JOURNAL OF THE
Q R P
RESEARCH SOCIETY

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JOURNAL OF THE

Q R P SOCIETY

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:::::::::::::::: PUBLISHED IN THE LAST WEEK OF EACH MONTH ::::::::::

THIS MONTH EDITORIAL SPACE HAS BEEN HANDED OVER TO G3JNB, Vic Brand, our Society Press Officer, FOR AN ANNOUNCEMENT OF MOST VITAL IMPORTANCE AND INTEREST TO ALL MEMBERS OF THIS SOCIETY --

"OPERATION ARIES"

On the 22nd May 1954 the motor yacht "Aries" will sail from Kingston-on-Thames on a round trip to Kingston, New York.

Most of us, I think, are familiar with the famous "Kon-Tiki" expedition which sailed the Pacific to prove the sea-worthiness of the Inca's balsa rafts, and how the crew were assisted by their QRP wireless equipment.

The purpose of the voyage of "Aries", however, is quite the reverse; it is to prove the air-worthiness of special radio gear.

Our Society has been extended a special invitation to co-operate with the official shore stations in building up an accurate report on the efficiency of the apparatus with which the yacht has been equipped.

The "Aries" is sixty-one feet in length and for years has

served the coast of Cornwall as the Padstowe lifeboat. Thus, launched for the saving of life, it is fitting that she should play a part in the development of equipment which, if proved efficient by this trial, will be the means of saving life long after her own timbers have passed to the breaker's yard.

The radio installation will comprise the Pye 619 equipment of one HF transmitter with an output of approx 40 watts, one medium frequency transmitter with an output of approx 15 watts and a C.A.T. all-wave receiver. In addition there will be a Pye P.T.C.117 VHF radio-telephone and a Zenith H500 Transoceanic all-wave receiver. The aerial arrays will include hydrogen balloon equipment and ordinary dipoles for high frequency and medium frequency working, with a standard whip aerial for VHF.

In command of the yacht will be Commander C.Harcourt-Smith, RN (Retd). The navigation will be in the hands of Commander T.Hight, RNR (Retd), a former captain of the liner "Acquitania". Mr H.Barnes, at one time an officer in the RNVR, is to act as Deck Officer, and the Radio Operator will be Sub-Lieutenant E.Skelton, RNVR (G3JOQ).

Sub-Lieut Skelton has been making extensive arrangements for the operation of the expedition's official shore station at their H.Q. -- "Steadfast" in Kingston. Under the callsign MFH87, this station will handle the majority of the traffic for the "Aries". Both phone and CW will be in use and it is expected that any important information received from co=operating amateurs will be relayed via MFH87 to "Aries". Any such licenced amateurs may pass in their reports direct over the air to an amateur station, G3JOQ, which will be maintained at "Steadfast" and will be operational on 3660 Kc/s each evening. The operators of the G3JOQ station will be recruited from the Kingston & DARS and will include myself.

The expedition will undoubtedly rouse a great deal of publicity, both at home and abroad, and amateurs all over the world are asked to co-operate by sending in reception reports on the yacht's transmission.

This is where we, the QRP Society, can demonstrate our ability. To compile really full records of the coverage of the transmissions requires reports of reception on EVERY type of receiver from EVERY district in which it is possible to obtain a monitoring service. Whatever your receiver, be it O-V-O or full communications type, you can monitor some, if not all, of the frequencies given at the end of this article; reports should be comprehensive, giving date, time, frequency (if possible), callsigns of all stations, reports on the signals from the "Aries" and full details of the weather, antenna, receiver, etc. YOUR report can form a most important link in the complete chain of radio coverage. SWL reports should be despatched to the Hon-Sec, QRP HQ, where they will be classified and forwarded to "Steadfast". If you are able, get the information cleared from your station each week. Licenced members may either follow this routine, or report direct to G3JOQ as mentioned earlier.

Further details and results with intermediate progress reports and the sailing date for the return voyage will be published in "QRP" as and when available.

Operation Aries is a challenge to us all! The eventual success of the expedition depends upon the extent to which we, the amateurs, will cooperate. Let us not fail these four gentlemen who have undertaken this mission and who's lives COULD be in our hands should an unforseen emergency arise.

OPERATIONAL DETAILS:-

Whilst the "Aries" will be in contact with a large number of official shore stations over a wide range of frequencies, it will not be possible, unfortunately, to work amateur stations. Listeners are advised to monitor on the following schedules:--

M.Y. Aries:- Callsigns, GRVM, and "Aries R for Roger".

Watchkeeping Stations:-

"Steadfast" W.T. -- callsign MFH87. 1930/2100 GMT Mon/Friday.

1030/1200 GMT Sunday.
Windsor RNVWR -- callsign GXB51. 1930/2100 GMT, Tuesday only.
London RNVWR -- callsign MHJ51. 1100/1900 GMT, Mon/Thursday.
Main Traffic Frequencies:-
2325--2395--2660--2670--4455--4880--5320--8160 Kc/s.

Whenever possible contact will be established with weather ships on 500 Kc/s, 118.1 Mc/s and 121.5 Mc/s. Aircraft of the RAF and civil airlines will be notified of the vessel's position and asked to co-operate in the VHF tests. Phone transmissions are expected to be made at 1130, 1430, 1630 and 1930 hrs GMT on Mondays to Fridays on whichever of the above frequencies give most satisfaction. It is anticipated that, in spite of the low power of the equipment, contact with this country and with the USA will be maintained on either CW or RT throughout the voyage.

DESIGN OF QRP SUPER-HETS,
by David White, G3JKA.

DETECTORS and AUDIO AMPLIFIERS

There are several types of detector to be considered and the least important will be taken first -- the super-regenerative detector.

As far as QRP receivers are concerned, the only place where the characteristics of this type of detector would be of advantage is in the IF strip of a VHF receiver. Such a receiver is rather outside the scope of this article.

Next -- the diode. This type is the most common and, for general purpose work it is difficult to see how the results can be bettered. Fig 1 shows the most usual circuit arrangement. If, in this circuit, R is at least 100 times Ra (where Ra is the internal impedance of the diode) and C is greater than a certain limiting minimum value, then the detection efficiency will approach 100%. Unfortunately these cond-

itions would give rise to a certain amount of distortion. Thus, in the case of the domestic BC set, some compromise id essential. For our purpose, however, we are not concerned with a small amount of distortion so that, if necessary, it would be quite in order to raise the value of C slightly above the normally quoted value.

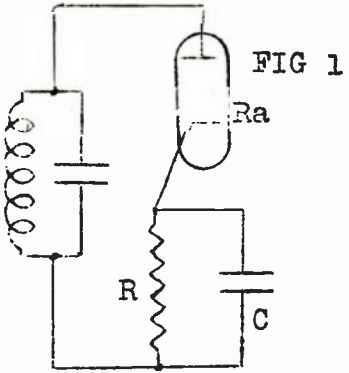

FIG 1

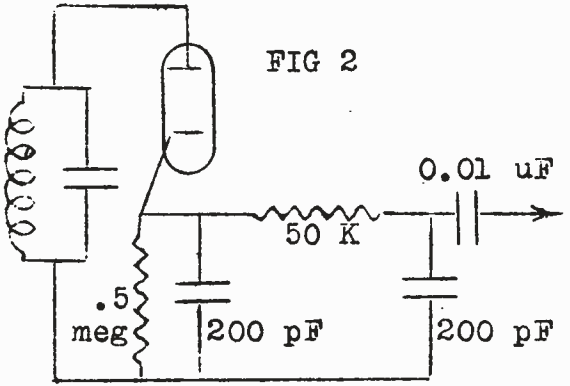

FIG 2

Since there will be an appreciable RF ripple appearing across C it will be necessary to insert an RF filter as shown in Fig 2. Values shown here are suitable for an IF of 465 Kc/s.

From our point of view the diode detector has one serious drawback. During the half cycle when the diode conducts, an appreciable damping load is shunted across the preceeding tuned circuit. Averaging this load over a complete cycle it approximates to a resistance of half the diode load.

The next form of detector to be considered, the "leaky-grid" type, also suffers from this defect and, unless regeneration is employed, gives no more sensitivity than a conventional diode followed by an audio amplifier. It overloads much more easily than the diode and generally is not a satisfactory detector

(To be continued next month)

:::::::::::: TEST EQUIPMENT FOR 2 METRES - G3HCW ::::::::::::::

(Continued from last month)

(THE EDITORIAL STAFF OF THIS JOURNAL HAS, RECENTLY, BEEN PRIDING ITSELF UPON COMMITTING A MINIMUM OF REGRETTABLE ERRORS; PRIDE, AS ALWAYS, COMES BEFORE A FALL -- AND WHAT A FALL WE TOOK LAST MONTH! WE DO NOT PROPOSE TO APPORTION ANY BLAME FOR THE MOST STUPID ERROR WE HAVE EVER COMMITTED -- WE SHALL MERELY OFFER OUR MOST HUMBLE APOLOGIES TO G3HCW FOR GIVING THE CREDIT OF THE FIRST PART OF THIS ARTICLE TO G3BII AND TRUST THAT HE WILL ACCEPT OUR SINCERE REGRETS).

When the super-regen has tuned it's highest possible harmonic the coil should be changed for one of two turns less and an harmonic which has already been transferred to the wavemeter should be tuned in. This can be checked by using the wavemeter to check the harmonic frequency, and counting can then proceed upwards as before until it becomes necessary again to change the coil with one of two turns fewer still. If the harmonics become too weak it is only necessary to bring the calibrator nearer to the super-regen coil.

By this means the harmonics can easily be counted up to the 25th which will be 175 Mc/s. A note of each calibration point on the wavemeter MUST be made as it is found, otherwise one is likely to be lost. When complete a graph is drawn plotting wavemeter dial readings against frequency -- a smooth curve should result and if there is a "jump" in the curve it is certain that an harmonic has been lost.

If the super-regen has been well made a one turn coil ($\frac{3}{4}$" dia) should easily give the harmonic around and above 2 metres (140 Mc/s, 147 Mc/s). The wavemeter coil should only be brought near enough to the super-regen to give a small reading.

SOME OPERATIONAL NOTES:-- (1) The antenna should be coupled as tightly as possible, but DON'T stop the oscillation by too tight coupling. It will be found that the coupling will have to be varied

throughout the VHF spectrum. (2) A centre-tapped coil, 10 turns, ½" diam, 16 swg should tune in 48 Mc/s correctly. (3) Run on or near TV frequency as little as possible -- they are fierce little TVI bugs! (4) It may be better to use a 5 meg grid leak in parallel with the grid condenser rather than the arrangement shown. (5) If the super-regen locates the harmonic quite nicely on 147 Mc/s you can easily spot it on the 2 metre band using the absorption wavemeter.

Don't forget -- success hangs or falls on the correct calibration proceedure. DON'T HURRY -- take your time and repeat the whole thing twice or three times if you are not sure.

(Next month--The Grid-dip Oscillator.)

:::::::::::::::: SOCIETY NEWS & ACTIVITY ::::::::::::::::::

EDGWARE & DISTRICT RADIO SOCIETY, G3ASR, receive a warm and most sincere welcome as our latest "affiliated" Society and we hope that their Hon-Sec, E.W.Taylor, G3GRT, will keep us posted each month with news of their QRP activities. We ourselves hope to meet them all in person before very long.

ARTHUR LOONEY (Liverpool) who will be remembered as one of our foundation members, is still keeping an active interest in our affairs (and in personal touch with several of our members) despite the heavy demands on his time made by the Liverpool club of which he is Secretary. He offers an afternoons hospitality to any of our Forces members stationed in his district (drop him a PC first, OMs)

BORGE PRYTZ, OZ5BP (Klampenborg, Denmark), another of our welcome new members this month, runs 1.5 watts at present with a BC343, but is thinking of building a transceiver with dry battery supply, a throw-out antenna and maximum possible miniatureisation. We should all be interested to hear how this progresses, OM.

(Continued on page 9)

:::::::::::::::::::: THE QRP "200" CONTEST ::::::::::::::::::::

ALL TIME RECORD:	COUNTIES WORKED (Mc/s):- 1.8	3.5	7	TOTAL
1: G2AOL	73	64	40	177
2: G2BOF	69	62	44	175
3: G3HJL	11	60	-	71
1954 ONLY RECORD (For the "200" Cup, now held by G2BOF):				
1: G2AOL	28	14	7	49
2: G2BOF	37	3	-	40
3: G3HJL	4	13	-	17

:::::::::::::::::::: TOP BAND SWL PANEL ::::::::::::::::::::

COUNTRIES (X) / COUNTIES (Y) for:	ALL TIME (X)--(Y)	1954 ONLY (X)--(Y)	TOTAL A.T--'54
Peter Huntsman (Hexham-on-Tyne)	13/58	9/39	78/48
D.G.Gordon (Bournemouth)	6/52	4/24	52/28
N.Bason (Peel, Isle of Man)	8/51	3/23	59/26
E.Gardiner (Diss, Norfolk)	4/35	5/18	39/23
W.B.Baker (Berwick-on-Tweed)	8/60	-/-	68/-
H.G.Wells (Waltham Cross)	7/39	-/-	46/-

THE 1954 QRP C-Z PANEL :::::::::::::::: FOR THE PARTRIDGE CUP

COUNTRIES heard on:--	3.5	7	14	21	28	Total	ZONES	Grand Total
Peter Huntsman	20	55	96	2	-	105	34	139
E.W.Gardiner	7	-	50	22	-	57	19	73
Norman Bason	20	25	42	-	-	54	14	68
D.G.Gordon	16	2	22	3	-	32	12	44

(continued from page 7)

H.G.Quilliam (Liverpool) gets a welcome as still another of our March newcomers and, like several others, deserves our apologies for delay in fixing up his Student Scheme requirements -- he will have noticed in last month's issue, and elsewhere in this one, that the unexpected influx of "Students" has left us temporarily in difficulties over "tutors". We haven't forgotten you, OM

NORMAN BASON (Peel, I.O.M.) has completed a 2 metre Rx rebuild and the result was immediate success -- let's have the full gen, OM. We haven't had anything from you for quite a while! And tnx for the other suggestion -- that scheme already operates in some sections of the Society and might well be expanded. We'll keep it in mind.

ALEC CLARK, G3BII (Beaconsfield) has been suffering from an amazement complex during early April owing to finding himself the author of an article (on 2 metre test gear) which he didn't write! Sorry for the upset, OM, but I notice that it hasn't prevented you getting out on 144.72 Mc/s, phone and CW with 6 watts, one product being ON4BZ who gave a report of 579. Right this time, OM? Send us in the whole gen - it sounds interesting. Oh, and congrats on your forthcoming marriage, OM!

TED STONESTREET (Willesden Green) is doing a fine job of work getting our new VHF Section together and has sent in screeds of gen on the activities of various members, but, as far as I can see, he has not mentioned his own efforts on VHF. Let's hear something of YOU sometimes, OM.

CLIFF LEAL, G3ISX (Welling, Kent) is busy trying out different designs for an 80-40-20-10 exciter to be used with a T2FD for 40,20 and 10 and with a long wire for 80. 160 is to be covered with a seperate rig for phone, CW being used on all other bands.

GEORGE PARTRIDGE, G3CED (Broadstairs) is trying out a compact PA output/antenna tuning circuit which provides efficient doubling in the PA. We hope to hear more of this as initial tests seem very promising. George asks if anyone can supply the identity of three BBC VHF expt stations, fairly evenly spread between 70 & 90 Mc/s.

ERNEST ASHBY, G3HCW (Knottingly) has been getting in more time on Top, 5 watts producing 55/69 reports from GM, GI, GW and S.Coast stns after dark. GW and Northumberland have also been worked on 4 W on phone. Daylight CW has covered 100 miles and daylight phone 60.

D.G.GORDON (Bournemouth) has become a VHF "addict" and has got a receiver airborne on two although he has not found a great deal of local activity on the band, Dorset and the Isle of Wight having been the main sig providers so far.

D.R.VEZEY (Bletchley, Bucks) who is yet another of those who have joined us this month (let me add a public welcome to my personal letter, OM) will shortly be adding a new call to our lists. He has been a Merchant Navy Radio Officer until recently and his particular interest is in D-F work.

JOE O'HANLAN (Inverkeithing) is anxious to get hold of any data on the Phillips CR101A Rx -- can any one oblige, please? QRA: 7 Knowe Terrace, Inverkeithing, Fife.

IAN GLEN (Coldingham)is back to his civilian job at last, but finds his radio "time" much reduced. He has a copy of the H.G.Wells 1-V-2 under construction, and a 10 metre rotary beam waiting for a motor -- can any one help here, either with a motor or with gen on a likely source of supply?

DEN AUTON, G3IHI (London, W 14) is up and about again we are glad to report and we know that a lot of our readers will want us to wish him all the best on this score. As he is now working in London his station is pretty well QRT, but he seems to be enjoying his work which is connected with the manufacture of the ET4336 ($\frac{1}{2}$Kw) Tx. Den is anxious to hear of a room available in the home of some member of this Society resident within reasonable distance of Hammersmith where he would be able to get a /A station on the air again.His present QRA is 20 Edith Rd, West Kensington.

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:::::::::::::: "QRP SOCIETY" SPARES SERVICE ::::::::::::::::

(For ALL items apply to SPARES MANAGER;- G3CED, 17 Ethel Road, Broadstairs, Kent. Enclose SAE...PLEASE!)

WILL ALL MEMBERS OF SPARES LIST ROTA PLEASE NOTE THAT, at least for time being, ROTA IS SUPERCEDED BY LISTS IN "Q R P" as under.

FOR SALE :-- (1) BC Rx. "Aerodyne" Model 301 AC Super-het. Cost £27.10, 210-250v AC, 16-50, 200-550, 800-2000 metres. Gram input. AZ31, EL33, EBC33, EF39. ECH35. FB condx. Sacrifice £7.10.0 or exch. (2) BC Rx. "Utility" model 4 valve super-het. Medium wave only. Practically new condx. £3.10.0 or exchange for W.H.Y. (3) 8" L.S. complete with matching transformer & vol control in polished cabinet, new condx. 30/-. (4)Vitavox "A" super quality MC mike complete with desk stand, oxydised black, cost approx £10. Sacrifice £3.0. or exch. (5) Stage mike, MC, adjustable stand (floor). FB condx. £2.10 or ex. (6) 3" MC Goodmans LS, 10/6. (7) Valves -- all at 5/-: 12SQ7,7B7, 12SA7,U78,X78,N78,6SN7GT,1A5,1C5,UAF42,UB41,UF42. All at 4/-: 5Z3 (5) 1299A. All at 2/6: MHL4,ML4,41,6J5,6SH7M,1LA5,1LD5,VR92,HA1.

ALL ABOVE ITEMS CARRIAGE PAID EXCEPT OVERSEAS

WANTED :-- Two 12A6 valves. RF 25 unit. Grid Dip Meter. Good quality high resistance phones - URGENT!

:::::::::::::: 145 Mc/s RECEPTION CONTEST ::::::::::::::::

The rules of this contest, which were announced in our January issue, raised quite a hue and cry over the point excluding converters. The number of comments received proved that the contest had good prospects of being popular and we asked the Contests Committee to reconsider the rules, with the result that convertors are now to be allowed providing that the total consumption of convertor and Rx

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(Continued from page 10)

J.A.CUSDIN (Polegate, Sussex) comes in for another new-member welcome this month with an especial interest in VHF (Ted Stonestreet please note -- special request to join your Section: Capt J.A.Cusdin, 25 Southfield, Polegate, Sussex -- please get in touch). The gear at present is a 954 RF, CV6 super-regen, SP61 AF for 90/150 Mc/s, and still being designed a CV6 osc/954 mixer/SP61 IF/6H6 discriminator for FM.

PETER HUNTSMAN (Hexham-on-Tyne) is having great success with a new antenna -- 66 ft "L" fed with 16'6" of 600 ohm open wire, feeding into a tuning unit as suggested in an early issue of "Q R P". Initial logs look something like a supplement to the Call Book. The famous 0-V-2 is now switched for four bands, and a 6J6 2-metre convertor is under construction to feed into it at about 10 Mc/s.

W.W.GARDINER (Diss, Norfolk) has really begun to get settled in to his new QTH and has got a N/S long wire erected above a genuine shed-type shack. (Looking forward to hearing more from you, OM!)

ALLAN HERRIDGE, G3IDC (Balham) has analysed his first 2½ years on the air -- he has had 576 QSOs with 294 stations in 13 countries & 33 counties, with 10 countries confirmed. He also asks for a monthly list of new members (Space permitting, we will, OM.)

TONY COCKLE, G3IEE (Kingston) gave a demonstration of his transistor Tx to the QRP Section, Kingston & DARS during the month and the result seems likely to be quite a crop of copies locally.

TRAV TURNER, G2HAW (Hounslow) has had a QSO with Tony and is so enthusiastic about the transistor's signal that he, too, is keen to get working on one. Like many others Trav is eager to have a QRP Hamfest this year (We are working on plans for a "do" during the RSGB Exhibition Saturday, OM, and shall have an announcement to make shortly)

We regret that, again, some 50% of the interesting letters we should like to quote must be held over.

STATION G2AOL

Sam Hall began his active amateur career in 1935 as an SWL mainly interested in Dx and, from then till 1948, he collected an HBE certificate, QSLs from 100 countries and the Reception Cup B.E.R.U. (as BRS15024). In 1948 a 27 unit was modified to a 5 metre convertor and, struck by the lack of QRM and the general amiability of the VHF inhabitants, Sam applied for a ticket and got his old pre-war AA call sign. He stayed on 5 to the "bitter" end and then migrated to Two where he has been active "on and off" ever since with a variety of Txs and converters, always exclusively CW. He has experimented with phone on 160 for a few days but has never found time to do more owing to the time devoted to his efforts in the QRP "200". The 2 metre gear is:--EF91 CO, EL91 quintupler, EL91 doubler, EL91 doubler, PP6C4 PA (Mc/s per stage: 7.253/36/72/144); 10 to 12 watts to the PA. The rig is only $3\frac{1}{2}$"x$2\frac{1}{2}$"x7". At the moment difficulty is being experienced with TVI. The Rx is a G6VX type converter, Xtal controlled, using 12AT7 CO/multiplier and 12AT7 grounded grid triode RF stage/mixer (the design was first published in SWMag in 1949 or '50 and was later revised by ON4BZ who seems to have got all the credit). The main Rx is a CR100. The antenna is a 4-element Yagi which has varied at different times between 14 and 30 feet high. Best Dx with this gear has been GC3EBK, GW5MA and G3APY/P (Staffs), all 100% QSOs. F, ON, PA, DL have all been heard, but the location makes it practically impossible to work to the east.

STUDENT ADOPTION SCHEME T U T O R S ARE STILL URGENTLY REQUIRED. Many students have already been "fixed up", but almost as many are still waiting (patiently, we hope!) to be introduced to a "tutor". We must crave their indulgence as the intake of student members is very heavy indeed. WE MUST HAVE MORE VOLUNTEERS FOR TUTORSHIP, from among our experienced members. DO PLEASE TREAT THIS AS U-R-G-E-N-T.

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does not extend the permissable 3 watts (allowed by the 1954 power allocations. This delay has necessitated putting back the commencement of the contest to the 1st May. The rules now stand as follows:--

(1) The contest shall cover each 12 months from May 1st to April 30th. (2) The 2-metres amateur band only shall be used. (3) Any type of receiver or converter/receiver may be used, either mains or battery, but they must be home made and they must conform to the QRP power maximum of 3 watts HT TOTAL consumption. (4) Stations heard are to be logged once only IN EACH REPORT. (5) Entry reports are to be sent in to "Q R P" EACH MONTH. (6) Scoring to be -- Total mileage of all stations heard multiplied by the total number of stations. Reports to be made out as follows:--

Heard	G1WIZ, miles 20	Total distance (miles)	91
"	G2QRP, " 29	" stations heard	3
"	G7POO, " 42	Score	273

All we want now are your entries -- get busy, VHF Section!

:::::::::::::::: QRP SOCIETY MEMBERS CALL LIST ::::::::::::::::

Please ADD to your Call List:-

G3ASR: Edgware & District Radio Society (affiliated)
G3GET: P.J.Coppins, 32 Hardwicke Rd, Dover, Kent.
G3GRT: E.W.Taylor, 241A Burnt Oak Broadway, Edgware.
G3IME: Tony Cockle, 96 Latchmere Rd, Kingston.
G3IIT: J.R.Foster, 145 Cambridge Rd, Trumpington, Cambridge.
G3ISC: F.Colborne, 118 Packsfield Rd, Fakenham, Norfolk.
G3JHV: Dartmouth & District Radio Society (affiliated)
OZ5BP: Borge Prytz, Damgaardsvj 27, Klampenborg, Denmark.

Please DELETE from your Call List:-

G2BAM:- C.H.P.Verrinder, 4 Church Path, Iwerne Minster, Blandford

:::::::::::::::: DARTMOUTH & DISTRICT REPORT ::::::::::::::::

An Anti-TVI campaign has been carried out on the club's gear and, with the longer openings on 14 Mc/s increased activity is now expected. Unfortunately the location and antenna arrays preclude operation on 80 or 160. One member, Ron Coleman, is taking the RAE in May (Good luck, OM) and another, G2DPP sends the following log, gathered with 5 watts during March 6th to 15th. Tx is a 6J5 Pierce osc. into a TT11.

3.5 Mc/s: G3JAB, F7DB, SM7MV (14 Mc/s dipole, pi network)

7 Mc/s: OZ5WJ, YU3ABC, 3V5AN, HB4FE. OZ4PS, HB9PA, DL9LS, GM3HGU, OZ3SN (66 ft US1AA).

14 Mc/s: OH2LX, OH5PX, OH3SG, OH2ML. SM2RF (Half wave dipole).

::::::::: QRP SECTION KINGSTON & DISTRICT REPORT ::::::::::

In order to cope with increased activity it has been decided to organise all meetings on a formal basis. Reg Henson has been elected chairman and meetings will take place at least once a month. The new licence regulations have encouraged arrangements for /A work to commence at the earliest opportunity "as a section". Transistors are taking priority in the plans of several members following the talk and demonstration by Tony Cockle on April 14th. The Section Sec G3JNB, already has a transistor Tx ready for air tests. Gerry Alderman is "swatting" for the next RAE and Reg Henson is working out some neat ideas for /A gear and hopes to produce the prototype within the next few weeks. The Section expects to participate in the operation of the Steadfast station, G3JOQ, details of which appear in this issue. A mounting interest in all things "QRP" is being shown by the Section which has every prospect of increasing it's member ship in the near future.

:::::::::::::::::: Q R P SOCIETY VHF GROUP ::::::::::::::::::::

D.G.Gordon has got his Rx lined up on Two after a period of wandering among the police, Wrotham and London Airport, initial receipts being G5TZ/A in the Isle of Wight. Alec Clark, G3BII, having got over the shock of reading the article he didn't write last month, worked F8AA at 579 both ways and G3HCU; he had a good spot of condx for his sked with G3FUU. Alec is anxious to fix a sked with GC2CNC (MONTY PLEASE NOTE, the QRA is Harrias Cottage, Hedgerley Lane, Beaconsfield). Group Sec, Ted Stonestreet, has been doing some research among back numbers of SWMag & has found an interesting Tx/Rx for centre-tapped 1.4v or 3.2v valves. The Rx section uses the 1291 UHF triode and Ted has a rig under construction. Ted heard Trav Turner, G2HAW, during the month in QSO with G3IUE and members of thw Willesden Club, but he has listened during the last seven Sundays for the Kingston QRP Net without any reward.

:::::::::::::::::: Q R P SOCIETY REUNION, 1954 ::::::::::::::::::

Following the most successful impromptu "teafest" at the RSGB Exhibition last year it was decided to make the event an annual reunion of the Society. The large number of enquiries which have already been made prove that the idea is a popular one and, in order that we may have some forecast of the approximate size of the gathering to be expected for this year, it would be appreciated if ALL THOSE WHO WOULD LIKE TO ATTEND WILL PLEASE LET US KNOW as soon as possible. We realise that it is too early yet to know exactly what you may be doing next Nov, but it is not too early to begin making arrangements for accomodation, so, if you think you could possibly make it on the afternoon of the 27th November (Saturday) do let know NOW. Full details will, of course, be published in "QRP" in due time but MAKE A NOTE OF THE DATE IN YOUR DIARY as soon as you read this and try not to let anything interfere with your our first organised gathering.