG and 3HEI mention fb QSOs with him

G3EKP (Darwen) has been less active than usual owing to a heavy programme of renovation at home.

G5QI (Birmingham) has now moved from his old Henley-on-Thames QTH, thus missing the RSGB "do". It is hoped he will be active again shortly.

G3ERI (Nantwich) should be active again now after a very long QRT and he would appreciate reports from all members. (Let us have details of your frequency and any skeds, OM.)

G3GYZ (Rotherhithe) has been in Guy's Hospital for two operations and, at the time of writing, had a third still to come. "It is not serious" he says. We're glad to hear it, OM -- it sounds like a complete redesign to us! Hope you cut and getting fit again by now.

G02CNC (Jersey) has made up a VFO QRP Tx using some of 3EDW's contest-winning-circuit data. A 6J5 Clapp-6AC7-6V6 line up was tried with a max HT of 200 volts, but it did not satisfy Monty and he is now trying out a 6AG7 Clapp-6AG7 buffer-6V6PA, still based on 3EDW.

PA0XT (Rotterdam) has been rather QRT owing to the building of

a very QRO receiver but, having completed tests on this, he is now planning a portable Tx/Rx for QRP field work.

G3HPI (Herne Hill) has been getting out on phone with 2 watts on 40 despite unfavourable conditions and he is "getting onto Top Band as soon as possible".

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It is with very deep regret that we record the sudden death of one of our founder members, Ted Holt, G2FZQ. Ted had been interested in radio for many years and had been connected in various official capacities with the Hounslow and District Radio Society. When we first met shortly after the launching of "QRP" he expressed a strong desire to become more consistently active and he spent many months patiently slogging away at morse practice before he finally gained his ticket. It is some consolation to remember that Ted had the pleasure of this achievement before it was too late.

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THE STUDENT ADOPTION SCHEME.

The first report from Tom Carter, who has been appointed manager of this scheme, shows very favourable prospects. All students who have applied so far have been fixed up with appropriate tutors and anyone interested in the idea, either as a student or as a tutor, should write direct to T.H. Carter, 8 Twysden Cottages, Sandhurst, Nr Hawkhurst, Kent.

In a covering letter Tom says: "Now you 'old timers', we can do with a few more tutors, so why not lend a hand to the youngsters? You know, OM, you will get quite a kick out of it -- remember that not so much what you get out of a thing as what you put into it that gives you that nice feeling under the left ribs. And to you "youngsters", do not be afraid to ask -- that is what we are for, to help one another and so help our hobby."

THE MONTH'S BEST LETTER.

The pen is wielded by Vic Cundall, G3FAU, this month, and we hope he has a stock of spare nibs as I fancy we shall be calling for a lot more detailed gen. He says:--

"For some time now I have been toying with the idea of converting a class C wavemeter, for which I have no further use, into a VFO. Actually the idea isn't my own but comes from an article which appeared in "RC" some time ago about converting the wavemeter for AC mains. The writer then suggested that it might make a VFO. Anyway I set to and partly stripped the w/meter of all but the oscillator section, using the triode section of the original ANTP1 (Mazda TP22). Then I soldered two leads, one to the anode via a 1000pF capacitor, and the other to earth or chassis. These leads were a piece of twin flex, by the way. Having done this, I altered the keying arrangements of my CO-PA from grid resistor return to screen keying, and after removing the Xtal I plugged the two leads from the wavemeter into the Xtal sockets. I had three contacts with this hook up in quick succession, all at T9. And it was truly a "hook up" as it was standing on the table completely unscreened about nine inches from the CO-PA with the flex connecting the two and both operating from the same 100v stabilized supply. All three contacts were amazed when I told them what I was using and remarked about the good note etc. One of these contacts was G2FJ who gave me RST 449 when I was using the CO-PA rig but, using the very much improvised VFO, he reported me as RST 569! So now I am going to put the whole works in one box, so to speak, but with some modifications of course. Another thing that has arisen out of this experiment is that I am now a confirmed VFO addict. Previous remarks that I have made about some bods who just won't answer anything not on their own frequency have now been proved -- by VFO-ing on to them it is easy. Another good thing about the class C w/meter, as you most probably know, is the



direct reading dial which, for Top Band, is two Kc/s per division, each division being about a quarter of an inch in width. All my contacts have been on Top Band, by the way."

### SCOTTISH REP.

Following my note in the Oct issue about the re-formation of our Society Council a hasty screed arrived to "remind me that a place called Scotland exists and there are some QRP enthusiasts up there". OK Scotland -- let's hear from any of you who would be prepared to act as Research Society Rep.

### JERSEY INTERLUDE.

We hear on good authority that GC2CNC has discovered a new material for aerials. GC2FMV informs us that Monty has spent some time trying out best quality pink cotton in place of the copper wire which formed his famous long-wire. We knew, of course, that Monty had been interested in the uses of pink cotton since his week end with us (for the RSGB Exhibition) when he found his pyjama legs, sleeves and button holes firmly secured with this material. It was a peculiar coincidence that a length of it turned up at the bottom of his pint during the first meeting of the Jersey QAU Club following his return to the Island. We wonder if he will get a pink elephant to do the erection for him!

### S. W. N. and R. C.

We have received the following communication from the Directors of Amalgamated Short Wave Press:

"As you are aware from 1st December (1951) the ISWL is to be a self supporting, self governing organisation. Therefore, from the same date, we shall follow the normal practice of publishers and

only supply our publications through the usual trade channels." We feel that this attitude is particularly unfortunate at a time when the ISWL must need every possible assistance, but no doubt there is some technical reason for it. We can only regret that the supply service which we ran for our own members will have to cease as a consequence.

OUR HELP IS REQUESTED.

An interesting letter is to hand from John R. Ayrs of Woodbridge, Suffolk. He says:

"Gliding is my big sport and I think that the QRP Research Society could do a great service to the gliding fraternity of Great Britain. You see, the big snag with a high performance sailplane is that the maximum load which can be carried is rather small -- a matter of 400 lbs and usually much less. Basically the load consists of: A pilot - say 150 lbs; a parachute - 28 lbs; usually two barographs - 8 lbs; a blind flying instrument panel - 20 lbs; sometimes oxygen - 15/20 lbs. Now, we are allocated a frequency of about 130 Mc/s. A commercial set is available, exclusive of power, for about £50, size approx 5" x 6" x 6", weighing some 10/15 lbs. This is expensive, heavy and large -- too large. What we want is something weighing 5 lbs max and able to fit into a space about 4" x 3" x 3". At a height of 3000 ft it should have a range of at least 15/20 miles on a simple dipole or whip aerial, and the cost should be under £10 inclusive of Tx and Rx."

Now it seems to me that this offers a real outlet for the ingenuity of our designers and a marvellous opportunity for demonstrating the cooperative spirit of our Society. John will be only too pleased to supply any practical data required and it is up to us to get busy and show the commercial bods that the amateur can STILL lead the way.

ADDENDA TO THE 1-V-2 by H.G. WELLS.

(A great deal of interest has been shown in the rig described by Harry Wells in our October issue and much extra information has been requested, especially in the matter of coil data. It is hoped, therefore, that the following points will be of interest.:- Ed.)

"Regarding the 160 pF tuners, these were obtained at a price of 6d each from Smith's of Lisle St. They are surplus types and are not miniature. Plenty are available. However, I have now replaced them with 75 pF miniature panel mounting variables (9d each) which are easily obtainable in Lisle St (and on the Farringdon St stalls) as surplus goods. For reaction I have now a 100 pF minny (surplus), but have managed to find only two of these as they seem to be very scarce. These values have greatly improved the tuning and reaction control with no alteration of turns except on 40 metres where a couple of turns will have to be added to the RF coil. These same 75 pF capacitors will do quite well for reaction as well but may need the addition of an extra turn or two. By the way, Smith's also have "Tuning Units" in metal boxes which have four 75 pF tuners plus coil and other capacitors etc for the sum of 2/- complete! The centre spindle is about 2" long and will have to be cut for panel mounting.

"Now for the queries about coils. I should certainly have mentioned 'turns per inch' at least and apologize for the omission. The 20 metre coils first: 18 or 20 swg tinned copper on Eddystone threaded, ribbed formers, giving  $10\frac{1}{2}$  turns per inch as they are wound every other notch (double spacing). 20 swg is easier to handle and seems to give just as good results. Reaction wound with 28 swg enam. 40 metres: 28 swg enamelled, wound every notch giving 21 turns per inch. Reaction 36 swg, DSC, also close space winding. 160 metres: 34 swg enamelled, wound on plain (not threaded) formers, turns touching 100 turns per inch. Reaction ditto. A strip of paper is secured over the grid turns, treated with shellac-and-methylated-spirit varnish,

and the reaction then wound over the top, 10 metres: These have just been made and were not included in the specification. Same formers as for 20 (threaded, ribbed) wound as for 20 with the following number of turns-- L1, 2 turns; L2,  $6\frac{1}{2}$  turns; L3, 3 turns L4,  $6\frac{1}{2}$  turns, tapped 3rd turn. L1, 2 & 4, 20 swg tinned copper, L3, 28 swg enamelled. One more point, C7 is a 35 pF (or one of the same 75 pF) tuner with all but one fixed and one moving plate removed. This gives excellent bandspread with a good slow motion dial. By the way, a good slow drive is essential on the RF (C1) as well, especially on 10 and 20 metres. And on 10 great care must be taken to keep the circuits in step as otherwise stations can easily be missed."

H. G. W.

### Rx ACTIVITY.

Rev J. RODGER (Oldmeldrum) has a O-V-O "Globe King" as the main Rx and also uses a 1-V-1 Mullard MB3. His QTH is in a notoriously blind spot, surrounded by hills, but, despite this, his main interest is the design of simple VHF gear.

G. H. GOODSPEED (Brentwood) has reminded me of "the good old days" in mentioning that he still has a few crystals and "cats whiskers" in the junk draw. By contrast he now uses a Torn E.B. (an ex-German field job) giving 40/3000 metres in 8 wavebands. He is at present experimenting with adaptations of the "ZL-Special" antenna.

J. WILSHAW (Bromley) has passed the last RAE and is now battling with the key. He wants to know if anyone has the circuit for TEST SET 73. QRA (just in case!): 4 Station Rd, Bromley, Kent.

P. HUNTSMAN (Hexham) announces the onset of a family scrap! He has converted the O-V-1 to O-V-2 and brother Ronnie has completed his QRP SH4. Challenges have been issued both ways. We shall be watching the 1952 C-Z Panel with interest; OMs.

J. I. MEARDON (Newton Abbot) wants us to run a BC contest this

year. Is anyone else interested? We are quite willing to do so if the demand is there.

MIKE WASSELL (Birmingham) has a special listening schedule in the hope of hearing a fellow member:- 7000/7200 Kc/s at 1900/2000 hrs, 3500/4000 Kc/s at 2035/2107 hrs, 1700/1800 Kc/s at 2135/2200 hrs, all GMT. He will be listening for a "CQRP" call on CW of fone.

E.W.GARDINER (Diss) has been rather QRT lately and is very disappointed that he could not get beyond the 99 countries in the C-Z Panel. (You'll have another chance this year, OM)

IAN GLEN (Coldingham) has had to pack his gear away temporarily in favour of "square-bashing" with the RAF. (Let's hope they put you in a radio branch, OM, and if you should ever be this way the door-bell battery will probably be running the heaters, but the knocker works)

A.L.F.WEST (late of Salisbury) has certainly been moving round a bit. After Wyton, Brampton Grange and St Athan in S.Wales he has finally ended up in Iraq

### THE Q R P BADGE.

The little green and yellow discs seem to have done their job excellently at the RSGB Exhibition, and everyone who was present on the Saturday afternoon seems to be in favour of introducing a permanent metal insignia for the Society, even though I have warned many of them of the relatively heavy cost of such badges these days.

Let me know how YOU feel about it, OM, and if there is a big enough demand I will get some manufacturers quotations. But, first, will you please ALL get busy on working out an appropriate design? I have already had one or two suggestions, but I will offer a years free subscription to "Q R P" as a prize for the best design received during the course of the next three weeks. It should be small, plain and yet sufficiently striking to stand out in a crowd.

..... THE QRP "200" CONTEST .....

The object of this new contest is to extend appreciation of the merits of QRP working throughout the widest possible field. The rules have been kept as simple as possible consistent with a maximum equality of conditions for all contestants and, while the qualifying scores are high (and thereby all the more valuable) they have already been proved well possible to achieve. The contest is open, not only to members of the QRP Research Society, but to all licensed amateurs without reserve, providing only that they abide by the rules of the contest and agree to accept the decision of the Society Council on any point arising therefrom.

The contest relates to Counties of the British Isles, the schedule of counties attached hereto being based upon the lists published in connection with the RSGB Low Power contests.

Three bands shall be eligible - the 1.8, 3.5 and 7.0 Mc/s bands only.

The contestants Tx may not at any time during any contest QSO exceed an input of 2 watts to the final valve and no preceding stage shall take more.

The QRP Research Society will issue a special certificate to all contestants providing proof of having worked a total of 200 or more counties composed of a minimum of 50 counties per band.

The commencing date shall be January 1st 1952 and all claims for certificates must be based on QSOs on or after that date. There will be no closing date in relation to the award of "200" certificates, so that claims accumulating for any period after the commencing date will remain valid.

In addition to the "200" certificates, separate certificates will also be awarded annually to the contestants returning the three highest scores during each yearly period, Jan 1st/Dec 31st.

Every contestant should forward QSO claims monthly to the Hon Soc for scrutiny and publication in the next available issue of "Q R P". These monthly returns should be sent in early in the first week of each month and should be written on a sheet bearing no other correspondence. They should be headed "'200' Contest", and bear the contestant's name and call sign. They should be laid out in the following sequence to show:- Contestant's Tx power, call and county of station worked, frequency, date and time and RST reports both ways.

With, or as soon as possible after their first month's report, all contestants should furnish details of the gear used, including Tx circuit, antenna and power supply data, and type of Rx. Details of any ensuing changes should be notified as necessary.

To members of the QRP Research Society there will be no charge for the award of either certificate, but to non-members of the Society a nominal fee of 1/- will be charged to cover the costs involved.

The schedule of counties appears on page 15.

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W A N T E D !

- (1) Miniature single section variable condensers, std: spindles.
- (2) 4-pin coils for 320, 160 & 80 m., or blank formers.
- (3) 0/50 mA meter - or near.
- (4) VR82 and VU33 valves.
- (5) Any gen relating to vibrator packs.
- (6) Data on master oscillator coil for 18 set Tx.

THE HESTER TROPHY.

The TOPS Hester Trophy was won by DL7AH with 41 points and it is a great pleasure to record that our own Bob Eldridge, G3AGG, gained second place with 40 points, using 4 watts input.

COUNTY SCHEDULE-

1: Aberdeen (GM)	33: East Lothian (GM)	65: Norfolk (C)
2: Alderney (GC)	34: Essex (G)	66: Northants (G)
3: Anglesey (GW)	35: Fermanagh (GI)	67: Northumber-
4: Angus (GM)	36: Fife (GM)	land (G)
5: Antrim (GI)	37: Flint (GW)	68: Nottingham (G)
6: Argyll (GM)	38: Glamorgan (GW)	69: Orkney (GM)
7: Armagh (GI)	39: Gloucester (G)	70: Oxford (G)
8: Ayr (GM)	40: Guernsey (GC)	71: Peebles (GM)
9: Banff (GM)	41: Hampshire (G)	72: Pembroke (GW)
10: Bedford (G)	42: Hereford (G)	73: Perth (GM)
11: Berkshire (G)	43: Hertford (G)	74: Radnor (GW)
12: Berwick (GM)	44: Huntingdon (G)	75: Renfrew (GM)
13: Brecknock (GW)	45: Inverness (GM)	76: Ross and
14: Buckingham (G)	46: Isle of Man (GD)	Cromarty (GM)
15: Bute (GM)	47: Jersey (GC)	77: Roxburgh (GM)
16: Caithness (GM)	48: Kent (G)	78: Rutland (G)
17: Cambridge (G)	49: Kincardine (GM)	79: Sark (GC)
18: Cardigan (GW)	50: Kinross (GM)	80: Selkirk (GM)
19: Carmarthen (GW)	51: Kirkcudbright	81: Shetland (GM)
20: Carnarvon (GW)	(GM)	82: Shropshire (G)
21: Cheshire (G)	52: Lanark (GM)	83: Somerset (G)
22: Clackmannon (GM)	53: Lancashire (G)	84: Stafford (G)
23: Cornwall (G)	54: Leicester (G)	85: Stirling (GM)
24: Cumberland (G)	55: Lincoln (G)	86: Suffolk (G)
25: Denbigh (GW)	56: London (G)	87: Surrey (G)
26: Derby (G)	57: Londonderry (GI)	88: Sussex (G)
27: Devon (G)	58: Merioneth (GW)	89: Sutherl'd (GM)
28: Dorset (G)	59: Middlesex (G)	90: Tyrone (GI)
29: Down (GI)	60: Mid Lothian (GM)	91: Warwick (G)
30: Dumbarton (GM)	61: Monmouth (GW)	92: W. Lothian (GM)
31: Dumfries (GM)	62: Montgomery (GW)	93: Westmorl'd (G)
32: Durham (G)	63: Moray (GM)	94: Wigtown (GM)
:	64: Nairn (GM)	95: Wiltshire (G)
96: Worcester (G)	67: Yorkshire (G)	



-28/16-

: : : : : C - Z PANEL ; The Final Placings For 1951 : : : : : :

1951 Series.	COUNTRIES					Zones
	3, 5	7	14	22	Total	Total
Mike Wasson	28	72	122	141	197	40
P. Huntsman	29	54	136	28	157	40
B. J. Reay	21	17	116	52	122	34
A. E. Stonestreet	17	19	69	38	105	28
D. G. Gordon	20	24	88	41	98	32
H. G. Wells	14	18	93	24	98	31
E. W. Cardinalet	19	22	31	37	99	27
P. Huntsman	11	8	55	-	60	25
D. White	4	4	52	5	58	22

Well done, Mike - your certificate will reach you in due course. And congrats on a grand effort, Peter; you certainly tried hard. OK. FOR 1952 THE PANEL WILL BE DEVIDED INTO TWO SECTIONS - CW and PIONEER.

THE TIC - WAVE PANEL.

	COUNTRIES			COUNTRIES			
	TOTAL	1, 7	1, 7	3, 5	7	14	22
3020MC	142	15	2	24	35	34	32
33LW	64	30	4	17	13	-	-
36QI	56	24	2	17	13	-	-
33GZA	27	16	4	6	1	-	-
33HBI	20	5	1	-	14	-	-
30EAP	20	6	3	1	5	5	-
33HOW	14	-	-	-	14	-	-

In 1952 this panel will be discontinued, it's place being taken by the "200" contest and a similar countries contest to be announced next month.

..... T R A N T E S T : Final Placings .....

As a contest Trantest had a number of shortcomings, though it did show up the main point it set out to demonstrate - the reliability of QRPP working. Like the Two-Watt contest, Trantest will not run this year, it's place being taken by the "200" contest & the Countries Contest to be announced next month. And, of course, there will be the Kalevekd Cup contest again as last year.

The winner of the 1951 Trantest was, as expected, GC2CNC, and a very fine job he did! So, too, did G5QI who gained second place with a magnificent Dec score. Their respective logs for Dec were:

	WORKED	MILES	Mc/s	WATTS	-X-	POINTS	TOTAL.
GC2CNC	SM4GL	940	3.5	0.10	3	28,200	
Jersey,	LACU	840	"	"	"	25,200	77,400
Calif.	DLNU	800	"	"	"	24,000	
G5QI	CA1FG	670	3.5	0.10	3	20,100	
Dorridge,	OR1XU	670	"	"	"	20,100	56,400
Dorridge,	DL1BS	540	"	"	"	16,200	

It is hoped that, whereas Trantest tended to encourage relatively short distance working, the new contests will encourage real Dx and that they will gain an even stronger and more widespread support.

N E X T I S S U E.

The next issue of "Q R P" is due for publication on Sat, Feb 6th. All matter for inclusion should be received by 6th, Feb. Unfortunately so much leeway had to be made up this month that space has not permitted the inclusion of a technical feature but a number of interesting articles are ready for next issue.