

MERCURY



**THE JOURNAL
OF THE
ROYAL SIGNALS
AMATEUR RADIO SOCIETY**

NUMBER 45

AUTUMN 1973

ROYAL SIGNALS AMATEUR RADIO SOCIETY
(AFFILIATED TO THE RADIO SOCIETY OF GREAT BRITAIN)

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Normal call-sign : G4RS. Special Event call-sign : GB3RCS. RSARS CCF call-sign : G4CCF
Locations : G4RS - Blandford Camp. Grid Reference : (1" Ordnance Survey Sheet 179) 921 091.
QRA Locator : YK10a. WAB Area - ST 90. GB3RCS - As required. G4CCF - with G4BTW.

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Editor : Captain (TOT) J. COOPER, Royal Signals, G3DPS (Address as above)

Publication : SPRING - April, SUMMER - July, AUTUMN - October, WINTER -
January

Distribution : Members only, plus complimentary copies.

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EDITORIAL

G3DPS

Time seems to pass ever more quickly, already the evenings are drawing in, and the time has come again to get "Mercury" to the printers. Fortunately, there was no problem filling this one - thanks to several members who have sent along very welcome contributions. If YOU feel you could write something for "Mercury" please have a go. It doesn't have to be highly technical (although technical articles are always welcome). It could well be a personal theory expounded, as G5VO did with his Sporadic E article. Perhaps a personal-type article like 9M2DQ's in this edition. Perhaps a bit of history - the field is very wide. I'll be looking for YOUR article for future editions.

With this issue we say au revoir to Ken, G2KK, who leaves England for New Zealand. Ken has been a keen supporter of the RSARS since joining and his cheery voice and good humour will be missed on the 80 Metre Net. It is certain that we have not heard the last of him and if there is a way for a ZL to get into the 80 Metre Net it is certain Ken will find it. On behalf of all members I would like to take this opportunity of wishing Ken, Sheila and family every success in this venture - God Speed and Good Luck.

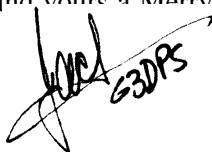
The attention of all members is drawn to the RSARS Net details published inside the back cover. The higher frequencies have been changed slightly, from --80 to --75. This has been done to overcome a commercial harmonic that some overseas members find on 14-180 (possibly from the 40 Metre commercial band) and to clear frequencies normally used by the slow-scan boys. Several letters recently received from overseas members show that they are keen to work the UK members - so why not give the '75s' a whirl?

This edition contains some details from a letter received from R.S.G.B. in reply to one about several topics, perhaps the most of which was regarding the Band Plan. It has been reported to HQ that many stations (including some RSARS members) have been working in the accepted CW portion of the Bands - particularly 80 Metres - on 'phone. One or two members have written to HQ on this subject and the majority vote appears to be for keeping the Band Plan but NOT writing it into the licence. The R.S.G.B. publishes the fact that as an IARU Society in Europe it supports the Band Plan but it is not known what action has been taken against R.S.G.B. members who violate this "Gentlemen's Agreement".

The Society has recently purchased a further stock of QSLs - 50,000 to be exact. The price of these now includes VAT and, consequently, a slight increase in price to members is anticipated. At the time of writing your Council is considering final prices. Needless to say, any increases will be kept to a minimum, but it would appear that the following prices may have to apply : BASIC QSLs - 100 = 60p, 500 = £2, 1000 = £3-75p, and Overprinted QSLs - 500 = £3-25p, 1000 = £6-25p This increase covers additional cost of card and printing, VAT and a small increase to the Society printer. Talking of the Society printer, John goes into hospital very shortly for a short stay. We wish him well and a speedy return home. In the meantime, please forgive any delays with overprinted cards. The new cards, by the way, are very similar to the previous ones, except that the printing on the front is 'straight across' instead of curved. This saved a penny or two!

It was interesting to listen to "In Touch" on BBC Radio 4 at 1702 on 26th August when G3ZGG talked about and gave a demonstration of what Amateur Radio means to the handicapped. The taped QSOs included G3YUF, G4AUJ, G3ZFA and HB9ADN and mention was made of the Bedfast Club and the regular White Stick ("Guide Dog") Net on 80. G3ZGG described Amateur Radio well in the limited time available assisted by some sensible questions from the interviewer.

In view of the fact that the next Editorial is due after the Festive Season may I take this opportunity, on behalf of all at Blandford, of wishing you and yours a Merry Xmas and a healthy and prosperous New Year.

A handwritten signature in black ink, appearing to be 'G3DPS', with a stylized flourish underneath.

HQ CORRESPONDENCE.

Recently the General Secretary wrote to the RSGS seeking clarification of several points including the RSGB Jubilee Contest, Affiliated Clubs, and The Band Plan. As members will be aware, the RSGB circulated their Affiliated Clubs (including the RSARS) suggesting that the various Clubs should support the Jubilee Contest by providing additional prizes for Club members who ranked highest in the Jubilee Contest results. This was agreed by the RSARS but, as a result of a letter from a member, it became apparent that these prizes could only be awarded to RSGB members, thus making members of the RSARS ineligible for these RSARS Awards. This was an error by your General Secretary who would like to take this opportunity of apologising to any RSARS member who may feel that he has been made ineligible for the RSARS-sponsored awards. The remainder of the letter is self-explanatory, although it is felt by your General Secretary that the paragraph on the Band Plan could have said more on current RSGB attitudes and actions to this Region 1 Plan.

Dear Captain Cooper,

The rules of the Diamond Jubilee HF Contest as published in the February issue of Radio Communication page 117, stated under Rule 2: "Eligible Entrants - all paid up members of the RSGB resident in the British Isles." All RSGB Contests require that UK operators be fully paid up members of the RSGB with the exception of the affiliated societies contest. This latter Contest is for affiliated societies, and the requirement there is for the society to be in paid up affiliation to the RSGB.

Your member therefore is not eligible to enter the contest in the first instance.

The RSARS, in offering a plaque to the leading RSARS score, were in fact offering a supplemental prize to an entrant in an RSGB contest. The council of the RSARS must surely decide on the terms of reference for an award, and the only possible course of complaint in this instance is that the Council of RSARS did not state that the award could only be made to members who were eligible to enter the contest.

I do not think that any blame can be attached to the Council of RSARS in this matter, as they were entitled to assume that anyone taking part in the contest had made themselves aware of the rules beforehand.

With regard to the last part of the third paragraph of your letter, I do not think it is correct to say that you have debarred a member of the RSARS from competing for RSARS Awards, but you have a member who is ineligible for the award.

My own personal feeling is that your member is trying to get the best of both worlds. He does not wish to belong to the RSGB for personal reasons, yet he wishes to enter a contest run by the RSGB for its members.

With regard to the second part of your letter, the only criticism that one can make is that in commenting on the invitation to affiliated societies to offer some form of incentive to their members, the RSGB did not state that the highest placed member of an affiliated society must also be a member of the RSGB. This was hardly necessary as it had already been written into the rules.

With regard to the advantages of a club or society becoming affiliated to the RSGB, you have in fact set these out in your letter. (Receipt of 'RadCom' and use of the QSL Bureau by the Club station - Ed.). In addition, we are always willing to help clubs with tape recorded lectures from the library, we will endeavour to arrange for speakers at Club meetings, and clubs do benefit from the fact that we are in a stronger position in dealing with the MPT if we can say that we have the support not only of radio amateurs, but also the clubs as well.

The band plan is of course not mandatory, and there are of course a number of operators who wish to assert their right to use any part of the amateur bands and deliberately ignore the gentlemen's agreement. The majority of amateurs adhere to the band plan, but there will always be this minority who do not do so. We are aware that there have been occasions when CW operators have been asked to move lower in frequency but equally there have been occasions when 'phone operators have been asked to move out of the traditional CW segment. We can only ask amateurs to

behave in a tolerant manner, but unfortunately it is the fashion these days to be intolerant of anything that does not suit one.

In case you think I am prejudiced against the younger generation who are inclined to think in some cases that good manners are a sign of weakness, I must make the point that I am well aware that there are amateurs who have been licensed for many years whose manners leave much to be desired.

Yours sincerely
(Signed) D.A. Findlay
General Manager.

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PHOOEY TO SPORADIC 'E' - PHOOEY!

G3VSA/292

(The following came in the form of a letter from Stan, G3VSA and is presented here in article form, as a reply to the interesting article "Sporadic-E - Phooey!" by Jack, G5VO which appeared in the, July - Summer) 1973 edition of "Mercury". - Ed.).

First reaction is that the article appeared in the wrong issue of "Mercury", and should have appeared in the Winter '72 or Spring '73 issue, in time for April 1st!. However, presuming that Jack means what he says, here goes.

Taking the 'Mirror' theory first; which was, after all, the whole point of the article; it appears to me that Jack has confused the issue of whether Sporadic 'E' exists or not, by admirably describing the mechanics of the extended tropo opening, and on reading the article for about the tenth time it seems to me that Jack has said nothing to indicate the mechanics of a Sporadic 'E' opening at all!.

In fact, he has not raised one question to throw doubt upon the existence of the phenomenon as we know it. The normal relationship of adjacent areas of high and low pressure, and the effects of Polar air coming down from the North at the junction of the two areas and 'pushing under' (perhaps here it would be more apt to say 'being overlaid') by warm air, are well known, and have been for many years now. However, it will also be known to experienced VHF men that the best openings invariably coincide with the trailing edge of high pressure areas - i.e. the Western edge - from which stems the fact that anti-cyclones revolve clockwise in the Northern Hemisphere and that on the Eastern side of them air will be moving from North to South, normally towards areas of higher surface temperature, leading to increased convection and turbulence, which raise and spread the boundary between the two, thus producing non-DX VHF conditions. On the Western edge the situation is reversed, the boundary becomes lower and more pronounced as stable conditions exist below, and more frequently produces VHF DX conditions. Obviously other factors are important, such as the contrasting sharpness of the refractive index and the height of the boundary above ground, which means that, for a given path, there will be an optimum height of the boundary. This fact has been borne out by observation over many years and few people would challenge the validity of results.

The fact that more openings occur to the South than to the North must surely stem from the fact that Southern latitudes are normally warmer than Northern latitudes, and there will be larger areas of stable warm air at ground level accordingly!

Reverting to Jack's 'Mirror' theory - on the Eastern edges of our anti-cyclones, where DX paths do not normally open - air mass boundaries occur normally at heights of one mile or less (850 millibars or thereabouts), and would therefore give calculated ranges of, say, 50 to 400 miles for a given favourable path - although the possibility of multi-hop propagation under these circumstances especially over sea paths complicates things somewhat, and there is some evidence of skip effect over DX distances under these conditions. To obtain a 'condensation' mirror at sufficient height to work DX would require that the moisture content of the air must be high; fair enough, rising air which is cooled or cooling will require less moisture to saturate it than would air at a lower level, BUT to achieve DX results by Jack's theory - by which I mean distances of 400 to 1500 miles in one hop, or 1500 to 2500 miles by two or more hops - then that mirror would need

to be at a height of some 50 miles above the Earth's surface, and I think Jack will agree that it would have fallen as rain long before it had reached that level!

Still on the 'mirror' theory, Jack says that if you fire a signal at it from the South, you will hit the BACK of the layer, and your signals will be reflected into space, with the possibility of a reply in a billion years time! (Careful, Jack, UFO's are everywhere these days!). On the 6th July 1970 - in the late evening - on 70-20 MHz I worked TF3EA at 5-9-9 both ways and was copying the TF3VHF beacon 5-9-9 at the same time. This opening followed a day of non-stop motoring at this end, noting the gradual swing to the West of the stations appearing on the 4 Metre Band. From early mid-morning I had monitored the Band continuously, listening to the chorus of Iron Curtain broadcast stations in their FM BAND, which continued throughout the day unabated, except for the peculiar QSB effects one always notes with (dare I say it!) Sporadic 'E'. At around 2100 hours someone threw the switch, and the row from the East disappeared completely, at which point I started tracking between North and South to check which way the patch moved; it had normally appeared to move NE to SW in previous openings of this type, and had usually ended with the French commercial stations, Spanish taxis in Barcelona and the odd North African station to ring the curtain down! - on this occasion, however, 'twas the TF3 beacon which heralded the DX mans dream of 4 Metres, and gave me my coveted contact at 2122Z. I was not the first to work him, and there were others afterwards, so it was not a 'flash in the pan' by any means.

I last heard TF3EA on 17th July 1971 when he was 5-9-9 calling "CQ GM" and getting no takers! I gave him a call on the key, but my transmitting signalled the end of that particular opening, so no QSO. The TF3VHF beacon I have heard from time to time just after these dates but having been QRT on 4 Metres for eighteen months or so, I am out of touch with recent activity on that band.

However, for what it may be worth, and in case anyone would like to turn up the Met records for the times concerned, the following is a table of my Sporadic 'E' QSOs on 4 Metres.

9 th	June 1968	1415Z	ZB2BO	70-19	4-4	4-4
9 th	June 1968	1457Z	ZB2VHF	70-26	4-6	4-8
14 th	June 1968	1234Z	ZB2BO	70-19	5-7	5-7
14 th	June 1968	1242Z	ZB2VHF	70-26	5-9	5-9
17 th	June 1968	1720Z	ZB2VHF	70-19	5-9	5-9
16 th	July 1968	1803Z	ZB2BO	70-19	5-9	5-8
16 th	July 1968	1814Z	ZB2BO	70-34	5-9	5-9
2 nd	July 1969	1725Z	ZB2BO	70-19	5-7-9	5-7-9
2 nd	July 1969	1735Z	ZB2BO	70-19	5-9-9	5-7-9
2 nd	July 1969	1940Z	ZB2BC	70-19	5-4-9	5-6-9
5 th	July 1969	1240Z	ZB2BO	70-19	5-6-9	5-6-9
16 th	June 1970	1244Z	ZB2BO	70-26	5-8-9	5-6-9
16 th	June 1970	1301Z	ZB2BO	70-26	5-7-9	5-7-9
24 th	June 1970	1152Z	ZB2BO	70-26	5-5	5-9-9
24 th	June 1970	1258Z	ZB2BO	70-26	4-9-9	5-5-9
6 th	July 1970	2122Z	TF3EA	70-20	5-8-9	5-8-9
17 th	July 1971	1600Z	TF3EA	70-20	5-9-9	-

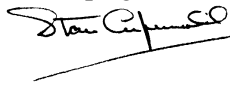
There have been many other occasions when the ZB2VHF and even the TF3VHF beacons have been audible (Never at the same time, let me hasten to add!) and no QSOs have been taking place, either through lack of activity in the UK or the absence of the ZB2 or TF3 chaps. On one notable occasion the ZB2VHF beacon appeared on 70-26 for a couple of hours at ABOUT MIDNIGHT local time!

Culling from memory, the majority of the contacts took place on "good weather" days, with blazing sunshine, extreme heat, etc.; and were at around the last sunspot maxima period. One contact, however, was certainly made when the UK was in a depression, the skies had opened and

people were contemplating the advisability of building an Ark!. So, from all this and from observations and investigations over the years by the professional people, and their tabulated results and conclusions, I would say that Sporadic 'E' most definitely exists beyond a shadow of doubt, and that given really favourable weather conditions, Tropo-assisted Sporadic 'E' frequently occurs. That the Sporadic 'E' is a manifestation due to some form of Solar activity is also beyond doubt, in that all Sporadic 'E' contacts in the Northern Hemisphere by this mode take place between May and July approximately (though there are some weaker manifestations around the Autumnal Equinox) when Solar effects are most pronounced during the Northern Summer. I also consider that Jack has confused the issue of Tropo, Extended Tropo, Back Scatter, Forward Scatter and possibly other modes in his article, without saying anything which would detract from the Sporadic 'E' phenomena. The only other point which I can see which requires explanation in the article, is the supposition that if the 'E' exists, we cannot maintain communication with low angle satellites. To this I would say that Sporadic 'E' is just that - sporadic - and only if it lies between the transmitter and the satellite will it reflect the transmitted signal; considering that even OSCAR 6 at a height of approximately 910 miles is travelling at about 250 miles a minute, I doubt if a patch of Sporadic 'E' would be noticed particularly, as the satellite would pass it so quickly as far as the ground station TX was concerned. This might account for some of the strange fading effects I have noticed on OSCAR 6 from time to time mark you, but they have been of short duration, which would tie in with such a supposition!. In any event OSCAR 6 is the only really effective Amateur Satellite to go into orbit, and was launched in October last, so the only Sporadic 'E' information to be collated on this side is, in fact, still taking place - perhaps sometime around Christmas our AMSAT and NASA friends will have information on this score for us!

One consolation, Jack, if it wasn't for the 'E' Layer there would be no HF communication, then everyone would be on VHF - if radio had ever been discovered - and there'd be nay room fer thee and me on Two Metres!, so one way or t'other it all depends on't 'E' Layer lad.

73 and thanks for making me read it all up again, Jack.



(Stan Aspinall) G3VSA/292

THE R.S.A.R.S. QSL BUREAU.

The R.S.A.R.S. QSL Bureau exists for use by all members for the rapid exchange of QSL cards BETWEEN MEMBERS only. If you have ever been on the air at any time you should send along a couple of envelopes to the Bureau to collect any cards that may be waiting for you. Dave, the QSL Bureau Manager, will be happy to send along any cards to you - but he must have envelopes from you. Why not put a couple of SAEs in with the next batch of cards you send to Dave?? Storage space at the Bureau is limited and some cards have 'lived with' Dave for many, many months. The Bureau service is free to all members (licensed or non-licensed) and your co-operation is requested. Please remember also, that our SWL members require cards for the R.S.A.R.S. Awards just as much as the licensed contacts you make. and cards for them may also be sent through Dave. "QSL via HSE".

CQ 150 OCTU COURSE 129/No.8 F of S COURSE.

Steve Chisholm, VE4AI would like to hear from any of the 150 OCTU Course 129 lads and from any of No. 8 Foreman of Signals Course who may still be reading "Mercury". (Editors Note - Steve is now VE4AL his previous call-sign was VE2ZM which has now been re-issued. WILL ALL MEMBERS PLEASE DELETE VE2ZM FROM ALL MEMBERSHIP LISTS. Steve also passes his regards to "Pony" Moores, a non-member. If YOU know "Pony" please QSP - Tnx. - Ed.).

220 VOLTS FROM THE MAINS?.

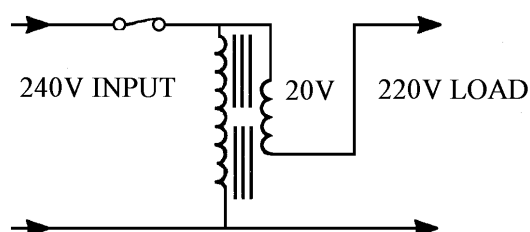
G3VGN/434

It occurred to me that there may be other members like me, who run basic apparatus for lower AC voltages on standard UK voltages. My own transceiver has 2 X 110 Volt primary windings run in series for UK operation. It is thus essentially 220 Volts apparatus. My QTH is adjacent to a substation and the domestic supply is usually over 250 Volts. Apart from the gross overheating of the Transceiver mains transformer if an attempt is made to operate it direct from the mains, I don't care for 7+ Volts on the 6.3 Volts heaters.

I therefore had a choice, either run the rig via an auto-transformer (costly and bulky) or use a cheaper and smaller alternative. It seems that the alternative is not well known so here goes.

Let us suppose that the difference between the mains and the apparatus to be run is 20V. This can be achieved by having a 240/20V transformer connected as in the diagram. Say the current drawn by the gear is 2 Amps, then this transformer would be rated at 40 VA, compared with an auto-transformer which would be 480 VA rating. A further advantage is that the circuit is self-regulating to a considerable degree.

I made my transformer from an old radio receiver mains transformer by stripping it down and re-winding the bobbin where the HT winding used to be. It had a 6.3V and a 5V winding already so all I did was to wind on twice the number of turns on the 6.3V winding (adding two for luck!) and hooking all three in series in phase. It is a simple job, thick wire and not many turns. If I remember rightly, the transformer required 10 turns per Volt. I can now allow the thermostat controlling the electric heating in my shack to turn the heating on and off without the rig going miles off tune.



NOTE - Secondary winding MUST be connected in phase opposition. A quick check - If output is higher than input, reverse connections to either primary or secondary.

The WIYL CERTIFICATE.

The Italian YL Radio Club has issued its first Certificate, the 'WIYL' Award. This Award is available to all licensed amateurs and SWLs. Contacts for points must be dated after 1st January 1970. All Bands and All Modes count but only one contact per station is valid. Charter members count 2 points, all other Italian YLs count 1 point. Jolly-Station counts 4 points (No idea what, or who, a Jolly-station may be! - Ed.). Italian stations need 10 points and Award costs 10 IRCs, European stations need 8 points and should send 15 IRCs. Outside Europe - 6 points and 20 IRCs. No QSLs required but a copy of the Log signed as authentic by two other licensed amateurs should be sent. The Award is free to blind/Handicapped.

Charter Members : IP1YG, IP1MOG, I0YL, I8ATB, I3BL, I2CWK, I8LIA, I4CLL I3GLK, I2ZRE
IP1ZNA, I3ZMT, I8LLBP (?), I4RGI, I4XYL, I8SGZ, I2YD, I7LIL, I8PLH, I3THE, I3DCW.

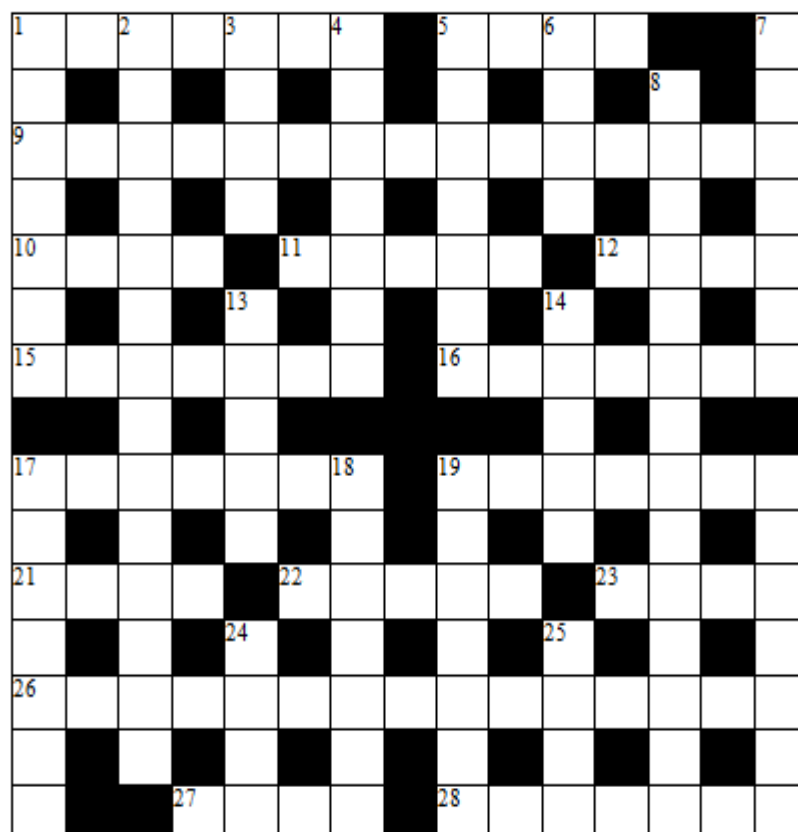
Award Manger : I4RGI, GINEVRA RESTANI, POST OFFICE BOX 28, 46100 MANTOVA,
ITALY.

DID YOU KNOW? - That Bob Wilson, G3YZO/RSARS 230 has completed his tour of duty in the Yemen Arab Republic and is back in the UK. The nearest he got to a ticket out there was a Telegram from the Minister of Telecommunications (no less!) saying NO!.

RSARS CROSSWORD

By TONY TEASA

Most members will remember that a few years ago at regular intervals a packet would drop through the letterbox at HQ. The postmark was never clear and gave no clue to its origin. Well, it's happened again. All we can say is "Thank you" and "Tony Teasa is well and living in ?????" (Except that we don't quite know where).



Clues opposite. To save you waiting to check the clue you cannot solve, the answer is a little further over the page. As an added extra, have you any idea who Tony Teasa might be? The clue is on this page (I think!).

OVERSEAS CONTACT

It has been reported that RSARS 059, C. Pedder has been heard around midnight local around 14-238 MHz with his call-sign slightly amended to read G3VBL/W2.

Don, 5B4FF, as well as joining the Wednesday afternoon Net, operates most evenings. Look, on the hour, around 14.175, 14.275/80 and 21.380 Mhz. The latter is, apparently, the favourite frequency.

Maurice, VS5MC, is now back in Brunei after a short visit to the UK, and, we are told, is active on CW and SSB, mainly on 14 MHz.

Several W/VE members are anxious to contact UK members. Why not turn the beam in that direction when the band is open and try calling "CQ RSARS"?

By the time you read this another RSARS overseas member will be Harry Stickley, with the call-sign VQ9HCS on Astoye Island (Get your Atlas out - your Editor doesn't know where it is!). Harry expects to leave Mombassa early Sept. and be on Astoye about a year,

RSARS CROSSWORD

Clues Across

1. This could be an impediment, certainly when using VOX. (7).
5. Some RSARS members have a Bank Manager in their cupboards but most will have this European in their garden. (4).
9. RSARS members are a select lot. It's odd that you will find them gathered on this. (6-9).
10. Starboard ham-wise, ceremonially observed. (4).
11. It's not eager to do this. (5).
12. Simply a short burlesque. (4).
15. Not a feature of a busy Net. Sh!. (7).
16. If the progressive grocer has this kind of counter in his shop it's probably used to serve the ham. (7).
17. What the carrier does. (7).
19. Appertaining to baseball, tents, cricket, ships and the market-place. (7).
21. To the student it's a case of nickel and iron, to the veteran signaller it's a case of nickel and iron too. (4).
22. Nothing more than G3XTL but is hardly indicative of his performance as CW Net Controller. (5).
23. Even if she does not know whether she is coming or going she looks the same either way. (4).
26. Carried out by the RAF in war-time. Sometimes carried out in relays. (6-9).
27. Meeting places for the chosen few from whence only the smaller fry can escape. (4).
28. Rejected by King Canute but welcome by GW3ASW. (7).

Clues Down

1. Makes safe. Looks as though Kent is the place to get well. (7).
2. A licensed Scot away from his normal habitat?. Held on Bastille Day in the deep South. (3-2-9).
3. Some enthusiasts aim at this only to bounce off and get their own back. (4).
4. Sometimes a seeker of a safe haven. (7).
5. Make-believe as a quietly mixed bid.(7).
7. Colloquially, this has something in common with ZB2. (7).
8. To avoid thermal run-away this is hardly the place to put your transistor. (2-1-7-4).
13. Get the wrong range to provoke this. (5).
14. A form of silica. Found in MOSFET's?. (5).
17. Takes two make it. (7).
18. It's an education to be in them. (7).
19. A brief familiar maxim of folk wisdom or so the book says. (7).
20. Send him a claim and G3EKL turns into this. Perhaps he's radar trained.(7).
24. Ply him with envelopes and you will get your cards. (4).
25. If this is really continuous, how do the A1 addicts communicate. (4).

FOOD FOR THOUGHT:

Between the years 0 and 1650, the World population doubled, reaching about 500,000,000. In 180 years, (by 1830) ", has doubled again, reaching 1,000,000,000 and in a further 100 years (by 1930) it was up to 2,000,000,000. It will have doubled again by 1975 to 4,000,000,000 and by the year 2000 It will have reached 7,000,000,000.

THINK OF ALL THAT QRM!!!!

CW-CW	CW-CW
CW	CW
CW THE LAMENT OF AN ANCIENT TELEGRAPHIST. 1913 - 1973. CW	CW G3EYD/RSARS 811 CW
CW-CW	CW-CW

Looking back over a lifetime of sending and receiving in the Morse Code I sometimes wonder if old Samuel Morse sleeps easily in his grave. You will remember (although so many operators these days seem to have completely forgotten) that old Sam based his Code on a 3 : 1 ratio. That is to say Dot-to-Dash and Dash-to-Space.

Years ago, the universal instrument for reception over land-line circuits was the Post Office type "Sounder". It was highly important that the basic ratio of 3 : 1 be maintained when working the Sounder for one reads only 'clicks', or, more accurately, the spaces between the 'clicks'. This required a smooth, rhythmic sequence of dots, dashes, spaces, words and groups. The learner Telegraphist was carefully trained along these basic principles and eventually became an operator capable of long hours of sustained operating on a busy circuit. Manual keying was of the 'Manual Pump Handle' type of brasspounder. This needed, and still needs, skilful manipulation. Obviously old Sam envisaged the operator who would have to work continuously over long periods and he devised his system to give minimum nerve strain and fatigue. Commercial working speeds were 25-30 words per minute and this could be maintained for long periods. (The writer has put in many a 4 or 6 hour shift on a busy circuit or W/T channel and is still very much alive to tell the tale!!).

Up until the introduction, from the USA, of the 'Bug' and other semi-automatic, and later the electronic/mechanical system of keying amateurs generally attained and maintained a high standard of telegraphy as such. Thereafter, it would seem that the whole concept changed in regard to the Morse Code, also as such. Like everything in this world today, ease calm and dignity had to give way to speed, speed and more speed!! To obtain this, by whatsoever method of keying, demands a high degree of skill and practice. How many amateurs attain that proficiency in manipulation, adjustment and maintenance of a delicate piece of equipment before launching out 'on the air'? Chinese Morse is still in evidence. To the Old Timer it is really quite fantastic to hear what can be produced by an 'auto' under the sacred name of 'Morse'. Half an hour trying to resolve the 'dot-scattering' and 'dash-clipping' (supposedly high-speed Morse) into rational English is enough to reduce one to a frustrated nervous wreck! Even lowly medium-slow senders often present a problem in resolution equal to a difficult Jig-Saw puzzle. (Such as 'G3' repeatedly sent as 'GSM'). An old telegraphy instructor once told his class "Any fool can read GOOD Morse. It takes an expert and experienced operator to read BAD sending". How true!

At times, as I grow older and older, after a CW session "round the hands, I am sorrowfully inclined to the conclusion that I have ceased to be either 'expert' or 'experienced'. Maybe it is ME and not the weird combinations of dots and dashes that come over the air that presents the puzzle!

In cricket, the 'Slow-Medium' paced bowler often steadily works his way through the opposition's wickets, and in this hobby of ours the 'Slow-Medium' operator will cover more ground and give more enjoyment to the vast number of amateurs who are terrified of the 'Speed' merchant.

G3EYD

No. 511

46 + still going strong.

XX

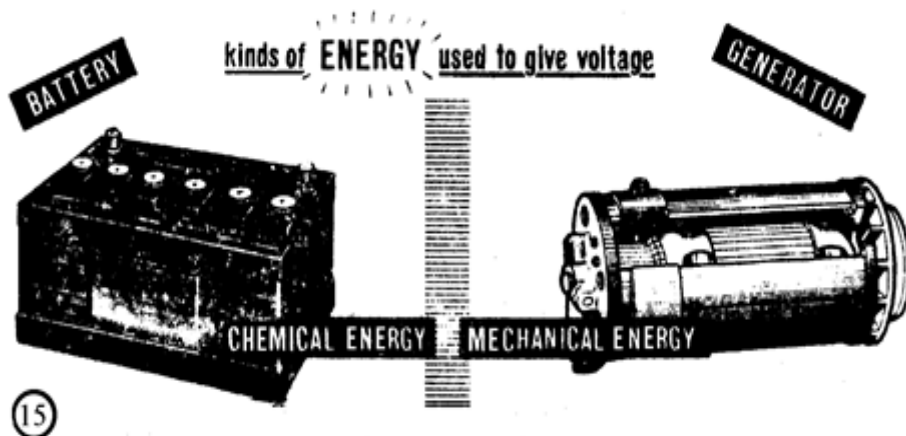
ADDENDUM

In the covering letter to the above article Ted mentions that he can still put up a fair show in the RNARS Speed Tests at 40 wpm taken on a typewriter and he adds "perhaps I'm not so Ga-Ga after all!!!! Ted trained several hundred OWLs (Operators Wireless and Line) at Catterick from 1940 until 1945. Were you one? If so, drop a line to Ted at 81, Norris Road, Sale, Cheshire, M33 3GR.

PRINCIPLES OF ELECTRICITY PART II

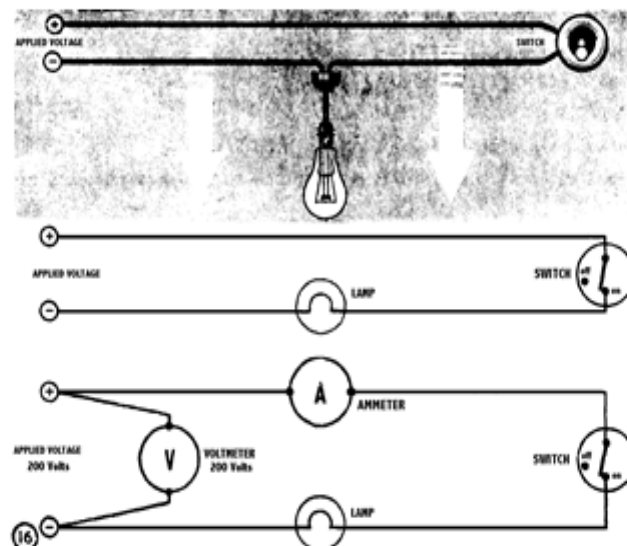
GENERATION OF VOLTAGE

We have seen that the applied voltage necessary to produce and maintain a current in a closed circuit is derived from the electrical energy of the source of the supply. The electrical energy itself is obtained by converting energy of some other kind. When energy of some kind is converted into electrical energy an applied voltage is obtained. The kinds of energy normally used in practice to generate a voltage are chemical energy in a battery and mechanical energy in an electric generator.



REVISION OF THE BASIC ELECTRIC CIRCUIT

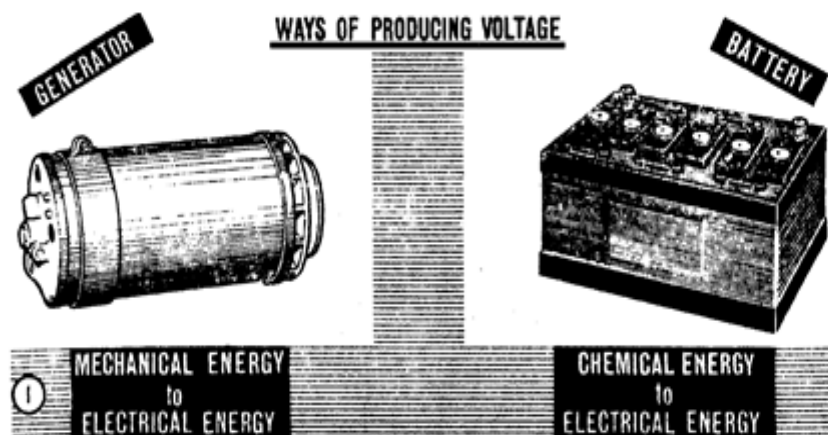
Let us now have another look at the basic electric circuit discussed in chapter 1. The circuit is redrawn in diagrammatic form in Fig.16, which illustrates the symbols used for the switch and the lamp in circuit diagrams. The current may be measured by inserting an ammeter of suitable range into the circuit, and a voltmeter of suitable range may be connected across the supply terminals to measure the supply voltage as shown in the diagram. Until the switch is closed the circuit is not complete so no current flows. With the switch in the OFF position we have an open circuit. When the switch is closed, we have a closed circuit, and the voltage of the supply drives the free electrons round the circuit from the negative to the positive terminals of the supply, through the lamp and the switch. A current is, therefore, produced and is maintained as long as the voltage is available.



PRIMARY AND SECONDARY BATTERIES

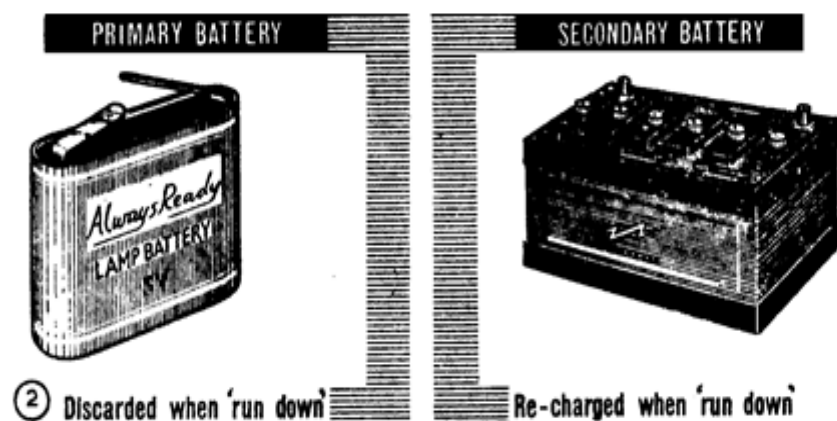
Introduction

We have seen in an earlier Chapter that a voltage is produced when mechanical energy is converted into electrical energy by a generator. There is another way in which we can produce a voltage - by converting chemical energy to electrical energy in a battery (Fig.1).



A battery is a combination of "cells", a cell being the basic source for changing chemical energy into electrical energy.

There are two main sorts of batteries, known as "Primary" batteries and "Secondary" batteries. The main difference between them is that primary batteries once they have 'run down' are of no further use, whereas secondary batteries can be recharged, used and recharged over and over again. We shall deal first with primary batteries.



PRIMARY BATTERIES

Dry Cell

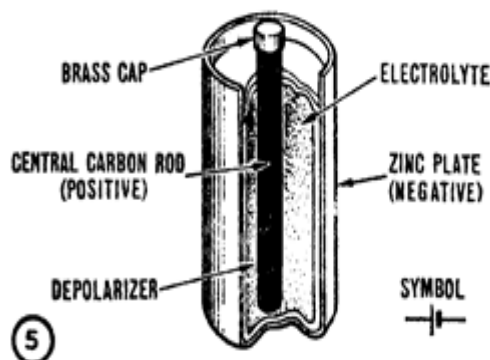
In most primary cells, the electrolyte is in the form of a paste rather than a liquid, hence the name 'Dry Cell'. The type of dry cell used for flashlamp and portable radio batteries is constructed as shown in Fig.5. The positive plate is a central carbon rod with a brass screw or cap attached to the top as a terminal, the negative plate is the zinc container and the electrolyte is ammonium chloride paste. Between the carbon rod and the electrolyte a "depolarizer" of manganese dioxide is inserted. The purpose of the depolarizer is to make sure that chemical action continues freely when current is being taken from the cell. The voltage produced by a cell of this kind is about 1.5 volts and it cannot be increased by altering the cell size. A larger cell lasts longer; to get more volts a 'battery' is needed. For cells in series, the positive terminal of one cell is connected to the negative terminal

of the next (Fig.6) and the total voltage is the sum of the cell voltages.

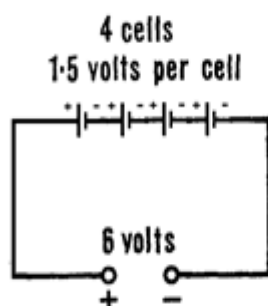
For cells in parallel, all the positive terminals are joined together, as are all the negative terminals. The total voltage is that of one cell, but the battery can supply more current than can a single cell.

Life of Primary Cells.

Primary cells and batteries are often used to supply voltages to low power portable radio equipments. The dry battery deteriorates in storage and sometimes carries a 'date mark' to show the date by which it should be used.



CELLS IN SERIES

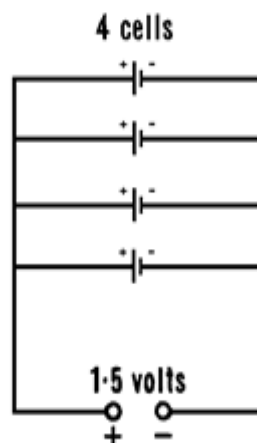


6



TYPICAL DRY BATTERY
[two cells in series]

CELLS IN PARALLEL



When the cell is delivering current to an external circuit, the negative plate dissolves slowly in the electrolyte as a result of chemical action, and it is eventually eaten away; the electrolyte also becomes exhausted. The cell is then completely 'run down' or discharged and is of no further use. It cannot be recharged.

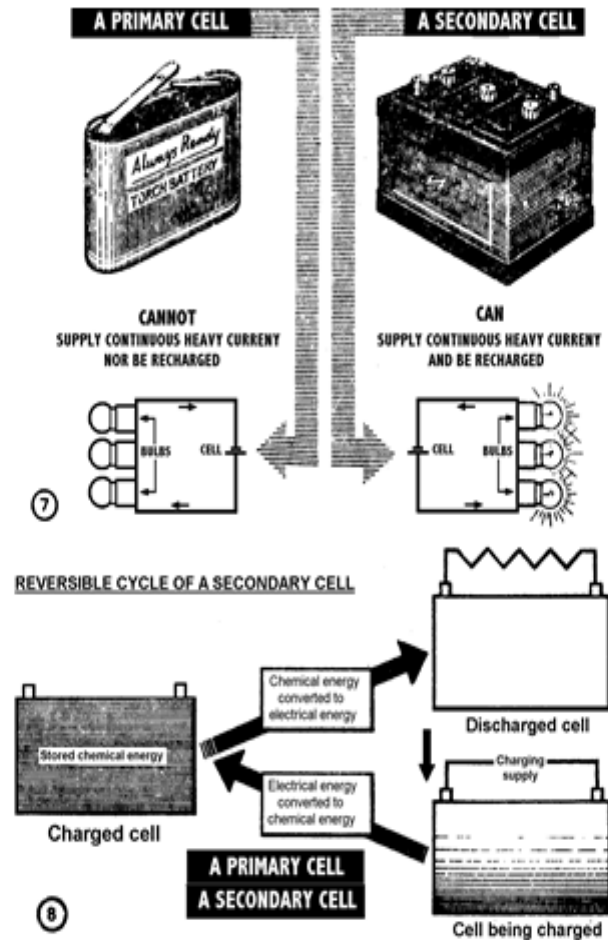
SECONDARY BATTERIES.

Primary cells can supply small currents for limited periods of time but they cannot supply continuous heavy current. Also, when a primary cell is discharged it can only be discarded. The secondary cell overcomes these disadvantages. (Fig.7)

Secondary cells operate on the same principle as primary cells; that is, as a result of chemical action, a voltage is developed between two dissimilar plates that are immersed in an electrolyte. Current flows when an external circuit is connected between the two terminals and the action continues until the chemical energy of the cell is exhausted.

However, in a secondary cell, we can restore the chemical energy by passing a 'charging' current through the cell in the reverse direction to that of the discharge current. Unlike the primary cell, therefore, the secondary cell has a reversible cycle and can be used and charged time and time again over a long period.

During charging, electrical energy is converted into chemical energy. The cell retains the chemical energy until an external circuit is connected to the terminals when electrical energy is then obtained.



LEAD-ACID SECONDARY CELL

The most common secondary cell is the Lead-Acid type shown in Fig.9. The active material of the positive plate is lead peroxide and that of the negative plate is spongy lead, both materials being in the form of a paste which is supported in a grid structure of lead. The electrolyte is dilute sulphuric acid.

For good chemical action a large total surface area is needed so we use several negative and positive plates interleaved alternately. All positive plates are joined together by a lead bar which also carries the positive terminal; the negative plates are similarly joined.

Separators of wood or of perforated glass, rubber or plastic are used to hold the plates apart whilst allowing free movement of the electrolyte. The container is glass or some form of hard plastic.

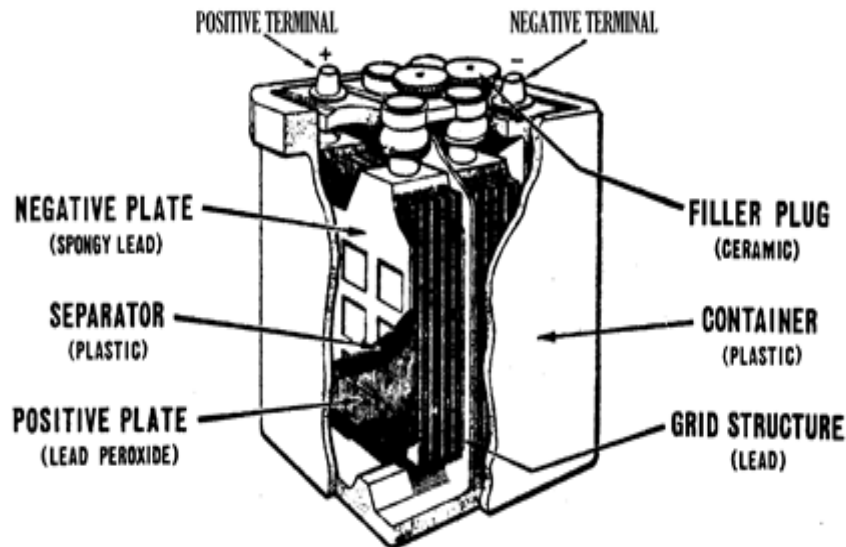
The filler plug is removed to replace distilled water that has been lost from the electrolyte by evaporation. A vent hole in the plug allows hydrogen gas, which is produced when the cell is working, to escape.

Voltage.

When a lead-acid cell is fully charged it has a terminal voltage on load of 2.2 volts. During use, the voltage gradually falls to 1.8 volts; the cell should not be discharged below this voltage (Fig. 10).

Capacity.

A charged cell provides a certain current for a certain period of time before it is discharged; this is a measure of the capacity of the cell and is given in Ampere-Hours (Ah). The capacity of a cell depends, among other things, upon the area of the plates; generally, the bigger the cell the greater is its capacity (Fig.11).



9

A LEAD-ACID BATTERY CUT AWAY

Ten Hour Rate.

A cell that provides 8 Amperes for 10 hours has a capacity of 80 Ampere-hours but it will **NOT** give 80 Amperes for 1 hour. Capacity is normally measured at the '10 Hour Rate' - the rate that discharges the cell in 10 hours. A cell marked "2V 20Ah" should give 2 Amperes over a period of 10 hours. This is also the normal 'charging' current.

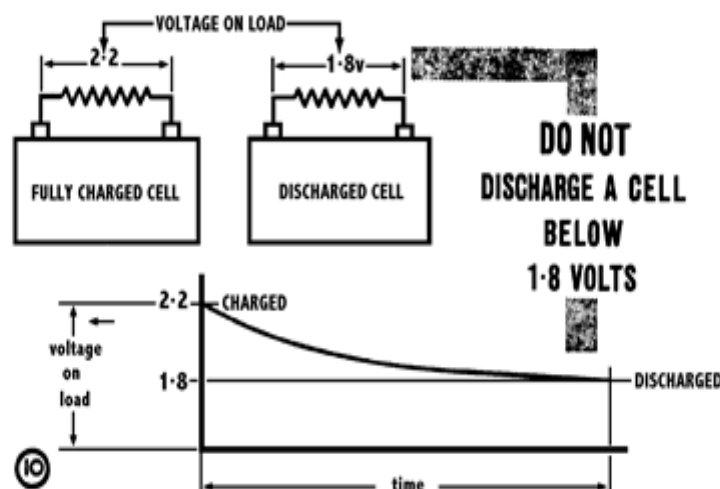
Specific gravity.

The strength of an electrolyte is measured by its 'specific gravity' (S.G.). We use a hydrometer to check this. A hydrometer has a graduated float inside a glass container, and enough electrolyte is drawn into the container to cause the float to rise. The S.G. is indicated on the float scale at the electrolyte level (Fig.12).

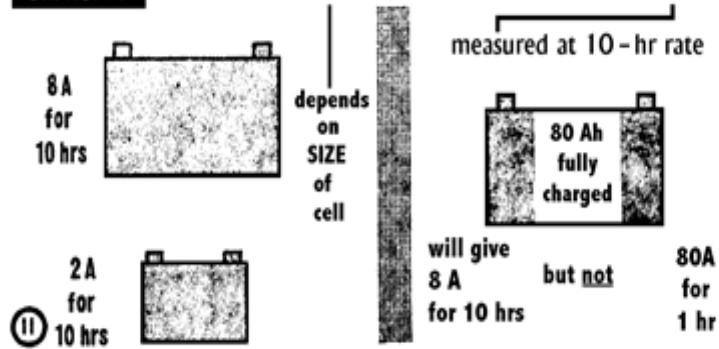
When a lead-acid cell is fully charged the S.G. of the electrolyte is about 1.27; when discharged it falls to about 1.17. Measurement of S.G. is probably the best way of finding out the state of charge of a cell.

Batteries.

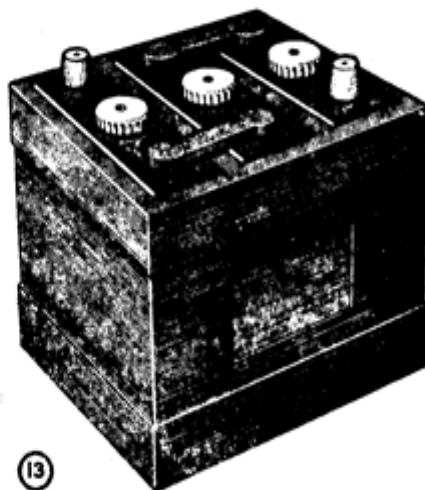
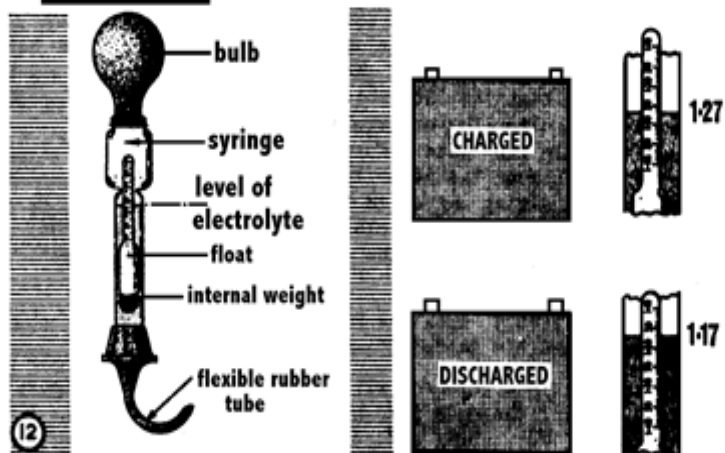
Secondary cells are grouped into batteries in the same way as primary cells. Most batteries have 3 or 6 cells permanently connected in series and, since we get 2V from each cell, 6V and 12V batteries result. A typical 6V battery is shown in Fig.13.



CAPACITY — HOW MUCH CURRENT A CELL GIVES IN A CERTAIN TIME



HYDROMETER USED TO INDICATE THE STATE OF CHARGE OF A CELL



BALDY BILL'S Meter Shunt.

G3VGN

(You were promised it - here it is ! - Ed.).

Because of the frequent requirement for a milliammeter covering odd ranges and the necessity to use whatever I've got, the "use anything available, without using maths" approach may be of interest to members.

Materials required are :- a car battery or similar low resistance source of DC, a rod-type electric fire element (a broken one is ideal), an 'AVO' or similar meter of known good calibration, any meter of FSD less than the range required.

Method :- Hook up as per the diagram below - start without the meter to be shunted, all the fire element in circuit and the AVO on its highest current range. Adjust the clamp on the fire element and the AVO until the full-scale current required for the other meter is reached. Connect one end of the meter requiring shunting as shown at 'A', connect a short length of hefty wire, fitted with a 'Croc Clip' to the other end. Start with the Croc clip connected to point 'A' and slowly slide it along the fire element wire until this meter reads nearly FSD. Switch off. Mark the point ('B') reached on the fire element wire, then make a loop round the meter terminal screw, to which the hefty wire and Croc clip were connected, between washers. Note that the loop should be on the 'A' side of point 'B'. Finger tighten the screw to clamp the washers on to the loop. Switch on. The meter should now read a little less than before. Gently pull the wire between the washers, making the length between the meter terminals longer, until exactly FSD is reached. Tighten down the fixing nut on to the washers. It may be necessary, for highest accuracy, to slightly readjust the clamp in order to maintain the required current on the AVO whilst finishing the job. Switch off, disconnect, and there's your meter shunted.

The advantages - you don't need to know the FSD current of your meter to be shunted, and it's darn near impossible to "goof" and blow it up.

P.S. I usually bend the length of element wire into a 'hairpin' and wind it on to a small paxolin tube, fixing the ends into holes and mounting the tube across the meter back. Suitable 1/4" tubing can be found round the centre screw of old metal rectifiers.

All that remains is to re-mark the meter scale. Simple, says Bill.

RE-MARKING METER SCALES.

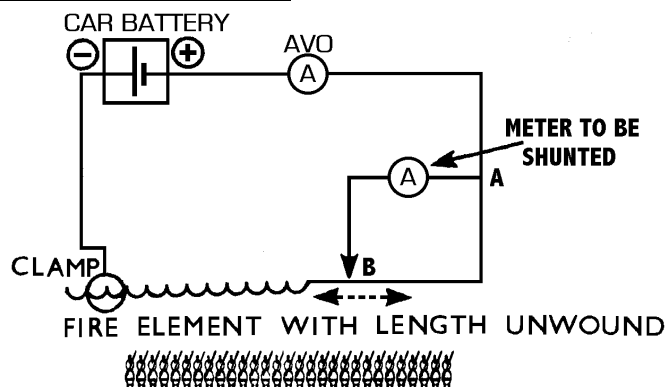
Materials :- "Letraset" or "Blick" dry print with letters/figures as appropriate, "Slick" No. 000 type eraser, and a little patience. Note: the "Slick" eraser is in the form of a pencil, usually known as a typewriter eraser. It has never been known to erase a typewriter, but a scrap end can usually be scrounged from a typist. "Blick" is obtainable from the RSGB.

Method :- Remove the outer case from the meter. The screws can be parked on a piece of plastic insulating tape. Turn the meter upwards so that the coil is at the top, to prevent dust getting in. Gently rub away the existing scale marking with the eraser. It will be found readily possible to rub away the lettering and/or figures with the eraser, without going through the backing paint. Carefully clean away all dust and turn the meter the right way up. Apply the new letters/figures as per the instructions on the pack. (The roughened surface, due to the eraser, is ideal for press-on lettering). Done!, and with a professional appearance. If desired, the new marking can be preserved by spraying the meter scale plate before assembly with "Blick" Dry Print Fixative which is in an aerosol can.

P.S. The meter shunting method can be used for ammeters too, but a word of warning here. If the shunt current makes it warm, that shunt won't do. Double or treble the wires, remembering that you'll need two or three times the length of a single wire shunt for each wire of a multi-wire shunt. A ready guideline - don't use 1kW element wire for a shunt carrying more than about 1/2 an Amp per strand.

Bill

BALDY BILL'S METER SHUNT CIRCUIT.



JUNE - MOON - DOOM

G3VSA/292

(Being a short account of a 'disaster-period' in the life of one RSARS member and, it is hoped, serving to indicate that those unwelcome 'happenings' are not restricted to our own shack! - Ed.).

It all started very quietly! - whilst in QSO on 80M I noticed that everyone had suffered a severe mishap; their voices had gone high pitched, and were going higher!. 15KHz of drift later I found them all chatting quite normally, and re-joined the QSO, only to find that they were all becoming bass baritones as the VFO went the other way!. No alternative, the FT401 had to go back to Matlock! - so, via Securicor it duly departed. Five days later, having reported it lost on the way, it finally arrived (my fault, not theirs, the label having been torn off, so they had to wait until it was reported missing before they could tell whence it was bound!). By the middle of the following week it was mended, and on the Friday it came back; so, with cries of joy and 'CQ', off we went again. By Monday night it was u/s again, so off it went again - this time labelled in six places - and I decided to take the mast down in its absence and sort out a duff beam direction indicator on 2M.


Needless to say, the 401 arrived back six days before the mast and rotator were finished and re-erected. However, I tried it on a sixty foot long wire strung around the garden hedge and only four feet off the ground and managed to have a chat with Bert ('8TK) and Arthur (t2TT) just to prove it worked again. It had had a new VFO fitted, a new ball drive attached, and a bottle replaced, all within the Warranty (which expired during that second period at Matlock!) and had been returned, but fast, to get me back on the air. Excellent service.

So, Saturday night at 2200 hours local, and yours truly and two older sons hoisting the edifice back into place, and by 2245 I was ready for testing. On the 2M receive side all was well, my compass had been in use, so everything appeared "beacon-wise" where you would expect it. Then came the Transmit side, and on pressing the "press-to-talk" switch to cheek PA standing current on the 7-50A, sad to relate, all was not well!. The screen socket on the PTFE base had pushed down through the base, and there were no screen volts. Sorted that out next day, and tried again. Exit one screamingly duff 7-50A. Replaced with 6-40A and all still not well - 100 Ohms and 1 Kilohm in 3-10 mixer cathode both burned out! Replaced them, machine worked, but - guess what - the receiver converter was on the blink!

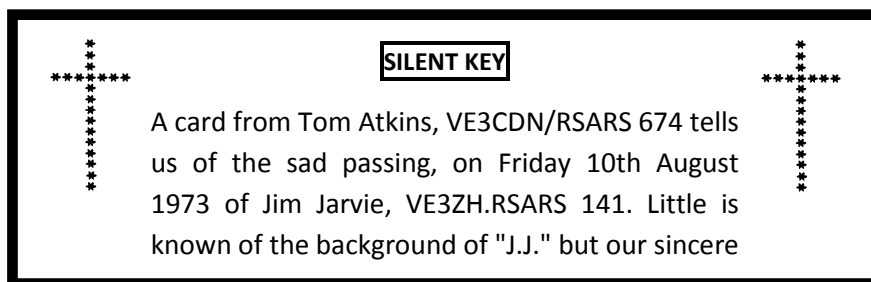
Replaced one red-hot-to-to-touch MOSFET mixer, receive converter now OK - put transmit side back on and check standing current again - BLINDING LIGHT AND BROWN SMOKE FROM REAR OF PANEL. Hurriedly hit circuit breakers, and contemplate 1mA meter jammed hard at full full starboard position and a mass of crisp black plastic covered wire behind the meter switch - Oh Boy!. Next day or two, procure new switch from junk box, rewire metering in full, and replace all 1/2 Watt grid shunt resistors which had burned out due to switch breakdown when they all received 750 Jolts each.

In the course of all these disasters, there were other more minor catastrophes, like my 4 - 6MHz converter also went u/s, so I couldn't even listen on 2 with the HRO, my 25 Watt iron burned out whilst working on the kaput transverter, and, to add insult to injury, the lamp on my bench hummed a tune as the bulb burned out in the middle of a tricky job.

It is now July, but just in case, the bottom is still off the transverter, the 4 - 6MHz converter is still out of its case, and the path to the shacks main circuit breaker is kept clear at all times!.

So now you know why I disappeared last 

(Stan Aspinall, 292/G3VSA



ATTENTION ALL SNOWMOBILEERS - DID YOU KNOW - that as far back as 1970 W1PFA of Salem, New Hampshire, ran a Galaxy Fm-210 2 Metre rig from his Snowmobile taking power from the cigar lighter socket. His signals successfully triggered the W1ALE Repeater at a distance of 40 miles. Food for thought for the coming Winter!!!

~~~~~

#### HINTS AND KINKS FROM THE MANCHESTER AREA.

AGAIN BY G3VSA/292.

Stan sends along the following ideas which he hopes will be helpful to members. If you have a special 'trick-of-the-trade' how about sending along details? - Ed.

#### JUNCTION FETS.

A rapid way to check Gm of all Junction FETS (BUT NOT MOSFETS!). Short the GATE and SOURCE leads together; and with an AVO or other meter on Resistance range, measure the Channel Resistance between DRAIN and the shorted. GATE and SOURCE. Using the equation  $1/R$  gives the result in Mhos, easily converted to Gm, viz.:

A DC Channel Resistance of 200 Ohms will give  $1/200$ , which gives, in turn, 0.005 Mhos, which equals 5 mAs per Volt. 100 Ohms gives 10 mAs per Volt and so on and so forth. Very simple, and useful for getting the best FETs into the VHF converter. ONE WARNING : make sure that the GATE and SOURCE ARE shorted before you apply the meter prods, then polarity is of no consequence. Failure to short them will result in disaster for the FET!.

#### MOSFETS.

When wiring MOSFETS into circuit place a small blob of wet cotton wool in the middle of the leads, then take off the shorting clip, rivet, etc. It will be quite safe then until the wet cotton wool is removed after soldering the device into circuit. (Joe Cropper, G5BY, thought of this one, I used to do it by a slightly different method, but Joe's is better!).

#### VARACTOR DIODES.

A not very widely known trick this. Varactor diodes as used in VHF FM reactance modulator circuits are expensive - and. unnecessary!!!. Try a BY100, or other silicon diode of this class - they work like a charm and are dirt cheap!. The best yet for 2 Metres that I know is the RS300/AF, an avalanche rectifier.

## WELCOME!

Once again we take a little space to say welcome to one or two newer additions to the flock. Take a look through the following list - perhaps one of them served in YOUR old Unit.

424 - JOHN FREDRICK RICHARDSON, G4BZQ, 19 COLMAN AVENUE, WOLVERHAMPTON, STAFFORDSHIRE. John, who is also a member of the RSGB and the Wolverhampton ARS joined the Society w.e.f. 1st May 1973. He saw service with the Life Guards for a total of 11 years and 23 days between 1935 and 1946. During this time he 'visited' The Middle East, Italy, Holland, Germany, etc. On the hobby side John says "Have been interested in radio since leaving the Forces, and have held G8EBF since 1970. I passed the Morse Test in March 1973 and was then issued with G4BZQ. I run 100 watts of FM on 2 Metres to a 10-element Sky Beam, and 180 Watts p.e.p. on SSB on 10/20/15/40 and 80. The RX is an Eddystone 940, the TX a Mosely Commando II and the antenna a G5RV.

433 - IVAN CLIVE ELSTON, G3YRX, 59 EXWICK ROAD, EXETER, DEVON. Known in past days as 23071161, Ivan joined Royal Signals as a National Serviceman in 1953. He trained as a Line Test Clerk and was later stationed at Bulford with a Telecommunications Maintenance Unit. Main interests are centred on 20 and 80 Metres using an FT-200 and an HW-32A. Ancillary gear in the shack includes a Teleprinter 7B which helps with the interest in RTTY. Joined w.e.f. 1<sup>st</sup> May 1973.

437 - W.O. II (F of S) DONAID FREESTON, 5B4FF, C/o 261 SIGNAL SQUADRON, BFPO 53. Don is at present serving in Cyprus and, as many members will already know, is active on the bands, particularly 20 Metres on a Wednesday afternoon. Living outside the SBA has produced for Don a 5B4 call-sign. Membership effective from 1/6/73.

443 - LIEUT (Rtd) CECIL JOHN TEECE, RS 34383, 29 ARMITAGE LANE, BRERETON, RUGELEY, STAFFORDSHIRE. Cecil tells us that he saw OR service from 1943 until 1945 as a BII operator Wireless and Line (or OWL as it was known). He was commissioned through 150 OCTU Royal Signals in January 1945. He served in Orkney and Shetland District Signals followed by a period in command with 63 Medium W/T Section PAIFORCE in South Iraq during 1945 and 1946. A move to Cairo saw employment as a DSO with HQ MELF and then to an Air Formation Unit where he commanded Line Troop 4th Air Formation Signal Regiment in Palestine and The Canal Zone. This took him up to his release from the Service into Class 'Z' reserve in 1947. Civilian life meant involvement in the Industrial Electronics Field from 1948 until 1969 and since 1969 in Semi and Automatic Welding. Recently resumed interest in Amateur Radio and is currently working for RAE. The RX in use at the moment is a home built Heathkit SW7D but Cecil is looking for a good second-hand 'buy' such as a JR310 or similar. 443 also holds the following qualifications : T.Eng (CEI), FIET, MASEE, MInstM, AMBIM, and is a Corporate Member of the RSGB. Joined w.e.f. 18<sup>th</sup> June 1973.

446 - WILLIAM MAURICE BARNES, G4CDK, "SIBERTWOLD". 6 CASTLE RISING ROAD. SOUTH WOOTTON, KING'S LYNN. NORFOLK. PR30 3HR. Bill served in Royal Signals as a Radio Mechanic from June 1942 until January 1947 and marked his kit "14227073". Trained at Coventry Technical College and REME RM School at Bury, Lancashire. This was followed by a posting to STC(1) at Mhow, India - Meerut - Bangalore - Agra - Hyderabad - and Singapore. He attended a course on Heavy Mobile Wireless Equipment at Agra and was posted to 235 and 206 Heavy Wireless Section with 399 Mobile Wireless Equipment. This Section was posted to Singapore with the initial re-occupation forces and finally disbanded there and the IORs (Indian Other Ranks) were repatriated to India. Bill goes on to say "I can say with truth "When I was in Poona" and I once stood in peril of the "Deolali Tap". Using my previous callsign G8FKS I operated an FM TX on 2 Metres only, but have since been trying to get 'airborne' with a WS 62 on 160 Metres but one has to experiment to get aerials earths and loading right to get good results". Joined w.e.f. 1<sup>st</sup> June 1973.

447 - MAJOR LEONARD DAVIS, G2ZA, 48 STEPDENE, PARKSTONE, POOLE, DORSET, BH14 8TD. Len joined 48 (TA) Divisional Signals in April 1939 and saw service in France during 1939 and 40, the Middle East during 1941, and with the 14th Army in Burma, from 1942 until 1945. Units included 48 Divisional Signals, 30 Corps Signals, 26 (Indian) Divisional Signals, 5 (Indian) Divisional Signals, and 9 AA Brigade HQ Signals. On the hobby side Len lists the following : Artificial Aerial ticket 2BCQ in 1925, followed by a Full License in 1927 with the call G2WW. During the War the license lapsed but was re-issued in 1946 as G2ZA, working in the Brighton and Birmingham areas. The ticket again lapsed in 1954. Len had to sit the RAE again and in 1973 he received, again, the call G2ZA and expects to be active in July or August. Main interests include DXing on 7, 14 and 28 - mainly CW. Joined 1/6/73.

449 - JOHN EDWARD WHITTAKER, G3UUA, "MAITLAND", NOGGARTH ROAD, ROUGHLEE FENCE, NEAR BURNLEY, LANCASHIRE, BB12 9PT. No stranger to most members, John "re-enlisted" with effect from 1<sup>st</sup> July 1973. If you haven't met John as a RSARS member, perhaps you knew him as 2344987 L/Cpl Whittaker during 1940 until 1946 when he served with 59 Divisional Signals. G3UUA is now a retired Post Office Inspector.

451 - CAPTAIN ROBIN FRANK GRAHAM COGZELL, G3OTY, 70 FARREN ROAD, NORTHFIELD, BIRMINGHAM 31. Robin joins us in an ACF capacity but saw 5 years service with Royal Signals. Since leaving the Service he has been OC Signals Unit. Worcestershire Army Cadet Force for the last eight years. First licensed in 1960, Robin also holds the call G4ACF (very appropriately) on behalf of the Worcestershire A.C.F. Joined w.e.f. 1<sup>st</sup> June 1973.

452 - ERNEST GEORGE WHITE, GW3LAD, 41 ST. ALBAN AVENUE. CARDIFF. CF4 4AS. A member w.e.f. 1st June 1973, Ernest is also a member of RSGB and RAEN. With a Regimental Number of 1891349 he saw service between October 1939 and early 1945 with 284 Field Company RE and HQ 38<sup>th</sup> (Welsh) Division RE as a Sapper pending a transfer to the R.A.F. (which Ernest says. "did not materialise). He later served as a Corporal with the Army Air Corps with 6th Airborne Division before becoming a Tele Mech II with REME after courses at Loughborough College and No.2 Army Wireless Training College at Gopsal Park Nuneaton. GW3LAD uses a Viceroy at 180 Watts PEP and a HQ-170 RX for 10 - 80 Metres SSB and CW. VHF is not neglected and 2 Metres sees the use of an IC2F on FM. Twice Ernest has operated /DL whilst on holiday but only on 2 Metres. He also holds a mobile license which he used to use on 160 but now only on 2 Metres.

456 - MICHAEL R. EMERY, LA CONCHEE, PERELLE, ST. SAVIOURS, GUERNSEY, CHANNEL ISLANDS. Michael has had five years with Elizabeth College CCF and operated as CCF call-sign 47 on the National Net. During this time he has been successful in obtaining ranges of 400 miles with WS19 and WS62. Mike has visited G4RS during a course at the School of Signals. He hopes to take the RAE later this year so we may be seeing/hearing him as a GC4.

468 - RAYMOND JOHN KINGSHOTT, G4CFN, "HEATHERBRAE", WOODEND ROAD, DEEPCUT, NEAR CAMBERLEY, SURREY. GU16 6QH. Many members will have already met Ray on the Nets, but if you think you may have met him before, he served as 22601804, L/Cpl Kingshott with the East Surrey Regiment from October 1951 until October 1953 as WT in the Machine Gun Section working on the Battalion Net. In October 1953 came a transfer to the 4/5th Queens Royal Regiment, this time as WT in Support Company on the Brigade Net. Service terminated in December 1956. Ray is also a member of RSGB and the Farnborough ARC. Membership effective from 1st June 1973.

504 - RICHARD GREGG, HIGH STREET, WEOBLEY, HEREFORDSHIRE. Richard was a regular visitor to G4RS whilst stationed at the School of Signals. He filled in the necessary (RSARS) forms just prior to leaving the Service and we welcome him as RSARS 504 and trust that he is settling down to some serious SWLing in civil life.

508 - PETER JACK BAILEY, G3PJB, 67 BIRKBECK ROAD, BECKENHAM, KENT, BR3 4SW. Peter "bumped into" (if those are the right words) the RSARS whilst operating /M one day by way of a contact with G4RS. The requested application form was quickly returned and membership becomes effective from 1st June 1973. Peter was a National Serviceman from 1951 until 1953 and followed this with service in the TA from 1953 until 1957. No stranger to Blandford, Peter did his REME Basic Training here before moving to Malvern for training as an Electrician V & P. Following in fathers' footsteps are three Junior ops, one with the RE in BFPO 31, another with the RE at Chepstow, and the third is with the local Cadet Force. Some of Peter's service was, of course, spent abroad, in this case at Tel-el-Kebir mostly with the REME Inspectorate. With a 'full initial' call-sign, one wonders whether Peter waited for the issue of 3PJB, or was just 'lucky'.

570 - KEN GREENHALGH, 19 ST. ANNS AVENUE, STANWELL, MIDDLESEX, W19 7RJ. Ken gave all his details in an accompanying letter which reads "I started at the early age of 12 years with the proverbial Crystal Set, during my school days. When I left school at 14 in April 1941 I started work at Philco Radio on assembly work mostly on 1132A, 1155, WS19, Unit Line Termination and Power Unit No.3 (used with the 1132A). Also worked on a special unit for the Resistance Forces with a fixed frequency plug-in coil. Then came the hard bit. I Was called up for the Army in 1946 and wanted to go into Royal Signals or REME but as there was a shortage of Clerks I went into the RASC. Did Basic Training at Bodmin in Cornwall and from there to Cirencester for Clerks training and then to Egypt, to 375 Petrol Platoon at Fort Agruid, then to 14 Command Petrol Depot at Ismalia. This was followed by a move to the Palestinian Army in Rheovat. Back to Cairo and then to GHQ 2nd Echelon in Fayid. This was followed by a move to HQ Northern Area at Nanuki, Kenya. Demob and civilian employment again this time with E.M.I. at Hayes working on modifying Radar Units. Due to marriage and the family I lost touch with the hobby for about 16 years, but it all started again when I bought a surplus CR-100 in a junk shop in Egham for £10. Am a member of RSGB and RAEN and live near London Airport. I work in Egham now on Sheet Metal work. Rig consists of two AR88s, a Hallicrafters SX71, BC-221 Frequency Meter and Tape Recorders etc.

585 - PAUL DAVID HARRISON, G4ADF, THE WHITE COTTAGE, CODMORE HILL, PULBOROUGH, SUSSEX, RH20 1BQ. Another introduction to the Society by way of 80 Metres, the back of Paul's application reads "Junior Leaders, Denbury, 2 years from 58 to 61. Special Op, Germany 61 - 67 at Wesendorf, BFPO 23. Rank was Corporal and the number was 23666750. Demobbed in 1967- "Paul adds "Wonder if any of the lads from the above Units are still hanging around?". Joined w.e.f. 1st July 1973.

591 - CAPTAIN (Rtd) STANLEY PERCY ALBERT SMITH,, G4BXV, 38 RAMSDEN STREET, BARROW-IN-FURNESS, LANCASHIRE. Stan is a retired Sapper and, of course, belongs to the RE Old Comrades Association as a Life Member, is a member of the Furness Radio Club (G4ARF) and also a member of Barrow Council. He joined the RE in 1932 and retired in 1948. He saw service in the 10th Railway Company at Longmoor (often training at Chatham). Then posted back to Chatham as an instructor in the Training Battalion, and then to Ripon where the Battalion and School of Military Engineering moved. Then overseas to Kaduna in West Africa where a Training Battalion was training the Africans for service in Burma. After a period as 2 i/c Stan took over as acting OC of 36th Field Company. Completion of the African tour saw a return to the UK to a War Office Depot at Stratford-upon-Avon and then it was on to another Training Battalion this time at Newark. Stan's military record shows that he went through every rank in the Corps of Royal Engineers up to Captain. The shack contains, at the moment, a Trio TS510 + PS510, a Trio 515 and PS515. The antenna is a G8KW Multi-band Dipole. Other gear includes a Microwave Modules 5 Watt transmitter and receiver for 2 Metres with a 6 X 6 antenna operated by a Stolle Automatic Rotator. Both antennae are about 40 feet up. Membership w.e.f. 1st July 73.



621 MIKE SHEPHERD LOWSON, BRS 28234, 39 LORDBURN PLACE, FORFAR, ANGUS, DD8 2DE. Neil joins us w.e.f. 1st June 1973 and is a member of the RSGB as well as the Amateur Radio Mobile Society. He saw service with 92<sup>nd</sup> Signal Regiment (now the 39th) with whom he served for 4 years ("And enjoyed every minute" he adds). Main interests are now DX on 80 Metres and Top Band using vertical antennas and loft antennas. Neil has two junior ops who keep him busy when the DX is absent.

AFF 10 - RUBERY TROOP (SIGNALS) WORCESTER ARMY CADET FORCE, C/o 70 FARREN ROAD, NORTHFIELD, BIRMINGHAM, 31. Rubery Troop holds the call-sign G4ACF and, judging by the enclosed photograph, has a very nice set-up. The Troop has been the Signals Unit of the Worcestershire ACF for the past seven years, holding the usual equipment issued by MoD. The G4ACF call-sign has been held since April 1971 and the main interest, at present, is 80 Metre SSB on Monday and Thursday evenings - these being parade nights. Hope to see G4ACF on the Thursday evening RSARS Net soon.

(As members will know, G2MI was made an Honorary Life Member of the R.S.A.R.S. at the AGM on 14th July for "his services to Amateur Radio in general and to the R.S.A.R.S. in particular by his efficient running of the QSL Bureau and the RSGB News Service". An extract from Arthur's letter of acceptance is reproduced below).

Your letter came as a complete and very pleasant surprise and I am deeply honoured and moved by your kindness

With warmest wishes to you all. Yours si

*Arthur*

Royal

22

## A DAY IN THE LIFE OF A 9M2.

### 9M2DQ/RSARS 300.

(Jimmy has long been a keen supporter of RSARS despite being "on detachment" out in Malaya. We welcome this article from 9M2DQ showing the happenings on a typical day. Jimmy may well be remembered for his rhombics which helped his DX-ing when working farther South some years ago. - Editor.)

As there appears to be quite a difference between Amateur Radio in UK and Overseas, perhaps the following report of a day in the life of RSARS No. 300, 9M2DQ might be of interest.

0615 hours (2245 hours Z/GMT), dawn is breaking, Rover (the dog) is barking to come in and the cat is howling to get out. Curse, get up, somewhat bleary-eyed, let cat out and dog in, but careful to avoid same exit/entrance or there will be a fight.

Totter into radio room, open windows and turn on overhead fan. Temperature 80°F - chilly in red pyjamas. Brilliant red sky to the East and can see Indian Ocean below rather grey.

Plug in LF Aerial, tune to 80 Metres. Local Malaysian Net on 3798, mostly in Malay. Note - literal translation of audio feedback is "speaking from backside". Tune down the Band. Some EU stations, call "CQ DX". Reply from two Europeans plus one 'G'. Sudden intense QRM from a harmonic of an Indonesian broadcast station.

Switch to 40 Metres. Band here same as in G-land - 7.0 - 7.1 MHz. Perfectly horrible. Three tremendously strong Radio Peking stations, Radio Pakistan and some Middle East station speaking in Arabic. At least four Nets from Viet-Nam. Some on LSB, some on USB, all belonging to American civilian contractor organisations. One asks me to QSY. Reply rather rudely and tell him about I.T.U. He has never heard of it. Other Nets comprise the Siamese Police, Cambodian Army (at S9+), and something like "Kong Ya Long Ho" for several minutes continuously. Next comes the Indonesian Amy and the Laotian Police. Hear a couple of Philippine amateur Nets and some Japanese. Chinese Amah brings tea. Feel better.

0650 hours XYL up. Announces she is going to market so lock up Rover who howls at S9 + 20dB. Change over to Beam Aerial. 20 Metres. Europe is there together with severe noises in Spanish from South America. Note that the States are not coming in. Ask "Is this frequency clear?". No reply. Call "CQ DX". Asked to QSY. Try again and German station comes back. Followed by G3+3 station who says first contact with Malaysia ever. Advise him to try 15 Metres more often. Long call from an I8 station in middle of QSO. Disregard. Second cup of tea arrives. Called by G6++ at 59+. Nice and strong but audio appears a bit distorted. Find out the reason for this is that he has just returned from the Club.

0700 hours (2350Z). Call VP2V++ but he replies to Europe. Pity he doesn't listen!!. Call "CQ West Indies". Disregard one HA and two I stations. 9Y4LP at 59+ and joined by 9Y4EH. Continuous mutterings in the background. Sudden nasty noise. Find that this is 'the Ticking Horror' which is a commercial CW station on 14204 believed to emanate from Hanoi. He is S9+40dB on frequency and S9+ key clicks at least 10KHz on either side. This fellow has bothered me for years. QSY.

Work weak VE8 station, who says it is below zero. To cheer him up, inform him that it is now morning here, am sitting in red pyjamas, temperature 82°F and am looking down over the red roofs to the sun shining on the Indian Ocean below. Coconut trees to the right, 'flame of the forest' on the left. Brilliant green grass, red and purple orchids and red roses. Canadian station signs off!.

By golly, it's 0730. Rapid change to 15 Metres. Call WA6BJS on daily schedule. Carefully ignore two JA stations saying "Break-o". Signals weak but OK. Herb says he has worked another new country. Oh dear!.

Rapidly work 3 JA stations and JE stations. "QSL via JARL...etc.". Turn beam round to Australia and work two VKs and one ZL. Wish Danny VR1AA was back from long leave.

Local QRM. XYL returns. Lets Rover out. Cats howling at smell of fresh fish. Return to 20 Metres. Beam to West. Work VP2AA at 59+ and ask him if he cannot make a trip to Anguilla some time. More local QRM as RAAF helicopter overhead and Rover frantically barking in the garden.

Temperature now 84° and feeling sticky so break off to go shower, wash, shave and get dressed. Breakfast. Local paper - curious rape case in Kuala Lumpur. Sit down and make up QSL cards for some 40 minutes. Note that two cards from Europe are for times and days when I was not operating.

1000 hours. Post arrives. Rover barking again. 6 Airmail letters with QSL cards. Mostly with IRCs but 2 from States with NO IRCs and demanding an Airmail reply. They won't get one - via the Bureau for them.

Letter from Income Tax Advisors :- Due to the complexity of the newly adjusted U.K.-Malaysian Double Taxation Agreement we strongly advise you NOT to transfer any income from U.K. this year in the cases where such income arises from Companies registered in the U.K.", Cor!!!.

XYL decides to go down town., Get car out and lock Rover in. Noisy. In Supermarket delighted to see new stock of 1½v batteries, just the thing for the 2 Metre portable so get several packets. Put in with household goods. Taken out. Argument with XYL. Loose argument and pay myself. Temperature now 89° and humid. Avoid several bicycles, trishaws and small boy walking in middle of road. Cows also. Return home. XYL prepares Chinese lunch. As too hot and also too fat. I never eat lunch so XYL gives me a large ice-cream instead.

Time for a rest, Retire to bedroom, turn on air-conditioner and prepare to read good book. Woken up by Rover scratching on door. Rover jumps on bed and demands to go for a walk. Look at thermometer and tell him to wait.

Turn on rig and check 10 Metres. The only beacon heard is 3B8MS at S1. Turn beam to Australia. Switch to 20 Metres and listen on long path for any G's. As G2BUU is only S4 today - give it a miss. Rover licks legs and makes a nuisance of himself. Got to be careful here. One day I was so late he actually went to window and carefully took co-ax feeder in his mouth. Co-ax is expensive out here.

1450 hours. Ask XYL if she would like to come for walk with Rover. Given a firm refusal and reminder of that trouble last week. (This was when Rover lifted leg against a large and formidable VK lady who was sitting on deck chair!).

1500 hours. Arrive at beach having been delayed by:-

- i) Rover entering house of an Australian family and leaving very large reminder in middle of lawn. We both retire unobserved.
- ii) Rover finding, in another garden, some monkeys up a tree and having hysteria. Whole household wakes up and comes out in pyjamas. Smile nicely and say it is rather hot today!.
- iii) Short but sharp dogfight on main road.

Public holiday. Beach crowded. General panic amongst small children on seeing Rover. Quite unnecessary. Although Rover is very large and a fierce looking Alsatian he loves children and small dogs and only wants to lick them.

Remarkable number of birds on the beach. Mostly Chinese but some Indian and Malay and a considerable number of Kangaroo types. Bikinis seem to be getting smaller. Stop to chat to two Hippies, one from U.K. Crumbs!. Rover has licked bottom of YL sunbathing, sudden shriek followed by apologies in English, Malay and Hokkien. Put on lead and return towards Tanjong Bungah Park - another dog fight. Arrive home covered in perspiration and complain to XYL. No sympathy whatsoever and veiled suggestion that Rover was encouraged. Amah brings 3 glasses of fresh lime juice and retire for shower.

1610 hours (1640Z). Check 28185-28200 for beacons, ZC4CY at S1, GB3SX nothing heard, 3B8MS S2. DL0IGI at S1 and a nasty Russian broadcast harmonic on 28200. Up to 28600 and call "CQ 10". Disregard two Russian FM stations that drift out of the passband, work rapidly one YU and three JAs. "QSL via P.O, Box 377, Tokyo". Roger.

Yell for another glass of fresh lime. Tune to 21470 KHz. Hear "Oranges and Lemons, say the bells of Saint Clements". Thinks - Do ye ken John Peel was better in the old days. BBC News. Seems Tricky Dick in trouble again. Further fighting in Viet Nam and Cambodia, and another

strike in the U.K. Listen to comments from British newspapers and note that call-girls in good demand. Check again on 10 Metres. GB3SX now at S1.

1700 hours. (0930Z). Rapid adjustment to 21354 KHz "Calling G6RC on schedule". Disregard "Break-o, Break-o" from two JA stations. In comes G6RC (RSARS 064) about S6 and in good heart. Seems that he has now received some more QSL cards and DXCC is well over 300 confirmed. Damn. Remind him of the Spratley Island DX-pedition. (He missed it). Joined now by cheerful voice of Bill Brady, G5AFA, who, as usual, is about 1 'S' point better. Jolly good QTH Selsey Bill, surrounded by water on three sides. Bill has retired to the U.K. Sensible chap is Bill. Think of the old Bill Brady Bar in Singapore and hum softly:

Won't you go home Bill Brady,

Why don't you go home.

That's what a lot of Ws say to him but he's sensible!

Reg says beacons not bad. 3B8MS coming in and DL0IGI good so we pop down to 28607 and call. G6RC about S3 but perfectly readable, we agree to normal schedule tomorrow. Sign off. called by one Russian FM station and three on SSB. "100% QSL sure via P.O. Box 88, Moscow, my dear friend". OK, but I seem to get darned few cards from there to here.

Cat's howling - time for tea. Watch cowboy serial on TV followed by news in Malay.

Ah, 1830 hours (1100Z). Quick QSY to 21325 KHz and join Hong Kong-Africa Net. VS6DM, 9V5XA, ZD9GC, etc.

Called on 'phone' by local 9M2 who wants a 2 Metre test. OK. Again explain carefully that for DX it's CW and SSB that ought to be used.

1900 hours. TV news in Tamil. XYL announces that she is going off to Majong session.

1930 hours (1200Z). Quick QSY to 14320 for SEANET (This is the famous South East Asia Net. On daily. Purpose is to put in touch with one another stations that wish to contact. The control then tells them to QSY and gives a frequency. Usually stations check in from just about all call areas. This is a good test for your knowledge of amateur prefixes!. Am a Founder Member, circa 1963). The usual Net Controller, Paddy 4S7PB has been off for a month, HS4AGN is on leave in the USA, so Carl, VQ9R is now Net Controller.

1200 hours GMT. "Good evening everybody, this is Carl, VQ9R calling SEANET. Is there any Emergency or Urgent traffic? Calling 9N1MM. Good evening Father Moran, any traffic? Calling any HL or HM stations. Calling A51ON. Any KH6 stations? KX6?, Any VS stations for SEANET?. Any JA1s, 2s. Any KA2s?, JA3s or 4s, 5s or 6s, KA6s?, any JR6s?, JA7s or 8s?, any KA8s?... This list then continues : XW8s, HS1s, HS2s, HS3s, HS4s, HS6s, XU1AA, XV5AC, 9M2s, DU1s, DU2s, DU3s, DU4s, 9M6, 9M8RY, VS5LH (N.B. Where is our VS5 RSARS chap?) (No news of Paul, VS5PW but take a listen for, possibly, VS5MC by the time you read this - Ed.) The list goes on, KG6s, KC6's VK9s, then through the VK sequence followed by a call for ZLs and ZMs, YB0CK, any YB1s to YB7s, VQ9s, MP4s in Bahrain, A6XF, A4XF stations, EPs, 3B6s or 3B8s, VS9s (where is VS9MF, these days?). Any stations from Africa, 4S7's, VUs, APs. Any Maritime Mobile stations for SEANET?. And so the SEANET continues.

Local QRM. Ask Amah to turn down News in Mandarin. SEANET now calling for South American stations, then North American stations. Any latecomers?.

2100 hours Z. Take a rest. Tune to 29.45 and listen for Oscar VI beacon on S/N path. No go. XYL back, Rover now wants to go for another walk. He hasn't a hope!. Wish G3LQP would start up the Commonwealth Net again. Watch TV - FBI story.

2200 hours - News in English. Beam round to Europe and tune 20 Metres. Call urgently a JY6 station to ask news of an old friend and doings in Jordan. Nasty carrier and blowing sound on frequency. An I2 station calls me for 5 minutes without stopping during QSO. Furious. I2 asks if I can hear him. Reply "yes" and that he has no hope of a QSO or QSL from 9M2DQ. Conclude QSO with JY6. Very nasty noise on frequency. Turn beam to North America. Tremendous West Coast signals on 14200. Carefully tune up to over 14275 and ask "Is anyone on frequency?". No reply. Call "CQ North America". Am asked to move by Traffic Net. Move up further and call again. Also

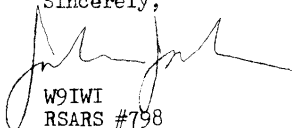
asked to move. "This frequency is being used for phone patch traffic to the USA. A clear frequency would be appreciated....". Listen on frequency for 10 minutes and hear nothing. Call "CQ" and again asked to move. This is ridiculous!. QSY, call "CQ" and work a couple of W6s, a couple of W7s and a couple of Canadians. Ask if there are any new stations on frequency. Tremendous signal from W6+++ , ask him to turn off his Linear. Not appreciated. Work weak WB6 who has never worked Malaysia before. He is running only 100 Watts to a dipole and is delighted. Then, would I please QSY as a Traffic Net wants the frequency. Odd. It is now 2330 hours local and 1600 hours GMT. Turn beam to Europe. Go down below 14200 and call "CQ G". Called by UW6++. Ask him if he is in G-land? Conditions very good. Several G stations there and a tremendous signal from G3+++ near Liverpool who has a quad at 100 feet. Another G, a new one this time. Nasty mutterings on frequency from an I2. Change to LSB and he doesn't notice. Good. Constant carrier now - hope his linear blows up. QSY. Work a few W stations and refuse to QSL Airmail direct. Midnight, temperature 84 degrees. Decide on bed. After all there is always another day in the life of a 9M2!!!.

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Members will now know that RSARS 798, W9IWI, Julian Jablin, was awarded the "Best Mercury Article 72/73" Plaque at the last AGM. The following letter has been received from Julian - Ed.

".....I returned from a holiday in Scandinavia to find your letter informing me that I am to receive the "Best Mercury Article" Plaque for this year.

This is, believe me, one of the most pleasant things that has happened in some 50 years of both writing and hamming. Both pounding a typewriter and pounding a key have much in common -- each is an effort to communicate with someone. We don't have much trouble in knowing what the results are when we're on the air ...either someone answers or no one does. But when one writes an article, there's always the question "Is anyone out there listening?". This very solid evidence that there was an audience is most comforting to a writer. My appreciation to the President and the Council for this honor. 73,

Sincerely,

W9IWI
RSARS #798

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### DID YOU KNOW???

That Jordanian prefixes are as follows :

JY3 = Advanced Class 'A' licences, JY4 = Class 'A' licences, JY5 = Class 'B' licences, JY6 = Club stations, JY7 = Club stations, JY8 = Tourists, JY9 = Visitors.

On April 8th 1962 W4UCH, Sterling, Virginia, QSO'd K3CPA, Washington, D.C., on 50 MHz. Nothing unusual??. Both the Modulator and the RF section of the W4UCH rig were powered by energy produced by bacterial organisms in a test tube 6" diameter and 7" long. The rig ran approximately 1 milliwatt. This QSO demonstrated the early use of the "Biochemical Fuel Cell". (QST July 1962)

QST for September 1973 (page 88) shows VQ9HCS as one of a number of "QSL'ers of the Month" for speedy QSL returns. (See New Members).

That VE8NN, VE8FD and VE8HH are the only YL operators in the entire VE8 area. (Tnx QST Sep 73).

## ADP TO THE RESCUE.

BY 'BB'. AND 'BE'.

### Or, Why do you now get up-to-date lists of members call-signs?

At the turn of the year, member 076, G3ONU, thought that it would be a splendid idea if up-to-date lists of members numbers and corresponding call-signs could be published in each quarterly copy of the Royal Signals Amateur Radio Society magazine "Mercury". The intention was that two lists would be produced, the first in membership number order, with membership numbers followed by call-sign, and the second in alphabetical order of call-sign, with call-signs followed by membership numbers.

The task of sorting the list, after amendment, into alphabetical order was somewhat formidable. However, 076 fortunately knew someone, who knew someone, who knew something about Automatic Data Processing (Computers, to the uninitiated), and as a result of a successful piece of "chatting up", two members of the late Project TRENCHARD team undertook to write a programme to persuade a computer to produce the desired lists. We are happy to say that this is now working satisfactorily and the master, from which the lists currently appearing in the Journal are photocopied, is actually printed by a computer.

Since the programming was either a spare time activity or had to be fitted in between other tasks, several weeks elapsed before any testing was carried out and then we were beset by numerous problems such as getting the initial data into the computer correctly, a series of faults with the terminal and the computer itself, and a low priority for getting a run anyway. There were also a number of abortive test runs, sometimes caused by parity or punching errors on the input tape, and sometimes because the stupid computer couldn't appreciate that the full stop following a job command should have been a comma. (A job command is always followed by a comma!).

However, by the end of February, we had a programme which read in the initial data in the form of a string of membership numbers with corresponding call-signs, then read in a list of amendments and amended the data previously read. It then organised this amended data into pages having three columns of sixty lines per page, added headings and printed it out. Next, the programme sorted the list into alphabetical order of call-signs. Leaving those starting with numeric character to the end, re-shuffled the data so that call-signs preceded membership numbers, and again organised it into pages. Finally, headings were added and the list printed.

At this stage the programmers decided to add a refinement and put in a routine to punch out the amended data on paper tape, for use as initial input for the next run. This worked well the first time it was used, but a change of operating system at the computer installation later resulted in a complete load of garbage. This was overcome, and further refinements, like underlining the headings and improving the spacing, were added. Several changes of output format were suggested by "you-know-who" and tried out, and we finally agreed on the layout now in use.

We, the programmers, would like to say that we enjoyed this task, and we wish all members of the RSARS many happy re-runs.

With the demise of Project TRENCHARD and the consequent imminent loss of computer facilities enjoyed until now, it is hoped that future running of the programme will be undertaken by some stalwart at DADPTC, BLANDFORD.

For those interested in facts and figures :-

The computer used so far is an ICL 1907E with 160K of core, operating under GEORGE 3 MK7. (MK6 at the start of this venture). The program is written in PLAN 3, compiles to 399 instructions, and uses 6080 words of core. It takes 27 seconds to compile and run, but if the program is held in semi-compiled form, a run is completed in 18 seconds.

Notional cost of each run is £3. (We don't actually have to pay).

"BB and "BE"

( Your Editor was particularly pleased to see this short note from "BB" and "BE" describing the



## THE BIRD.

### G3DPS

Producing the draft for "Mercury" takes time. It also requires a certain amount of inspiration. This inspiration is often obtained by gazing out of the window whilst sucking the end of a pencil (HB preferred). Whilst sitting and gazing one evening wondering if I could ever find out who Tony Teasa was, I became aware of a face staring at me from the other side of the window. It was an owl. Not very surprising as Blandford abounds with wild life. We continued to stare at each other. When the owl spoke, it came as no surprise either (after a spell as Gen. Sec. cum Editor very little surprises you!). "How much do you really know about your members?" asked the wise old owl. My first reaction was to ask him what the h--- it had to do with him, but decided that there must be a good reason for his asking. Drawing on the First-reserve-every-time answer, I said "Why?". "Well, lets see" he said, "Who went into a radio shop in Amiens, France, before Dunkirk and on reading the 'Hours of Opening' card discovered it was the owners QSL card - F8YH?". "No idea" I said. "Well, try asking G2YS", he said with a knowing look "And, incidentally, in the 1965 Call-Book, F8YH was still listed as George Ferrand, Chantenay-Villedieu, Sarthe, France". "Really" I said trying to appear disinterested. "Yes" he went on, "And who laid 3 pairs of D8 cable under a famous French river using a row boat and a motor boat?". "Don't try to kid me" I said "I happen to know that D8 isn't a submarine type cable". The last bit was added with an air of smugness. "Nevertheless he said, "I think if you ask GI5DX/RSARS 288 he will substantiate my statement". "Go on" I said knowing that he would anyway. "Right, where was G2TT/RSARS 291 on the 19 October 1940?". "I haven't got a clue" (I had to admit). "Arthur was in Egypt. By the way, he came from Enfield then, not Woodford Green as now". This really was a wise old owl, I decided. "OK" I said "Who was a Signalman in 1940, and lived at the same address as he does now, the only difference being that he had no 'G' prefix to his call?". (Thinks - that's stumped him!). "Easy" replied the owl "G2DHV/RSARS 643". The owl changed his weight to his other foot and blinked. "Who sent 'CQ DX 20' on a commandeered taxi horn on arrival in Malaya in 1940?" he queried, with a "All mortals are stupid." look. I thought. Must have a guess. "G3ONU?" I ventured. "No" he replied with a click of the tongue and a shake of the head. "It was RSARS 409 or, as you know him now G3BA". "Oh" I interjected. But he hadn't finished. But he was then GM3BA - and he didn't get a reply to his CQ either". "And who was promoted to Lieutenant-Colonel in 1940 and. decorated with the OBE (Military Division) for his services to the Royal Corps of Signals in France?". "I don't know" I admitted expecting him to tell me anyway. "Well, I suggest you make an attempt to find out" he said "He is still a member of RSARS with a number in the 180's". The knowing look in his eye told me that another question was about to be fired in my direction. I was correct. "Who had a ear in 1940 with the registration number JK 2103?". "Winston Churchill" I suggested. "Your ignorance is not covered by your supposed wit" he remarked "It was G6LL RSARS 393". I gave up. "Is there anything you don't know?" I asked, more in desperation than in a quest for knowledge. His reply shook me. "Yes" he said, "When the happy smiling photo of Captain C.R. Emary G5GH/RSARS 247 was published in 1940 why was it labelled "Captain Titch?". I shook my head. By way of consolation he added, "By the way, before that he had been VS6AX, you know". I changed the subject. "How old are you?" I asked. "Age does not matter to an owl, only knowledge". He looked around as if getting Flight Path clearance. "I'll be back in the not too distant future" he said as he took off and disappeared on noiseless wings. I shook my head as if to clear it. The end of the pencil was a wet soggy mess. I called to the XYL "Did you hear that owl talking to me?" The reply was merely "Don't you think you've done enough for one day. How about you having an early night for a change?".

P.S. My friend will come back again, I know he will and the tablets are working wonders.





## QUA1.

A paragraph in a letter from G3UAA asks :

"I wonder if you could find space for the following request for information? METAL LOCATORS. Pulse induction type, needed by G3UAA, QTHR or will chat about same off Nets, skeds to be arranged. Our members in the States are my best bet here, for firms in the USA have been making these units for some time. The only British firm found to be making these pieces of equipment will not divulge any details apart from block diagrams".

(To save you looking up the Call-Book. the address is, David (Alf) Ramsey. G3UAA. 28 Loxley Road. Glenfield. Leicester. LE3 8PB. - Ed.).



## THE RSARS CROSSWORD - SOLUTION.

|                 |   |                |                 |                 |                 |                 |   |                 |   |                 |                 |                |                 |
|-----------------|---|----------------|-----------------|-----------------|-----------------|-----------------|---|-----------------|---|-----------------|-----------------|----------------|-----------------|
| <sup>1</sup> S  | T | <sup>2</sup> A | M               | <sup>3</sup> M  | E               | <sup>4</sup> R  |   | <sup>5</sup> P  | O | <sup>6</sup> L  | E               |                | <sup>7</sup> C  |
| E               |   | G              |                 | O               |                 | E               |   | R               |   | O               |                 | <sup>8</sup> I | R               |
| <sup>9</sup> C  | O | M              | M               | O               | N               | F               | R | E               | Q | U               | E               | N              | C               |
| U               |   | A              |                 | N               |                 | U               |   | T               |   | D               |                 | A              | S               |
| <sup>10</sup> R | I | T              | E               |                 | <sup>11</sup> A | G               | R | E               | E |                 | <sup>12</sup> S | K              | I               |
| E               |   | B              |                 | <sup>13</sup> A |                 | E               |   | N               |   | <sup>14</sup> A |                 | I              | A               |
| <sup>15</sup> S | I | L              | E               | N               | C               | E               |   | <sup>16</sup> D | I | G               | I               | T              | A               |
|                 |   | A              |                 | G               |                 |                 |   |                 |   | A               |                 | C              |                 |
| <sup>17</sup> C | O | N              | V               | E               | Y               | <sup>18</sup> S |   | <sup>19</sup> P | I | T               | C               | H              | <sup>20</sup> S |
| O               |   | D              |                 | R               |                 | C               |   | R               |   | E               |                 | E              | C               |
| <sup>21</sup> N | I | F              | E               |                 | <sup>22</sup> C | H               | A | O               | S |                 | <sup>23</sup> A | N              | N               |
| T               |   | O              |                 | <sup>24</sup> D |                 | O               |   | V               |   | <sup>25</sup> W |                 | S              | N               |
| <sup>26</sup> A | E | R              | I               | A               | L               | O               | P | E               | R | A               | T               | I              | O               |
| C               |   | D              |                 | V               |                 | L               |   | R               |   | V               |                 | N              | E               |
| T               |   |                | <sup>27</sup> N | E               | T               | S               |   | <sup>28</sup> B | R | E               | A               | K              | E               |



## DID YOU KNOW?

That G4BKU, Ron Foot, of 10 Hughenden Road, Horfield, Bristol, BS7 8SF has FOR SALE A 4-gang capacitor, 12 - 532 pfd, aluminium vanes, low loss construction, with ceramic spinal and insulated pillars. Rotor is isolated from frame. Used as a lumped capacitance only and in AS NEW condition. Current price £14 + VAT. ASKING PRICE £3 - 50p. Contact Ron at the above address.

That DA2XT/G3UCT expects to be in VP1 by December for 1½ - 2 years.

That Cpl Bob Norcross (RSARS 606) who has been VS9ARN and VS6AF in the past is now VK6WO and hopes to re-activate a VS6 call-sign in the near future.

That RSARS 896, John Harrison of Radcliffe, Manchester, has offered a collection of old radio books and vintage radio gear to the Wireless Preservation Society. If you have anything of interest to donate, please write to : G3KPO at Homa House, Quadring Watergate, Spalading. Lincs.

That by the time you read this, Dave Sugden, ZC4DS, will be back in the UK and signing G4CGS?.

That 450 operators were due to go to Ogasawara Islands with the JD1 DX-pedition between July 27th and August 11th?. Calls were to be JD1AHN, JD1AHR, JA3LWA/JD1 AND JA3THL/JD1. Anyone work them?

### ON THE AWARDS SCENE - G3EKL

Hello again from Salisbury Plain and here are some more bits and pieces from the Society's Awards and Contests Front.

First to Awards, and heartiest congratulations to:-

- i) GW3ASW - Cyril, for advancing to the Special Award - Bronze Plaque level.
- ii) G3UAA - Alf, for successfully claiming his Special Award (Europe) and the Bronze Plaque in addition to a CW certificate at the 100 level (Alf has 48 more to the 150 point, too!).
- iii) 9H1BX - Norman, who is also the proud possessor of a Special Award (Overseas) Plaque as well as the Bronze Plaque.
- iv) G3YBT - Colin, who has also satisfied the eagle eye of your scribe and successfully claimed his Special Award (Europe).
- v) G3XHJ - Wilf, the last of the members to have me scurrying through lists, cards, membership joining dates, etc. But the result? - Special Award (Europe) No. 11.

A splendid achievement, Gentlemen, and I know that many of our members would like to join me in thanking you all for generating so much activity on the Bands.

I have rehashed the Awards presentation system in an endeavour to let you see more easily just where you are, with the leader at the top of the ladder. As members "Overseas" require only half the scores asked of "Home" members, I have doubled all the "Overseas" scores for inclusion in the ladders. But even with this rehash, there are quite a few of you hiding your scores under log-books or else you are extremely bashful!! There must be at least two "Anons" who could be well up the CW ladder!!

Be that as it may, here are the ladders as at 1st September with G2KK perched precariously at the top of two of them - Well done, Ken!!

#### CONFIRMED "ANY MODE" CONTACTS.

|     |              |     |     |          |   |     |          |     |        |
|-----|--------------|-----|-----|----------|---|-----|----------|-----|--------|
| 450 | G2KK         | *** | 200 | 9M2DQ    | * | 100 | G3ONU    | 100 | G3MAY  |
| 400 | G8VG         | *** | 200 | GM3PIP   | * | 100 | DL6AA    | 100 | G2CVY  |
| 350 | G3XSN        | **  | 200 | G3YBT    | * | 100 | GI3JEX   | 100 | G2HKU  |
| 300 | 9H1BK        | **  | 200 | ZC4HS    |   | 100 | GM3LWS   | 100 | DL5XW  |
| 300 | GW3ASW       | **  | 200 | VS6AL    |   | 100 | G3ZFZ    | 100 | G3VIR  |
| 300 | G3UAA        | **  | 200 | G3JVD    |   | 100 | G3ZCV    | 100 | GW3HUM |
| 250 | G3HWL        | *   | 200 | 9H1BE    |   | 100 | G3WZQ    | 100 | G3WMZ  |
| 250 | G3EKL/MP4TDA | *   | 200 | 5Z4LS    |   | 100 | G3WPW    | 100 | G3EYD  |
| 250 | G3YSK        | *   | 100 | G3HSE    |   | 100 | SWL(349) | 100 | G3UTI  |
| 250 | GW3XHJ       | *   | 100 | G3HBE    |   | 100 | G3IR     | 100 | G3ZDP  |
| 200 | VS6AA        | *   | 100 | SWL(624) |   | 100 | G3NVK    | 100 | GM3HGA |
| 200 | MP4TAF       | *   | 100 | G3WRY    |   |     |          |     |        |

#### CONFIRMED "ALL CW" CONTACTS.

|     |       |    |       |    |              |    |        |
|-----|-------|----|-------|----|--------------|----|--------|
| 150 | G2KK  | 50 | G3XSN | 50 | G3EKL/MP4TDA | 50 | GW3ASW |
| 100 | G8VG  | 50 | G3YBT | 50 | G3YSK        | 50 | G3VIR  |
| 100 | G3UAA |    |       |    |              |    |        |

#### CONFIRMED "VHF" CONTACTS.

|    |       |    |                      |    |       |
|----|-------|----|----------------------|----|-------|
| 20 | G3YSK | 20 | G3VIR(4 Metres only) | 12 | G3EKL |
|----|-------|----|----------------------|----|-------|

#### REMARKS :

- i) All "Overseas" members scores are doubled (except MP4TDA)
- ii) \* = Special Award.
- iii) \*\* = Special Award with Bronze Plaque.
- iv) \*\*\* = Special Award with Silver Plaque.

Before I leave the Awards Department could I make a plea to all claimants to read the Rules for claiming carefully before going to print, please! The layout most suitable for me to check is as follows:-

| Serial. | Call-sign. | RSARS No. | Mode.    | Date.  | Remarks. |
|---------|------------|-----------|----------|--------|----------|
| 01      | G4RS       | HQ        | CW       | 040169 |          |
| 02      | G3DSS      | 003       | SSB      | 100669 |          |
| 03      | G3ADZ      | 039       | SSB      | 210569 | 4 Metres |
| 04      | G3EKL      | 046       | SSB      | 210569 |          |
| 05      | MP4TDA     | 046       | CW       | 131070 |          |
| 06      | G4QD       | 093       | SSB      | 190369 |          |
| 07      | VS6AA      | 282       | CW       | 110969 |          |
| 08      | DA2YW      | 282       | SSB      | 031071 |          |
| 09      | G3RWF      | 293       | SSB      | 110573 |          |
|         | etc.,      | etc.,     | etc.,    | etc.,  |          |
|         | CW         | Overseas  | Any Mode |        |          |
|         | 3          | 2         | 9        |        |          |

This way each sheet of your claim can show a sub-total of CW, Overseas and Any Mode contacts. The "ANY Mode" figure is the maximum number on the sheet, of course! The RSARS Number column is in sequence whether CW, Overseas, VHF, RTTY or what have you. This gives me a much better chance of checking claim against claim, etc. Thank you very much indeed.

Now to Contests. The Anniversary Contest last June caused quite a flurry of activity in 'G' land and the winner was Cyril. GW3ASW (57 points) with Eric. G3OYS, second (54 points) and Dick. G3NVK, third (46 points). Check logs were received from several members for which many thanks. There were no entries "outside Zone 14" and only one SWL entry. So the prizes go to:-


- a) Zone 14 Leader - GW3ASW  
b) Overall SWL Leader - J.K. HARVEY (095).

Congratulations to you both and a particular pat on the back for Eric, G3OYS, who did extremely well in his first ever Contest.

The 5-59 Trophy season is upon us again with slight alterations to last seasons rules. The last issue of "Mercury" carried the rules for the 73/74 session and I hope the changes result in a more balanced result - also some more entries!

The general operating award rules follow on after this together with suggested times/frequencies for RSARS Activity Sunday and also the more regular Net slots. Don't forget the 'MOP' Award (no, it's not for the bloke who hasn't seen the barber for a long time!) - Most Overall Progress - for the member who has made the most progress during the year as reported on the Awards Ladders. So get your bids in to me as soon as you like - the year runs from Jan 1st to 31 Dec (funny old year, isn't it!?).

Best of health and DX

73.....de  
  
G3EKL (046)  
(2329515)

RSARS ACTIVITY WEEK-ENDS. Dates : Last Sunday in each month.

| Frequencies       | Suggested times - GMT | Frequencies   | Suggested times - GMT |
|-------------------|-----------------------|---------------|-----------------------|
| 28-025 - 18-030 ) | Dependent upon Band   | 7-025 - 7-030 |                       |
| 28-575 )          | Conditions            | 7-025         | 1030 - 1230           |
| 21-025 - 21-030 ) |                       | 3-525 - 3-530 |                       |
| 21-375 )          |                       | 3-720         | 0900 - 1030           |
| 14-025 - 14-030   |                       | 144-330       | 1000 - 1030           |
| 14-175            | 1200 - 1400           |               |                       |
| 14-275            |                       | 70-22         | 1100 - 1130           |

Full details of RSARS Nets appear inside back cover.

### RSARS OPERATING AWARDS

The following RSARS Operating Awards are available free of charge to fully paid-up Full and Associate members and to Clubs affiliated to the Society, with effect from 1<sup>st</sup> January 1969. All contacts must be made with fully paid up members of RSARS.

|                            | <u>Europe</u> | <u>Overseas</u> |                             |
|----------------------------|---------------|-----------------|-----------------------------|
| a) Basic Certificate       | 25            | 12              | )                           |
|                            |               |                 | ) Confirmation on any       |
| b) First Class Certificate | 100           | 50              | ) Band, any Mode.           |
| Sticker increment          | 200           | 100             | )                           |
| Subsequent increments at   |               |                 | )                           |
| the 50/25 points, e.g.     | 250           | 125             | )                           |
| c) CW Certificate          | 25            | 12              | ) Confirmations on any      |
| Sticker increment at the   |               |                 | ) band, CW to CW.           |
| 50/25 point upwards.       |               |                 | )                           |
| d) Special Award plaque    | 200           | 100             | ) Confirmations, any Band,  |
| Bronze Clasp               | 300           | 150             | ) any Mode, but percentages |
| Silver Clasp               | 400           | 200             | ) as per para. 10.          |
| e) VHF Certificate         | 12            |                 | ) Confirmations, any Mode,  |
| Sticker increments at the  |               |                 | ) for contacts on 70 MHz    |
| 20/30/40 points upwards.   |               |                 | ) or higher.                |

The basic rules are:-

- Members are required to submit confirmations of two-way contacts or reports from other member stations. All claims, except for the VHF Certificate, are to include a contact with G4RS (but not any other call operated from the HQ station).
- "European" members are defined as those within 'CQ' Zone 14, and "Overseas" members as those outside Zone 14.
- "Overseas" members who move to "Europe" may count any confirmations gained whilst operating outside Zone 14 towards "European" Awards.
- "European" members who move Overseas may NOT count confirmations gained within Zone 14 towards "Overseas" Awards.
- Contacts with a membership number within the bounds of the "Europe" and "Overseas" areas can be claimed ONCE ONLY per area irrespective of the call-sign, prefix or suffix used. The maximum number of contacts per membership number is, therefore TWO. (i.e. member number 046, once as MP4TDA and once as G3EKL).
- Members must ensure that operating practices are maintained to the highest standards at all times. UNASSISTED two-way contacts are required between the stations concerned. Relaying of reports, etc., by a third party is NOT permitted. The terms of the licence must be strictly observed and members who are granted licences for operation in other countries may be asked to submit proof of authentication to RSARS.
- Members are required to exchange the following to qualify for a contact:-  
a) Signal Report, b) Membership Number, c) Name, d) QTH.
- Claims for Awards may be submitted in two ways as follows:-  
a) The requisite number of QSL cards, plus duplicate check list, or  
b) Duplicate check lists plus a certificate signed by an Officer of a National Radio Society or two other amateurs, one of whom must be a fully paid up member of the RSARS. (See below for Certificate).

The check lists are required to give the Membership Number, Call-sign, Mode of Operation and date or contact. Lists are to be submitted in Membership Numerical sequence. (When QSL cards are submitted, sufficient postage or IRCs should be included to cover the cost of return of the cards).



# CERTIFICATE

We, the undersigned, acting on behalf of the RSARS, certify that we have personally checked a total of QSL cards confirming QSOs made by (Name) (Call-sign) (QTH) (RSARS No.). To the best of our knowledge these represent contacts made by the applicant in compliance with the RSARS Operating Awards rules (a copy of which has been seen by us). We know of no reason to invalidate the claim.

Signature, Call-sign and RSARS No. of first checker \_\_\_\_\_

Signature, Call-sign and RSARS No. of second checker \_\_\_\_\_

Date \_\_\_\_\_

9. The Awards Manager will retain one checklist for future reference and return any QSL cards received. Subsequent claims need not include earlier confirmations unless a different Award is being claimed.

10. Claims for the "Special Award" are to include 10% CW to CW confirmations and in addition, "European" member claimants must include 5% "Overseas" contacts.

11. Society sponsored DX-peditions and Special Events Stations, may be allocated an Affiliated Aff Number for Award purposes.

12. All claims for, or correspondence or queries on, RSARS Awards should be addressed to : THE RSARS AWARDS MANAGER, MAJOR (QM) R.A. WEBB G3EKL ROYAL SIGNALS, NETHERAVON AIRFIELD, NETHERAVON, WILTSHIRE.

## RSARS NETS AND FREQS

### LF PHONE

|           |            |                |       |                         |
|-----------|------------|----------------|-------|-------------------------|
| MONDAY    | 1100 GMT   | 3-650 MHz or - | PHONE | RSARS Far East Net (*)  |
| MONDAY    | 1315 LOCAL | 3-720 MHz or + | PHONE | European Natter Net     |
| TUESDAY   | 1315 LOCAL | 3-720 MHz or + | PHONE | European Natter Net     |
| TUESDAY   | 2000 LOCAL | 3-720 MHz or + | PHONE | European Controlled Net |
| WEDNESDAY | 1100 GMT   | 3-650 MHz or - | PHONE | RSARS Far East Net (*)  |
| WEDNESDAY | 1315 LOCAL | 3-720 MHz or + | PHONE | European Natter Net     |
| THURSDAY  | 1315 LOCAL | 3-720 MHz or + | PHONE | European Natter Net     |
| THURSDAY  | 2000 LOCAL | 3-720 MHz or + | PHONE | European Controlled Net |
| FRIDAY    | 1100 GMT   | 3-650 MHz or - | PHONE | RSARS Far East Net (*)  |
| FRIDAY    | 1315 LOCAL | 3-720 MHz or + | PHONE | European Natter Net     |
| SATURDAY  | 1030 LOCAL | 7-075 MHz or - | PHONE | European Natter Net     |
| SUNDAY    | 1030 LOCAL | 3-720 MHz or + | PHONE | European Natter Net     |

### HF PHONE

|           |          |                        |       |                              |
|-----------|----------|------------------------|-------|------------------------------|
| TUESDAY   | 0100 GMT | 14-275 MHz or -        | PHONE | RSARS Western Hemisphere Net |
| TUESDAY   | 1100 GMT | 14-175 MHz or -        | PHONE | RSARS Far East Net           |
| WEDNESDAY | 1300 GMT | 14-175/14-275 MHz or - | PHONE | RSARS World Wide Net         |
| THURSDAY  | 0100 GMT | 14-275 MHz or -        | PHONE | RSARS Western Hemisphere Net |
| THURSDAY  | 1100 GMT | 14-175 MHz or -        | PHONE | RSARS Far East Net           |
| SATURDAY  | 0100 GMT | 14-275 MHz or -        | PHONE | RSARS Western Hemisphere Net |
| SATURDAY  | 1100 GMT | 14-175 MHz or -        | PHONE | RSARS Far East Net           |
| SUNDAY    | 0100 GMT | 14-275 MHz or -        | PHONE | RSARS Western Hemisphere Net |
| SUNDAY    | 1100 GMT | 14-175 MHz or -        | PHONE | RSARS Far East Net           |

(\*) All Western Hemisphere and Far East Nets are experimental at present. Net Controls have not yet been appointed. Overseas members are asked to use these times/frequencies with a view to them becoming permanent Net frequencies or changes made as necessary.

Other HF Phone frequencies are : 21-375 MHz and 28-575 MHz.

### VHF PHONE

|           |                 |             |           |            |                  |
|-----------|-----------------|-------------|-----------|------------|------------------|
| TUESDAY   | 1900-2000 LOCAL | 70-22 MHz   | WEDNESDAY | 2000 LOCAL | 3-575 MHz Contr. |
| WEDNESDAY | 1900-2000 LOCAL | 144-320 MHz | SUNDAY    | 1030 LOCAL | 3-575 MHz Natter |

### LF RTTY

FRIDAY 2000 LOCAL 3-590 MHz

### HF RTTY

SATURDAY FROM 1600 GMT CHECK/CALL ON 14-090/QSY 45-5 BAUDS

LET RSARS HQ KNOW YOUR REGULAR OPERATING TIMES/MODES FREQUENCIES. THESE CAN BE PUBLISHED IN "MERCURY".

Several interesting Catalogues, etc, have come through the Post in the past couple of months. One was from KW Electronics Ltd of Dartford, Kent. This contained details of many KW products, including the KW2000E (All amateur bands 1.8 - 30, plus 2.0 - 2.3 and 15.0 - 15.5 MHz on receive, 180W PEP on SSB, 150W on CW, a stability of within 100 Hz after 30 minutes warm-up and less than 100 Hz with 10% line voltage variation, carrier suppression of 50db from peak output, a RX sensitivity of 0.5 microvolt for 10db Signal-plus-noise to Noise ratio, etc. etc.). If you are a 'separates' man then there's full details of the KW202/KW204 set-up. For that 'awkward' antenna there's the KW E-Z Match and the KW 107 (the latter is in use at G4RS and works well). For the man who has everything at 180W PEP, there's the KW1000 Linear and for the other man who has everything including TVI there is the KW Low Pass Filter. If you are keen on improving the antenna system there is the KW Balun, the KW Antenna Switching Unit, the KW Trap Dipole and the KW103 Combined SWR/RF Power Meter. Don't forget the KW108 Monitorscope if you want to see what the signal looks like. On the receive side, how about the KW110 Q-multiplier? KW Electronics handles many other products besides, including CDR Rotators, Hy-Gain Antennas, Mosley Antennas, HZP Baluns and Yaesu Musen equipment. Also G-whip Antennas, Dummy Load resistors by Electrosil, Shure Microphones, Auto Transformers, Hitachi SW Car Radio Adaptors, 'T' Insulators, Ribbed Polypropylene, Danovox Headphones, Mullard FX1587 and 1588 Ferrite Rings, Copper Aerial Wire, Polystyrene Cord, Mechanical Filters, Vibroplex Keys, and Valves including 7360, 572B/T160L, 6146, 6146B, 6HF5, 6LQ6 (Singles and Matched Pairs). Drop a line to KW Electronics Ltd, Vanguard Works, 1 Heath Street, Dartford, Kent, DA1 2LH., or ring Dartford 25574. Mention RSARS and don't forget the 5%, discount offered to RSARS members.

From a little nearer home (Southampton) comes a couple of catalogues from Western Electronics. Browsing through shows the following : The solid-state FT101, the FL-2100 Linear, the FT-75 Transceiver, the FT-200 Transceiver, the FT-DX-401 Transceiver, the FL-400 Transmitter, the YC-305 Frequency Counter, the FL-2500 Linear Amplifier, the FL-2000B Linear Amplifier, the FT-2FB 2 Metre Transceiver, the FT-2 Auto, the YC-305D Frequency Counter, the Model TE7-01 and TE7-02 Antenna Noise Bridges, etc. If you are interested in Slow-Scan, Western Electronics advertise the Robot Model 70 Monitor and the Robot Model 80 Slow-Scan Camera. Other items include the Tempo Solid State 2 Metre FM Amplifiers, 441- 432 MHz Transvertor, the FMB 20C 2 Metre Power Amplifiers (90/50 Watts out - 10/1 Watt in), Power/SWR Meters, the MC-22 Speech Compressor, type EK-26 and EK-70 Electronic Keys, Caslon Clocks and Honda Portable Generators. This catalogue is well illustrated and gives complete technical details of all items. A separate Price List is issued. For further information, write to : Western Electronics (UK) Ltd., Osborne Road, Totton, Southampton, Hants, SO4 4DN, or ring Totton (042-16) 4930 and 2785. Please mention RSARS.

The May 1973 Price List for Stephens-James Ltd, 70 Priory Road, Liverpool L14 2RZ shows a host of 'goodies' from the Yaesu/Sommerkamp, Trio, KW, Shure, Hy-Gain, G-Whip, Barlow-Wadley, Codar, Eddystone and J-Beams ranges. Details are also included of Microwave Modules 144MHz Transistor Receivers and Transmitters, MOSFET Convertors and the Sommerkamp IC-21XT 2M FM Transceiver. Write to above address or - ring 051-263-7829.

J-Beams sent along their catalogue which deals with their well-known series of antennas. The 10/4Y is a four element 10 Metre Beam giving 7 db gain. For 2 Metres types range from a Halo through Crossed Dipoles, Omni-Vs, 4, 6, 8, 10 and 14 element arrays, including a Crossed 10 element Yagi for Moon-bounce and Satellite tracking, to 4 over 4s, 6 over 6s and 8 over 8 arrays. For 4 Metres there are 3 and 4 element Yagis and for 70 Centimetres 14, 18 and 46 element Yagis as well as an 8 over 8. Rotators, mounting brackets, portable Masts and a host of accessories are included. Drop a line to J-Beams Engineering Ltd., Northampton, NN5 9JD, or ring (0604) 63531. J-Beams are also the UK Agents for "VHF Communications", published in Western Germany but printed in English. The May 1973 edition covers A Modular ATV Transmitter, a 144 MHz Linear Amplifier, a six-digit Frequency Counter etc. Good value at £2 annually for four editions.

MINUTES  
OF  
THE 12th ANNUAL GENERAL MEETING  
OF  
THE ROYAL SIGNALS AMATEUR RADIO SOCIETY  
HELD AT  
BLANDFORD CAMP  
DORSET  
ON THE 14th JULY 1973

\*\*\*\*\*

PRESENT :

|                 |        |                  |        |
|-----------------|--------|------------------|--------|
| D. SMITH        | 919    | S. FAHY          | 432    |
| B. SETTERFIELD  | ----   | R. WINTERS       | G3NVK  |
| K. COOK         | G2KK   | J. BUTTON        | G3YSK  |
| R. LOCK         | G3PHK  | I. LINEHAM       | ----   |
| D. HANKINS      | ----   | R. BROWNING      | G8TK   |
| I. WHITWORTH    | G3OFB  | A.N. OTHER       | ----   |
| L. WARBOYS      | G3AFD  | H. PEERS         | G3BEZ  |
| A. PAXTON       | G3BIZ  | E. BLYTH         | ----   |
| D. HAYWOOD      | G3OMH  | B. CLARK         | G3BEC  |
| R. WEBB         | G3EKL  | J. COOPER        | G3DPS  |
| G. TITCHMARSH   | 617    | C.R. MOUNTJOY    | GW3ASW |
| D. FRENCH       | G3HSE  | J. WILSON        | GW3BGP |
| F. HICKS-ARNOLD | G6MB   | H. HUNT          | G3ECV  |
| J. CHISHOLM     | G2CX   | J. DAW           | 935    |
| R. BRADE        | G3VIR  | T. KEATS         | G4CCN  |
| G. CUNNINGHAM   | G8FG   | R. COLE          | G6RC   |
| H. BLUER        | G3UUZ  | R. FOOT          | G4BKU  |
| W. ROBINSON     | GW3XHJ | H. SMITH         | G3POY  |
| J. EVERETT      | G4CDP  | W. JAMES         | G6XM   |
| N. RABAN        | ----   | F. PARTINGTON    | G4BZP  |
| J. RICHARDSON   | G4BZQ  | W. LINDSAY-SMITH | G3WNI  |
| D. MAJOR        | VU2MD  | H. STENHOUSE     | G3MAY  |
| D. MACDONNELL   | G8DK   | P. CAREY         | G3UXH  |
| C. STONE        | G8BKU  | T. GATES         | 310    |

COUNCIL REPRESENTATIVES :

|                                        |   |                               |        |
|----------------------------------------|---|-------------------------------|--------|
| CHAIRMAN AND AWARDS/CONTEST MANAGER    | : | MAJOR (QM) R.A. WEBB R. SIGS  | G3EKL  |
| GENERAL SECRETARY AND EDITOR "MERCURY" | : | CAPT. (TOT) J. COOPER R. SIGS | G3DPS  |
| TREASURER                              | : | MR. G. TITCHMARSH             |        |
| QSL BUREAU MANAGER                     | : | MR. D.C. FRENCH               | G3HSE  |
| NON-SERVING MEMBERS REPRESENTATIVE     | : | CAPT. (RTD) C.R. MOUNTJOY     | GW3ASW |

APOLOGIES :

Apologies for absence were received from the President and various members unable to attend the meeting.

INTRODUCTION :

The Chair was taken by Major (QM) R.A. Webb Royal Signals G3EKL/RSARS 046 as senior Council member present, in the absence of the President, Vice-President and MOD Secretary. The Chairman then apologized for the absence of other Council members due to military duties, etc. He went on to welcome all members present to Blandford and the Annual General Meeting, including the Ladies, and particularly those members who had travelled long distances to attend. Particularly welcome was Lieut. Col. D.A. Major from Bombay (VU2MD/RSARS 767) who had changed his holiday arrangements at short notice in order to attend this Meeting. A letter of apology from the President was then read to the Meeting.

#### MINUTES OF THE LAST MEETING :

The Chairman then called upon the General Secretary to read the minutes of the 11th Annual General Meeting held on the 30th July 1972.

#### MATTERS ARISING FROM THE PREVIOUS MINUTES :

The Meeting was then invited to raise any matters relating to the Minutes of the previous Meeting. There being no matters arising, the Chairman then asked that the Minutes be accepted as a true and accurate record of the last Meeting.

|                        |                  |
|------------------------|------------------|
| Proposed by            | : Mr. J. Button  |
| G3YSK                  |                  |
| Seconded by            | : Mr. D. Hayward |
| G3OMH                  |                  |
| Vote : Unanimous - For |                  |

The Chairman then clarified various points in the Minutes of the last Meeting and gave explanations on actions since taken by Council on matters arising. He spoke on details of the caravan suggested last year and pointed out that the figures quoted (£1,250 for a new unit and £950 for a second-hand unit) were beyond the resources of the Society. Various other problems, such as Insurance and the availability of a towing vehicle had developed and the Council had decided to drop the project.

The Chairman then mentioned the reference to the G4RS News Service, and stated that the suggested procedure of G4RS informing Net Controls of latest developments, new members, etc., was working well, and GW3ASW was distributing this information on the SSB Net to Net members and Listeners within the terms of the amateur radio license.

In accordance to a proposition at the last Meeting, the Awards Manager had 're-hashed' the Awards Scheme as suggested and the new Awards rules were proving popular as was evidenced by the increased number of RSARS Awards issued in the past year, and the increased use of the RSARS QSL Bureau.

To clarify any misunderstanding regarding the election to Council of a Non-Serving Members Representative, the Chairman stated that although it would appear that publication of the details in "Mercury" had been overlooked last year, it was confirmed that Captain (Rtd) C.R. Mountjoy, GW3ASW, RSARS 559 had been co-opted to the Council as Non-Serving Members Representative, and, during the past year his valued opinion had been sought on several subjects, including the re-write of the Society Rules. In order to avoid any further misunderstanding the Chairman announced that, subject to the approval of the Meeting, Captain Mountjoy would serve as Council member for a further period of one year. Captain Mountjoy indicated his willingness to serve in this capacity for the period 1973/74.

The Chairman went on to state that the Rules of the Society were being revised and up-dated. No major changes were envisaged, but such points as changing the financial year to permit the books to be closed in good time prior to the AGM, changing the subscription to decimal currency and clarification of members voting rights, etc., would be included. To bring the rules in line with accepted procedure, they would be changed to permit all members, including Affiliated Clubs and Societies to have one vote irrespective of class of membership, subject to the President or Councils approval.

A question to the Chair regarding the proposed DX-pedition to Shiant Island (1972 AGM) was answered by the General Secretary who stated that, due to Society involvement in "Flying Angel" (Cross-Atlantic) communications it had not been possible to arrange this DX-pedition during the past year. However, the project had NOT been completely abandoned.

#### APPOINTMENT OF COUNCIL MEMBERS :

The list of proposed Council Members for the following year was then presented to the Meeting for comment and/or approval. There was no comment from the floor and the new Council was unanimously approved by the Meeting.



|                          |                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------|
| PRESIDENT                | : Brigadier W.E. Sharrett, MBE. D. Tels., (or as appointed by the Signal Officer in Chief) |
| VICE-PRESIDENT           | : Major-General E.S. Cole, CB CBE G2EC.                                                    |
| MOD SECRETARY            | : Captain T. Moncur Royal Signals (or as appointed by The Director of Telecommunications)  |
| GENERAL SECRETARY        | : Captain (TOT) J. Cooper Royal Signals, G3DPS.                                            |
| EDITOR "MERCURY"         | : Captain (TOT) J. Cooper Royal Signals, G3DPS.                                            |
| TREASURER                | : Mr. G. Titchmarsh.                                                                       |
| AWARDS MANAGER           | : Major (QM) R.A. Webb Royal Signals, G3EKL.                                               |
| QSL BUREAU MANAGER       | : Mr D. French BEM G3HSE.                                                                  |
| NON-SERVING MEMBERS REP. | : Captain (Rtd) C.R. Mountjoy, GW3ASW.                                                     |

#### GENERAL SECRETARY'S REPORT :

The Chairman then called upon the General Secretary to give his report.

The General Secretary stated that he had only been appointed in March this year and his report would be, therefore, a little sketchy. He stated that the previous year had certainly been a successful one for the Society and this was, in general, due to those members who had taken an active interest in the Society, and in particular, to the efforts of the previous General Secretary, Capt. (TOT) 'Bill' Graham, MBE Royal Signals G3KPQ, now cooling his heels in the Shetland Islands. A few members had dropped out, the exact number could not be given as a "period of grace" up to and including the AGM had been granted to those members whose subs were still outstanding. However, the overall average of "losses" was well below the more usual annual figures of about 18%, and new members were filling the gap. The General Secretary found it surprising that one new member had spent nearly two years trying to find out how to join the Society!! The vast majority of members take an interest in the Society and a small proportion take an active interest, and, on the whole, there have been few grumbles.

It was then stated that one of our main sources of income was from Members Supplies, and, in view of this, two new items of stock were being added - Dymo Stickers - both requested by members. Details of sales were then given; 31 Ties, 20 Plain Badges, 28 Call-sign Badges, 1,550 Sheets of Notepaper, 24 Log Books, 2,732 Basic QSL Cards and 26,250 Overprinted QSL Cards. This represented a taking of over £290. It was then pointed out that stocks of some items were getting low and replenishment may mean an increase in some prices. 50 Ties and 50 of each type of Lapel Badge had been ordered. Ties would certainly cost more but, in return, members would get Ties 1 inch longer, and ½ inch wider!!

The biggest problem for the General Secretary (and the Treasurer) was overdue subscriptions. At the time of the AGM £55 in subscriptions for 1972 and 1973 were still due from members. The General Secretary pointed out that if a member made a duplicate or excess payment this would be credited to future years or returned as requested.

It was then stated that the Editors Report would be combined with the General Secretaries. Regarding "Mercury" it had always been the intention of the Council and the Editor to produce a better Journal. Articles are always wanted and thanks are extended to those members who have submitted articles in the past. Members views on the content of "Mercury" are always solicited, but, in the past, opinion has been divided just about 50/50, i.e. More letters/Less letters, More technical articles/Less technical articles, A higher standard/More for the beginner, etc., etc. It should be remembered that staff at HQ is in very short supply, but it is always the intention to "please the majority".

The Chairman, thanked the General Secretary for his report and called upon the Treasurer for his report.

#### TREASURERS REPORT:

The Treasurer went through the Balance Sheet, copies having been distributed to the Meeting. He commented upon, and explained, the various entries where necessary. A question from the floor from G6RC regarding the bringing to account of equipment not actually purchased by the Society was explained by the Treasurer and the Chair. It was pointed out by the Chairman that Society accounting was carried out in accordance with Rule 14(a) and "The Interim Instructions for the Maintenance of Service Funds Accounts" (W.O. Code No. 14865). After all explanations were offered and accepted, the Chairman asked the Meeting to accept the Treasurer's Report.

Proposed by : Mr. K. Cook G2KK  
Seconded by : Mr. P. Carey G3UXH  
Voting : Unanimous - For

#### WRITTEN PROPOSITIONS :

The Chairman then stated that only one written proposition was to hand and this was presented to the Meeting.

PROPOSED that Arthur Milne G2MI be made an Honorary Life Member of the Royal Signals Amateur Radio Society in recognition of his services to Amateur Radio in general and to the Society in particular by the efficient running of the RSGB QSL Bureau and the News Bulletin Service.

Proposed by : Lieut. Col. D. Barry G3ONU  
Seconded by : Capt. (TOT) J. Cooper G3DPS  
Voting : Unanimous - For

Prior to the voting on this Proposition, the Chairman gave the Meeting details of the assistance received from Mr. Milne regarding distribution of Society and other QSL cards.

#### PROPOSITIONS FROM THE FLOOR :

The Chairman then called for propositions from the floor of the Meeting.

PROPOSED that a vote of thanks to the present Council be recorded for their service during the past year.

Proposed by : Mr. R. Lock G3PHK  
Seconded by : Mr. J. Button G3YSK  
Voting : Unanimous - For

The Chairman thanked the Meeting in a suitable reply.

A member then commented from the floor on the recent use of "stickers" on the envelopes in which "Mercury" was delivered requesting members to inform HQ of address changes and their Postal Code. Being a Post Office employee the member stated that this would help the Post Office as well as the Society as, under certain circumstances, the Postal Code allowed the Post Office to isolate an address to within 4 houses in a street.

The Chairman thanked the member concerned for this information and again stressed the need for all members to inform HQ of their correct address and Postal Code.

There being no further propositions, the Chairman called for a report from the QSL Bureau Manager.

G3HSE stated that the QSL Bureau had been busier than ever, but despite, or perhaps because of, the extra work he found the task a very enjoyable one. Several members still did not have envelopes lodged at the Bureau and this meant that space had to be found to store the cards. It would help to clear the cards if members would forward envelopes to the Bureau. Mr. French then went on to inform members of possible future postal charge increases and suggested that all members should bear this in mind when sending SAEs to the Bureau in future. He also commented on the use of oversize QSL cards by members. Not all QSLs fit into a standard size envelope, and if members do not want their cards bent, they should endeavour to send envelopes of a sufficient size.

The Chairman then thanked G3HSE for his report and his past services to the Society by way of the QSL Bureau.

The Chairman then "changed his hat" to that of RSARS Awards Manager and presented his report to the Meeting. He stated that, the Awards Scheme was becoming increasingly popular and he showed the Meeting examples of the "Special" Award and the "Bronze" Clasp Award. He then gave a list of the various Awards issued within the last year.

#### ANY OTHER BUSINESS :

When Any Other Business was called for, G3POY, Mr. H. Smith proposed a vote of thanks to all those concerned with the Society and the Annual General Meeting arrangements. This was unanimously seconded by the Meeting and the Chairman made a suitable reply.

There being no further business, the Chairman then presented, on behalf of the Society, the following trophies :

To G2KK - an inscribed plaque in recognition of his past services to the Society and on the occasion of his permanent departure from the U.K. to New Zealand.

To G3NVK - The GW3ASW '5-59' Trophy, won in open competition during the previous year.

To Mr. Titchmarsh - The GW2OP Trophy for his continued excellent services to the Society in the capacity of Treasurer.

To W9IWI ( In absentia) - The "Best 'Mercury' Article" plaque for his article "The Jablin Effect" in the Spring 1973 issue.

Prior to the presentations the Chairman accepted from GW3ASW the '5-59' Trophy and commented upon the generosity of the presentation and the excellence of the Trophy. He pointed out that this had been presented by GW3ASW for annual competition between members.

There being no further business, the chairman declared the 12th AGM closed.

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TREASURERS REPORT  
1972/1973.

It is once again my pleasure to report to you that the period 1972/73 has been a successful one for our affairs and that our audited accounts show that our assets have increased by £242 86p from those shown on last years Balance Sheet

Our auditors were P. M. Dowdall, G3YOB, RSARS 590 and L. W. Thompson G3VYZ, RSARS 173. I am sure that you will endorse my thanks to them for their efforts.

DEPOSIT ACCOUNT.

The Interest shown on our statement of Account is for the period 1 July 1972 to 31 December 1972. As the accounts were closed on 14 June 1973 the interest for the period 1 January 1973 to 30 June 1973 was not available and will appear on the next Balance Sheet.

PROPERTY.

Property purchased this year was as follows : Two Second-hand items of Test Equipment, a HAM-M Rotator, a Mustang 3-element Beam and a Second-hand Rex Rotary Duplicator. This last item has been in constant use by the General Secretary and should improve our 'communications' considerably.

HQ MAINTENANCE

The main expense on this account has been the overhaul by Heathkit of all the Heathkit equipment (HF and VHF) held by the Society, at a cost of £47 38p.

SOCIETY MAINTENANCE.

This account covers postage, insurance and various day-to-day running expenses of the Society and remains fairly constant, any increase being due to rising prices and postage.

AWARDS.

Our Awards Manager, Ray Webb, has been busy in this direction and has made a number of improvements in this service.

SPECIAL EVENTS.

This account covers such things as the A.G.M. and any other event which involves the Society in expenditure not normally incurred. This account remains reasonably constant. A minor account.

MERCURY.

The cost of producing "Mercury" remains reasonably constant.

STOCK AND SALES.

When present stocks are exhausted it is expected that the price of items sold to members will have to increase - by how much is not known at the moment, but you can rely upon your Council to keep these price rises to a minimum.

SUPSCRIPTIONS.

I see no reason to increase subscriptions as long as our members support the Society. It is hard enough to prise 50p out of a lot of members - I shudder to think what it would be like if the subscriptions were increased!



G. TITCHMARSH  
TREASURER  
R.S.A.R.S.

STATEMENT OF ACCOUNT AS AT 14 JUNE 1973

BALANCE SHEET AS AT:-

| 30 JUNE 1972    |                 | 14 JUNE 1973    |
|-----------------|-----------------|-----------------|
| 29 58           | CASH IN HAND    | 7 13            |
| 138 37          | CASH AT BANK    | 327 67          |
| 684 74          | DEPOSIT ACCOUNT | 710 86          |
| 962 39          | PROPERTY        | 1103 41         |
| 152 19          | STOCK           | 70 06           |
| <u>£1967 27</u> |                 | <u>£2210 13</u> |

GENERAL PURPOSE FUND

EXPENDITURE/LOSSES

INCOME/GAINS

|                                      |                |                          |                |
|--------------------------------------|----------------|--------------------------|----------------|
| PROPERTY PURCHASES                   | 207 00         | PROFIT ON SALES (GROSS)  | 83 97          |
| PROPERTY DEPRECIATION/<br>WRITE OFF  | 125 98         | DEPOSIT ACCOUNT INTEREST | 17 12          |
| HQ MAINTAINANCE                      | 60 39          | CORPS GRANT              | 100 00         |
| SOCIETY MAINTAINANCE                 | 64 84          | SUBSCRIPTIONS            | 293 87         |
| AWARDS                               | 25 40          | DONATIONS                | 34 01          |
| SPECIAL EVENTS                       | 9 77           | PROPERTY TO ACCOUNT      | 60 00          |
| MERCURY                              | 30 00          | VALUE OF NEW PROPERTY    | 207 00         |
| SUNDRIES                             | 29 73          |                          |                |
| TOTAL                                | <u>£553 11</u> | TOTAL                    | <u>£795 97</u> |
| EXCESS OF INCOME OVER<br>EXPENDITURE | <u>£242 86</u> |                          |                |
|                                      | <u>£795 97</u> |                          | <u>£795 97</u> |

|                                       |                 |
|---------------------------------------|-----------------|
| BALANCE AS PER LAST BALANCE SHEET     | £1967 27        |
| ADD EXCESS OF INCOME OVER EXPENDITURE | <u>£ 242 86</u> |
| TOTAL ASSETS AS AT 14 JUNE 1973       | <u>£2210 13</u> |

PROFIT OF TRADING ACCOUNT: 9.4%

CERTIFIED THAT THE ABOVE IS A TRUE EXTRACT FROM THE AUDITED ACCOUNTS OF THE ROYAL SIGNALS AMATEUR RADIO SOCIETY.

SIGNED: *J Titchmarsh* TREASURER R.S.A.R.S.

SIGNED: *[Signature]* G3VYZ/RSARS 173, SOCIETY AUDITOR.

SIGNED: *[Signature]* G3YOB/RSARS 590, SOCIETY AUDITOR.

DATE : 26 JUNE 1973





## EXTRACTS FROM MEMBERS LETTERS

\*\*\*\*\*

S. HIBBERT, G2DWN, 102, YORK STREET, EDGELEY, STOCKPORT, CHESHIRE. ".....Sorry for delay with subs but have not yet fully recovered from a long illness which started in December 1972. The XYL is also sick..... I have not been able to get on the air for 8 months. I did switch on the rig the other day only to find that the TX/RX is suffering with a couple of busted 6LQ6s. I will have to see if Ted Heath will buy me a new pair!!!...". (Doubt if you will have much luck in that direction, Sid, but perhaps some of our members can help. How about it fellahs? - a couple of 6LQ6s to get Sid back on the Band? - Ed.).

J. MASON, VE3GUN, IMPERIAL COLLEGE FIELD STATION, SILWOOD PARK, SUNNINGHILL, ASCOT, BERKSSIRE, SL5 7PY. ".....There still seems to be some confusion about my address. It is now as above. My former address was 38 Gordon Road, Willowdale, Ontario, Canada. The Spring Mercury came from Blandford to Sunninghill via Canada ....." (Sorry about that, John, address card amended. Hope you enjoy your stay - Ed).

A.C. GRAHAM MBE, 11 WILDEEN, HARMONY HEIGHTS, LISBURN, COUNTY ANTRIM, BT27 4SG. ".....Am now in civvy street - please note the new address....." (Good luck with the change of suit, Alan.- Ed).

E.W. ASHLEY, G3OHJ/030, 33 HAZEL RISE, HORNBURCH, ESSEX, RM11 2AR. "....Please note that from 27/6/73 my future permanent home address will be as above.....".

J. LAWRENCE, G3PQY/774, 2A HALL ROAD, COTTINGHAM ROAD, HULL, YORKSHIRE. "..... My new address is now as shown above.....".

J. RAYMENT, G3XAV/116, 35 (SM) SIGNAL REGIMENT (V), STOREY LANE, SPARKBROOK, BIRMINGHAM, B12 8AT. ".....Am now back in the UK at the above address....."

M. WEBB, G3OOQ/685, 14 TOWNSEND ROAD, TIDDINGTON, STRATFORD UPON AVON, WARICKS. "....I hold in trust a copy of the "Handbook of Technical Instruction for Wireless Telegraphists" by Hawkhead and Dowsett, Wireless Press, 1915. I can supply photocopies of any part at cost. Several references have been made to this book in "Mercury" in the past. I regret that I cannot lose possession of the book, or have to pay for the photocopies myself!!....." (Tnx, Mike for the info. - Ed).

C.H. MUNDAY, CLUB COLOUR HOUSE, 7 IRVING STREET, LEICESTER SQUARE, LONDON, WC2H 7AT. ".....We confirm that we have placed in hand your valued order for 50 ties in the design of the Royal Signals Amateur Radio Society and these will be in the wider and longer shape of 52" x 3½"..... .....We have impressed upon the mill that your order is required urgently and we feel that they will co-operate..".(Members will realise that the price of ties will be slightly higher than previously, but, as you will see, you are getting slightly more tie for your money - Ed.).

A.W. HUNTER, G3JVD/190, 28 CEDAR GROVE, REDCAR-BY-SEA, YORKSHIRE. ".....,Have not been on our Nets for some considerable time, mostly due to personal problems..... .... I am keeping my fingers crossed that I may yet get mobile again in the near future. I have applied for a car under the Disabled Scheme for both myself and the XYL. Fortunately, I still have a full driving licence..... .....I am hoping to get on the Net some night in the near future to be able to say Hello to some of our mutual friends..... ....Have not made many new contacts of late but my score stands at nearly 300 members worked. I missed out for two years when I had problems with this leg and was in and out of hospital...." (Look forward to hearing you /M soon then, Wilf? Drop into the Net when you can, you would be a new one for a lot of people - Ed.).

LIEUT COL B.C. COMPLIN, RSARS 219, PROCUREMENT EXECUTIVE, E.Q.A.D., "AQUILA", GOLF ROAD, BROMLEY, KENT, BR1 2JB. ".....would you please note in the next issue of "Mercury" that I have been allocated the call-sign G4CHT....." (Congratulations and hope that you can join the members on one or more of the RSARS Nets - Ed.).

From : Iain Scott, 49 Cherry Garden Lane, Newport, Essex, C11 3QB ".....As you know I have been out of the Service for 27 years and am now Technical Sales Manager in one of the Industrial Divisions of The Every Ready Company, selling rechargeable Nickel Cadmium cells and batteries...." ".....I have just got myself established in the new QTH (above - Ed.) and am still busy sorting things out. One of the last things, I am afraid, is likely to be the G3SYW rig, I am due for a new move soon, and, as I do a lot of driving, I may fix the rig in the car....."

From : Stan Aspinall, G3VSA/292, 13 Lownorth Road, Manchester, M22 6JY. ".....I would like to add a little fuel to the fire of the CW controversy which has been taking place in the Spring and Summer editions of "Mercury". May I point out to all concerned that "PROCEDURES FOR AIR NAVIGATION SERVICES, Document 8400/3 ICAO ABBREVIATIONS AND CODES Third Edition 1971" which lists the 'Q' Codes to be used by services within the Civil Aviation on a world-wide basis show the following :-

QNE : What indication will my altimeter give on landing at.....?  
(CW Net suggestion : Entire Net Stand-by).

QNH : Altimeter sub-scale setting. (CW Net suggestion : Your Net frequency is too high).

QNI : Turbulence between heights..... feet and ..... feet. (CW Net suggestion : (Net stations Report in)).

QNO : I am not equipped to give the information required. (CW Net suggestion : ..... is leaving the Net).

QNT : Maximum speed of the surface wind at..... (CW Net suggestion : ..... is leaving the Net temporarily).

It may have escaped someone's attention, but 80 Metres is NOT an exclusive amateur band, and is shared by many services, including the civil aircraft of certain administrations within the ICAO. With this in mind may I suggest, nay, implore, that RSARS CW Nets stick to established meanings for the 'Q' Code symbols they use in the Nets, rather than possibly have the very heavy responsibility of an air tragedy laid at their door. In bad weather or emergency conditions in the air, especially at night (when 80 is at its DX best!) it would be so easy for an airborne operator trying to find his ground control channel to pick up a burst or two of weak CW from a Net in the UK and MISINTERPRET THE SIGNALS RECEIVED with fatal results.

So it may never happen, but are the Society, as a responsible body, prepared to take the chance? Stick to established procedure, and if a signal doesn't exist within that procedure DON'T INVENT ONE. You never know who is listening!!

(Stan's letter, of course, makes a lot of sense, and the Society must bear in mind the very important points raised. Net Controls, and Deputy Net Controls must AT ALL TIMES, use procedure which cannot be misinterpreted even to the extent of spelling out instructions when necessary rather than, as Stan remarks, accept the very heavy responsibility of possible consequences. - Ed.).

From : Roly Brade, G3VIR, 141, Roman Way, Hale Road, Farnham, Surrey. : "..... I wonder if it would be possible to ask some of our W/K/VE members to come on the air sometimes, or let us know when they are QRV. Maybe they could start up a W/VE Net on one of the RSARS HF frequencies....." (A good point, Roly, and a 'round-robin' has been sent direct to all Western Hemisphere members asking for suggestions for a couple of frequencies/times (one for a 'local' Net and one for a 'DX' Net). A similar project is envisaged for the 'Far Eastern' group of members. ~ Ed.).



From : 23998238 Cpl R.T. Morrison, 'A' Troop, 1 Squadron, 13 Signal Regiment, B.F.P.O. 40 : ".....I have been on the air now for about 4 months over here, but still only now and then. Hope to work a few of you soon with my KW2000A and a 18AVT/WB on the roof, 60 feet up.....". (Bob is now DA2YP although you may have met him as G3VZP or DL5YO. Look forward to meeting you around 3720 one evening. - Ed).

From : Tom Griffin, G3GUV, 164 Eggleston View, Branksome, Darlington, Co. Durham, DL3 9SJ. ".....Please note my change of address,....." (Tnx - Ed.).

From : Edgar Wagner, G3BID/RSARS 381, 5 Ferncroft Avenue, London, NW3, ".....I have read the article on the Band Plan in "Mercury" July 1973, where you ask for members comments, especially whether members want to see the Band Plan written into the licence, My view is that there is already quite enough written into the licence. Let us not complicate the licence further. I gather that most of those mentioned by G3CXE/RSARS 821 were Old Timers, two letter calls, etc., who did not abide by the Band Plan. In that case time will cure the problem by itself. I agree with you that the vast majority of UK amateurs stick to the "Gentlemans Agreement" although it is not enforceable by Law. I wonder whether such a vast majority of UK amateurs stick to the Speed Limits, which are enforceable by Law!

73 Edgar G3BID/RSARS 381.

From : K.G. King, RSARS 251, "Please note that as from September 3rd 1973 our address will be : Golden Lion, Holt, Wrexham, Denbighshire, Tel, : Farndon 411".

From ; Nick Henwood, G3RWF/RSARS 293, ".....Please could you note my change of address to : 135 Arnold Lane, Gedling, Notts. I am not active at the moment due to the many tasks involved in a new house but am gradually getting around to replacing my antenna, and I also hope to be active on 2 Metres in the near future".

From Edson B. Snow, W2UN/RSARS 676, 139 Edgeview Lane, Rochester, New York, 14618. ".....I retired from the US Army Signal Corps Reserve in 1966 after 30 years service with the rank of Colonel. I had six years of Active Duty during WW II, two years of it overseas in North Africa, Italy and Austria. I obtained my commission when I graduated from the Massachusetts Institute of Technology in 1936. I was on a British ship, the "Durban Castle" en route from Oran to Naples on the day that Rome fell, and the following day, which was D-Day, I was assigned to the Supply Section of HQ US Fifth Army spending the Summer of 1944 during the advance from Rome to the mountains above Florence. In September 1944 I was transferred to HQ AAI (Allied Armies in Italy) commanded by General (later Field Marshall) Lord Alexander. I was immediately assigned to the Signal Supply Officer (US) in the L of C, Italy, a Royal Signals unit commanded by a Canadian Brigadier and responsible for the construction and reconstruction of the main State Italian underground cable and long distance telephone and telegraph networks. We were a small group of three US Signal Corps officers, about six from Royal Signals, plus the Brigadier, plus a few GIs and British ORs. Our Wire Officers planned the work, whilst my British opposite number and I obtained the needed supplies and arranged for their issue to the Construction Battalions, whether they were US, British, South African, US Air Force, etc. We also kept an Account - presumably for Lend Lease reckoning after the War!! When HQ AAI became US 15th Army Group under General Mark Clark, our L of C Group was put under control of AFHQ at Caserta. I stayed with this group until VE-Day in June 1945 when I rejoined 15 AG which became US Forces Austria, and I was Signal Supply Officer for General Mark Clarke's Headquarters in Vienna. Incidentally, I was a Major during the time I served with Royal Signals.... .....My civilian job was in the Purchasing Department of Eastman Kodak here in Rochester, New York. Our Company arranges Charter Flights for its employees all over the world so when I took an early retirement in May 1970 I took a 3 week trip to England, Scotland and Eire and my wife and I had a delightful time.....". (Hope you can arrange another trip Ed, you now have lots of fellow members to meet! - Ed.).

From : John Neville, WA6CEB/RSARS 557, P.O. Box 1698, Altadena, California, 91001. "...We are now back at the 'salt mines' after our trip to England. Maybe another 2½ years hitch and I hope to call it quits, but I do not know about settling back there, after taking a look at the real estate prices!!!.... ....I was surprised to learn we had so many Stateside members. My nearest member would be Bill G8KL/W6 400 miles North of me, all the others are about 3,000 miles East of me, so 40 and 80 Metre operation from here would be a bit hit and miss. Now 20 is a different kettle of fish, I have been getting through to the UK on quite a few Sundays around 1830 - 1930 GMT on the Ex-G Net on 14.346 MHz so maybe we can stick with 14.275 MHz around the same time on Sundays? 15 Metres has been poor of late....."

No letter this time, but returned mail. Apparently, H. M. Billard, VE8CB/RSARS 708 is no longer at P.O. Box 1397, Inuvik, North West Territories, Canada, mail having been returned marked "Moved, Address Unknown" If you happen to hear where VE8CB is now, don't forget to let HQ know. Tnx.

From : L.J. Dicker G3VYT/RSARS 892, No. 76 Richmond Caravan Park, Reeth Road, Richmond, Yorkshire. ".....to let you know my change of address to that shown above. Please convey my best 73 to all the lads including Stan, 3DSS, if he's around.... ....I am obtaining a DX 40 shortly and I should like to get hold of a small suitable receiver to use with it.... ....I am a keen CW fanatic! If you hear of a RX going cheap I would appreciate any info. Also as I expect to have a bit of spare time on my hands in the near future, constructional type pictorial booklets would be appreciated...." (Les is now recovering from a rather long and trying illness, but, we are happy to say, is now apparently making good progress. Any help that members can give Les will be very much appreciated by HQ - Ed.).

From : Bill May, W3RX/RSARS 649, 9312 E. Parkhill Drive, Bethesda, Maryland, 20014. ".....If you have anything for me get word to Roger Baines or Bill Brady (G5AFA-Ed.). I meet Bill at 1300, or 1400, or 1500, or 1600 on 14240. Nothing for ages from Ray Webb or Roger Brown who used to run the Commonwealth Net. Where is Ray Vasper?. Where is Dennis Bowden? I have lost touch with the old friends, particularly Dennis. Where is Derek Leese?....." (They are still around, Bill, and I hope that this will encourage them to put pen to paper and fill the mail box at 9312! - Ed.).

From ; Jim Maddox, G3JBA/RSARS 749, 13 Cecil Aldin Drive, Tilehurst, Reading, RG3 6YP. ".....CW seems to be getting terribly thin on the ground, Jack, perhaps a corner in "Mercury" could be given over to members operating habits; activity periods; or their regular skeds with friends - so that we could call in to say 'Hello'. Or maybe we could have an activity period on, say, Sunday mornings on 3575 or near between 1100 - 1300 local, These are only suggestions..... ....I wonder if any of the RSARS boys are using a Morse Keyboard yet?. They are beautiful to listen to and quite a few of the W boys romp along nicely well in excess of 50 wpm.....". (Quite happy to publish details of members regular operating times, Jim, if members will send them along. I see no reason why we should not have a CW get-together on a Sunday morning as well as on SSB, Cyril is usually on parade on Sunday around this time, and a CW Net might result in a mutual exchange of Net members. Don't know if the Chief Key-Basher (Chas G3XTL/G3SIG) can make Sunday mornings. Even if not, there is nothing to stop a Natter Net forming, so lets say Sundays, 1100 local, 3575 KHz and give it a whirl. As regards the Morse Keyboard W5VA (RSARS 650, now a Silent Key) used one back in 1966 and considered that they were first-class. - Ed.).

From : 24300171 Dvr Harrod M.J. Intake 374, 2 Troop, 'B' Sqdn., The Depot Regiment, RCT. Buller Barracks, Aldershot, Hants, GU11 2BX. ".....As you will see by the above address I have taken the "Queen's shilling" and signed on..... ....I hope if I pass RCB that I will be commissioned into Royal Signals. If I am not lucky at RCB I hope to transfer to Royal Signals for training as a Technician of some sort..... ....I have passed the RAE but still need the CW Test...." (Congrats on the RAE and wish you the same luck with the RCB, Mike. Good luck in the Service).

From : E.G. WHITE, GW3LAD/452, 41 St, Alban Avenue, Cardiff, CF4 4AS, ".....You invited comments on several topics in your July editorial. Here are my thoughts briefly.

BAND PLAN : CW to be exclusive to the lower segments as at present. I would be happy to see this written into the license. Rest of Band to be shared. In practice this allows 'phone users to switch to CW (when communication is tough) without needing to change frequency. The habitual CW users (being inherently better operators) would tend to remain in their exclusive segments! Only for cross-mode contacts would they be likely, to enter the upper segments.

SPORADIC 'E' - PHOOEY. This was an interesting and clearly written article by G5VO. I have not worked any VHF DX yet and have no experience of this phenomenon. However, my son read the article whilst up from Kent for a short visit. He remarked that when he is able to receive FM programmes from Germany, the freak DX arrives from places in a straight line, e.g. Aachen and Cologne, which seems to back the 'mirror' theory.

RTTY. I would be glad to see readable articles on the subject but wonder how much space the equipment requires. Also I would be nervous about creating 'orrible noises - including the gnashing of teeth from local hams!....."

From : T.R. WEBSTER, RSARS 028, 15 Drummond Avenue Great Sutton, Cheshire, L66 4UP. ...."I have been thinking a long time about the possibilities of the Society getting into the Government Surplus Market, especially as regards Radio gear..... ....I work for the Manchester Ship Canal Company at a place called Stanlow, driving a 27' Ferryboat and also working on a telephone switchboard and with VHF Radio (Redifon 'Marinas')..... ....I don't know what has been said in "Mercury" re Ted, 089, and CW, but it seems someone has been trying to change the meaning of the 'Q' Code - sounds risky to me!. One thing I always used to use was ET for 'and'. Always seemed logical to me. Logical - sounds like Mr Spock!.. For those interested, I am ex Royal Signals, 19001106, 3 Brigade, 1st Infantry Division, MELF, also 23827262 with AER....". (As regards Government Surplus, this could be a very big project and needs careful consideration. However, enquiries are being made and details will appear in "Mercury" if this is felt to be a worthwhile project. Regarding the 'Q' Code - see Stan's letter above. Thanks for the letter, Tom. Ed.).

From : K.W.L. MORGAN RSARS 220, 10 Elm Drive, Hatfield, Herts, ".....Please also note my change of address. As I have got as far as writing to you, I thought a brief resume of my Signals Association might be in order. After Basic Training in Catterick in October 1950, I moved to 3 TR (Gallowgate Camp, Richmond) to be trained as an OWL. My next move was to HQ M.S.R. in Kuala Lumpur, Malaya and after a short time as a Radio Op in HQ I was transferred to, and spent the remainder of my time with, A.S.S.U. (Air Support Signals Unit) based still at HQ Malaya. Then followed 3½ years with 53 (W) Infantry Division TA, still brass pounding, as luck would have it. Then followed a period of QRT due to professional commitments. Then in 1963 I returned to 92nd Signal Regiment, Special Communications AER. On disbandment of the AER I found myself transferred to what is now 39th (City of London) Signal Regiment (V) and I am still able to have more than my fair share of "brass pounding" - a possible reason why I have not got my 'ticket' yet! I hope that this will be rectified very soon. It would be nice to think that if any of this resume got into print it could mean a reunion with some old comrades, particularly among 'The Virgin Soldiers'!...." (If you were around KL at the time drop a line to 220 at the above address - Ed.).

From : D. RANDS, RSARS 855, 42 Bishopsfield, Harlow, Essex, CM18 6UJ. ".....In response to your appeal for duplicate reference books, I have had a search around and found one on Transistors which I hope will be useful...." (Many thanks, Doug, your contribution is now included in the Library - Ed.).

From : G.W. ADAMS, G4AKN/884, 42 Orchard Avenue, Berkhamsted, Herts., HP4 3LG. ".....In answer to your "Mercury" request for detailed address this letter will show only Postal Code additional to address used. Two points I would like to raise. Reference has been made to CW Nets.

I find the 'Q' Code is not covered sufficiently to cover the phrases I hear. Where can one obtain a comprehensive glossary, please?. Even on what was called R Toc one hears symbol phrases to be guessed at.

I have also a bug about ATUs and have made several including the corrected Z-Match shown in "Mercury". All have tended to 'flap in the wind' capacity-wise at one end or the other. Length of aerial is a factor (100'), and I have an old 19 Set variometer which used to tune the Sherman's whip and serves fairly well but is so spidery in construction. Could members be prevailed to debate their experiences? There is no doubt TX success hangs on loading. I am not sending an SAE as I note RS letter mode (?). Text book approach rarely launches away from next to ideal circumstances. To do so creates a field of conjecture and surmise, therefore, scrubbed around, no doubt. So many of us are in that "field" and mayhap conditions sometimes concur?.

I did attempt a Noise Bridge to assess antenna impedance. It wasn't noisy! On reflection, what f would it represent?. Surely one needs to know the impedance at f engaged, i.e. TX frequency?

Finally, may I say the passing of years 'enhances' cogitation but not patience towards a goal. Trust the criticisms aimed in some letters is not too onerous. It comes from lack of consideration of how much work is involved in setting up. No essays have been offered from here because of "my day is relatively 'steam' and almost equally forgotten". Discussion, I believe, should continue where literature leaves off....." (Tnx, Gerald, for all the info. Your Noise Bridge problems we pass to any Noise Bridge Specialist Members and, perhaps, a member or two may like to drop you a line about ATUs -Ed.).

From ; Des Barry, G3ONU, in a letter headed "Somewhere between Wilton and London and return by courtesy of Her Majesty's Government and British Rail". ".....Well done, - the last copy of Mercury, No. 44, was, in my opinion, the best you have yet produced. Mind you, it was made even more interesting as my unnumbered Flash Sheets were stapled in the wrong order and in some cases the wrong way round. This leads me to suggest that for your next competition, why not send out loose, unnumbered, unsorted "Mercury" and Flash Sheets and give prizes to all those who send back copies of both correctly stapled. This would save you (and the Netheravon Nightingale) lots of time and would give an indication of the number of people who bother to read what is written. (A quick word of explanation here - The Netheravon Nightingale, alias G3EKL/046 got a mention as he was unfortunate enough to drop into HQ when the Flash Sheets were being assembled. I hasten to add that (mainly because he is bigger than me) he was in no way responsible for the few people receiving an up-side-down wrong-way-round copy of the Flash Sheets. This all came about due to constant reshuffling of the 11,000 sheets to try and arrange them in some sort of order to reduce the total mileage walked in collation below 25! - ED.)

It would also ensure that the really interested member would not retain "Mercury" and could not, therefore, write letters to you about the things that some members write about!

Now this would be a pity, because I am certain that "Mercury" exists for MEMBERS thoughts, words and deeds. Their articles, doings, opinions, letters, ads, wants, dislikes and likes, histories, etc. It should not contain material by non-members unless there is space to spare. Not that you can have any space to spare if you can produce 12 pages of Flash (22 with the 'Who's Paid' pages - Ed.) so why must we have the BASIC ELECTRICITY? I cannot agree with Bill (340) that "Mercury" should cater for the newcomer. Take a look at our membership requirements. You will note that the common bond between us all is Amateur Radio and connections with the Army. If we meet these requirements then I submit we are past the Basics stage, and even if a few of us are not, I do not believe that "Mercury" should contain anything that can easily be obtained elsewhere. The Public Library have plenty of good books on Basics and they can be borrowed free of charge. Of course, it's a healthy sign that you get a lot of "stirring type" correspondence, Jack, and you can never please all members with the contents of "Mercury", but I really do believe that it should be FOR THE MEMBERS, BY THE MEMBERS unless all else fails. Of course, you might ask members, once again, what they want, a simple tick type questionnaire which could be returned via G3HSE ( increasing the QSL return at the same time! ) or direct to you. But I am willing to bet that you

wouldn't get more than a 25% return from the membership, so why bother? Talking of G3HSE (and doesn't Dave do a good job as QSL Bureau Manager?) leads me to note that yet again the old question of the necessity of QSLs for Awards is raised in the last "Mercury". Well, Jack, if one member can make a mistake on the actual number of QSOs he has had, then that is reason enough to retain the rule. Of course, it's not easy to get the QSLs - patience, not money, is required, and I suggest that in the long run the more difficult it is to attain, the more valuable the Award will be, and I am strongly against devaluing our Awards. Why, someone might even suggest deleting the CW requirement from the Special Award! (All those in favour write to me - not to 046!).

I think that G5VO's article on Sporadic 'E' was the best thing in "Mercury" for a long time. What about a cheap and cheerful AM/CW TX for 2 Metres for us who want to get on 2 cheaply. Don't tell me I can get it from the Public Library please - I want a member to tell me how he did it.

73 076 G3ONU.

P.S. I still haven't got that old GPO type brass Morse key!!

(Thanks for another Epistle according to 076. The Basic Electricity appears (by kind permission of the Commandant, Training Brigade) in response to requests from members. We aim to please the majority and if only one member asks for a certain type of article, he is the majority until someone else writes and says we shouldn't have it. We now have this position of "Evans-Stevens" so we revert to a First Come-First Served basis. If luck is with me, by the time we get all the letters in both for and against, the series should be finished.

By the Members, For the Members is, of course, a very worthy cause. However, although For the Members presents no problems, By the Members often does. A request has been made for articles on RTTY. A first-class article is at hand, written by a member but previously published in a National Radio magazine. To Print or not to Print - that is the question to amend a phrase from a well-known non-member. Similarly the Public Libraries have, or can get, almost any textbook on Radio and certainly those which cover any possible future articles in "Mercury". What is the answer?, - I leave this to the 25% of the membership who, it is hoped, will write and tell me what they would like to see in "Mercury" and, perhaps more important, what they are prepared to write about for "Mercury". One final observation on the above letter - what the heck does G3ONU want with a CW TX? - Ed.).

From : Bill Doe, G3XRY/RSARS 734, 48 Jenningtree Road, Erith, Kent. ".....Perhaps you may manage to insert a few words in "Mercury" re the 5% Discount to all members of the RSARS offered by K.W. Electronics, and, of course, the fact that we shall be happy at all times to see any of them if they find themselves in the K.W. Electronics area....." (Tnx, Bill, for the reminder and very happy to pass on the info to all members. K.W. Electronics offer a wide range of 'goodies' for the radio amateur (see details elsewhere). Please quote your membership number when ordering from KW. It is hoped to forward an up-to-date membership list to KW in the near future to ensure that this concession is not abused. Remember, if you are buying, for instance, KW202 and KE204 (Basic Units) this could save you as much as £15 or more. Worth thinking about. Please deal direct with KW Electronics and NOT via HQ).

From : J.A. Batchelor, RSARS 647, 28 Asket Walk, Seacroft, Leeds, LS14 1JE. ".....I was interested to see the comment by G8LT/290 as I have been copying Robin and G6JF on RTTY for over 2 years now and have regular letters both ways. I would also like to see more Gs active on RTTY and see a Net started in this mode. I can take 45.5 or 50 Bauds at any shift at the flick of a switch, so count me in!..... I could do with a good circuit for a 170 c/s shift filter. Haven't had any success here as I lose the 'Q' of the coils which makes it very lossy..... I also want to make a skeleton clock (Jim has a complete Workshop - Ed.), we have 23 clocks in the house but no skeleton, so I shall make one, which should be interesting. On the radio side, the HE-80 RX could do with a couple of new valves and re-alignment. Will then chase RSARS Awards. Would also like to see some 'gen' on SSTV which would give another mode of reception at this QTH.....(Trust that all 23 clocks are not the striking type, Jim, otherwise the QRM must be rough four times an hour!!!

- Ed.)

A long letter from Nobby, G3VUC/RSARS 719, tells us that he now spends about 18 hours a day lying on his back due to disability. He apologises to the Net for his absence but is still very interested in radio (and very cheerful, by the tone of his letter). If you hear Robby, why not make a special effort to give him a shout?.

From : W.E.F. Corsham, G2UV/RSARS 330, 143 Abbotts Drive, Wembley, Middlesex, HA0 3SH. ".....Not been too good the last two years but at 73 can't grumble and am now picking up again. Was starting work in my loft - which is a terrific junk heap containing quite a lot of veteran equipment which I have promised to the New Amateur Museum, but back trouble has prevented me from getting up there! I recently found a packet of about 30 films taken during my training at the two R.E. (Signal Section) Depots at Bedford and Fenny Stratford during 1917/18. I was too young then to go overseas, but being, as it were, a trained P.O. operator on Sounders, etc., I was employed chiefly in the HQ Signal Office on land-line work. Getting fed up with this and, even then, having the Radio Bug, I was able to transfer to the W/T Section at Fenny Stratford - not without considerable trouble for I was also instructing on Morse at the local Signal School and the Powers-that-be took a poor view of the transfer....."

".....I have been a "Photo-Ham" since 1909 (when I joined the Boy Scouts Hi!) and there was apparently no objection to me using a camera in my training days. I used to develop and print them under a blanket in the billet....."

".....I did find some developer, paper and fixing salts (all 6 years old) the other day, So I dug out my old equipment, only to find the condenser was missing, so I rigged up a hasty diffusing system to light the films....."

".....Well, I am enjoying life on 80 Metres at present - still Home Brew - using roughly 100 Watts and this year, (except for a few overseas contacts), looking up old friends and making a few new ones. Met one old friend I hadn't heard for 50 years....."

".....I do agree with the Band Plan - it helps to keep order in the chaos. I keep an Xtal frequency in the 'phone end and QSY if the other fellow wants a phone QSO....."

Best 73 to all

Bill Corsham

Two Uncle Vic.

(Many members will know Bill, but for those who don't Bill has been a radio enthusiast for 60 years, he was a prize winner in the first successful Trans-Atlantic Tests in 1922, a member of the Founding Committee of the RSGB in 1923, the Founder Secretary of the London Members Luncheon Club (1950), and he issued the first authentic QSL cards in Europe. The photos (which, unfortunately, we cannot reproduce here) shows typical training scenes in WWI including a very smart bed-pack complete with boots (complete with 13 studs?). These will be used on a "Photo-Board" to be constructed at HQ for display at various events. If YOU have any photos to spare of amateur radio interest, please send them along to HQ with details lightly pencilled on the back. Shacks, antennas, personalities, etc., - anything of interest will be welcome. - Ed.)

From : Dave Bower, RSARS 631, 36 Norwich Drive, Brighton, BN2 4LE. ".....I am pleased to inform you that I succeeded in passing the RAE at the first attempt, and am now pressing on with the CW in order to get a G4+3. I shall be taking the Morse Test towards the end of October....." ".....I already have the TX - I bought it in January to beat the dreaded VAT!. RX is a Yaesu FR50B and the TX is an FL50T. 50 Watts PEP - it won't actually bend the ether but what's a few S-points between friends!!....." (Congratulations, Dave, we'll be looking for that call in the New Year - Ed.).

From: Des Barry, G3ONU. ".....Just to let you know that the WILTON WARBLER has died, and will be reincarnated as the BUSHEY BURBLER - hopefully in the Autumn, dependent upon 126' of space being available....." (For the uninitiated, due to a VFO problem Des became known' as the Wilton Warbler which stuck long after the fault had been cleared. We hope that the fault does not QSY to Bushey with him!).

From : Robin Bellerby. G3ZYE/RSARS 944, 19 Great Fellingfield, Mary Tavy, Tavistock, Devon. ".....Please note my change of address. I am now head of Science at Kelly College, Tavistock....."

### ODDS & ENDS.

GB2GB, the Special Event Station aboard the S.S. Great Britain (which was salvaged from the Falkland Islands and is now in dock at Bristol) recently had a 'VP8 Grand Slam' when it took part in a Net consisting of 15 VP8 stations (out of a total of only 18 VP8s). A regular VP8 Net is held every Saturday evening at 20:20 hours on 14.127 MHz. The Net is open to all-comers after normal Net business is concluded.

G6RC and 9M2DQ have a sked every morning at 10:00Z on 21.355, sometimes moving to 28.270/280. Why not join them?

G3AMR, Gordon, should be appearing as VP7BA from 22/23 Nov 73 until about 8 Feb 74. He will be operating 80, 20 and 15 and will have skeds with G5BM.

The "Flying Kiwi", ZL1AKI/AM, is apparently doing a world trip and looking for contacts. Usually operates around 14.160 and 21.400 MHz.

Looking for some unusual ones?? The Geoff Watts News Sheet tells us of the following : IA5ALL, Elba Island, QSL via P.O. Box 133, Savona. OR4ES, Belgian Scientific Expedition (no QTH given, but prefix indicates Antarctica - Ed.), QSL to ON4VL. TA2BK/1, July 20th - 25th operation only QSL to DJ0UJ. VS9RAF, operating from RAF Exhibition (!?! ) on Gan Island. 6E1EEI is normally XE1EEI but operator will change to 6E1EEI for the benefit of WPX hunters etc.,

NEWS is always wanted for "Mercury" and PHOTOS are always wanted for HQ. It is hoped to provide a "Photo-Board" for use at events and displays. If YOU have any spare photos of amateur radio interest (both ancient and modern) please send them along to HQ Tnx.

NEW SUPPLIES AT HQ - A further batch of RSARS QSLs have now been received from the printer and are now being used for overprinted QSLs. Prices as per attached Order form. WINDSCREEN STICKERS ARE NOW IN. Front adhesive, in Light Blue, Dark Blue and Green with Black lettering. 23 Pence each including Post and Packing. Limited number only available.

SEND YOUR ORDER IN NOW!. And don't forget the Dymo Lapel Badge. These have proved quite popular and could be the answer to your Christmas present problem!!!

A last minute letter from Maurice, VS5MC mentions that conditions into Europe have been excellent (early September - Ed.). The rainy season has turned the garden into something resembling a paddy field so the ZL-Special isn't up yet. Maurice is still using the 20 Metre Dipole ("which towers up to a height of 12 feet at the feed point and then droops down to the fence"). Life is not without it's problems, even in Brunei, and Maurice mentions a recent incident when he had to visit the Royal Istana (Palace) to retrieve a radio set and, on bending down to pick up the set, the seam of his trousers proved to be weaker than the muscular effort involved. Bearing in mind that one never turns ones back on the Sultan, Maurice made a hasty rearward retreat, one hand clutching the set and one clutching the sent of his pants!!.

ODD END - An overseas member reports to HQ that he is troubled with TVI. Nothing unusual in that. The country he is in doesn't have a TV service!

News contained in a letter just received from Dady, VU2MD/RSARS 767 includes the fact that he has now returned to Bombay after his trip to the UK and is busy getting up a new G5RV. He asks all members to look for him daily between 1200 and 1330Z and again after 1700Z on 14.050 MHz. After establishing contact Dady will be happy to QSY to 40 or 80 but reminds us that the VU 80 Metre Band is 3650-3700 and 3890-3900. VU2MD is looking for 5BDXCC but the 80 Metre allocation makes things difficult. He was happy to see so many members at the AGM and passes on his best 73 to all members.

A TELEPHONE CALL RECEIVED AT HQ POINTS OUT THAT THE USE OF 'HOME-MADE' CODES ON THE AMATEUR BANDS COULD BE CONSTRUED TO BE IN CONTRAVENTION OF THE LICENCE TERMS AS WELL AS BEING CAPABLE OF MIS-INTERPRETATION. STICK TO THE RECOGNISED CODES AND BE SAFE - NOT SORRY!

HAS YOUR NUMBER COME UP (in the following list).

As at 1st August 1973 Postal Codes are not held at HQ for the following membership numbers or require confirmation. Despite the "sticky labels" on the envelope in which the last "Mercury" was despatched only a few members have bothered to report any errors or new Post Codes in their addresses. Whilst it is appreciated that not all members have been lucky (?) enough to have been given a Post Code, if your number appears below and you now have one, or your address has been wrong on past copies of "Mercury", please let HQ know. A postcard or envelope with just the correct address on the back will suffice. No need to write a letter. It is hoped to get the HQ Address system "computerised" very shortly and we would like to start off on the right foot with as many correct addresses as possible. Please check the list below :

001 002 003 004 005 006 007 008 009 010 011 012 013 016 017 019 020 021 022 024 026 027  
029 032 033 034 035 037 038 040 041 043 044 045 047 048 049 050 051 052 053 054 056 058  
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601 602 603 604 608 610 615 619 623 624 626 630 632 634 637 638 639 641 642 644 646 648  
654 656 659 662 663 664 665 667 668 669 670 671 680 681 682 685 686 689 690 692 695 699

700 703 704 705 706 712 713 715 716 717 729 731 732 734 737 739 744 746 747 750 751 757  
759 763 764 766 768 769 770 771 772 774 775 777 778 781 783 785 786 787 789 795 796

800 804 805 808 811 815 816 819 820 826 829 830 835 841 845 846 850 851 853 854 856 858  
861 862 865 866 867 868 870 872 873 874 878 880 883 889 892 893 894 895 896 898 899

902 904 906 907 908 909 911 912 913 916 917 920 924 927 932 934 935 937 944 945 946 948  
949 950 952 956 957 958 959 960

If you have written to HQ giving your correct address and/or Postal Code since 1st August, please ignore your number in the above list. If we do not hear from you we will assume a) that the address and Postal Code shown on the last "Mercury" envelope is still correct, or b) that your address is correct and no Postal Code has yet been issued.

P.S. The Postal Code for Headquarters is : DT11 8RH.



# ANNUAL FEES ARE DUE 1st JAN

PAY NOW-SWEAR LATER  
(WHY NOT FILL IN THE BANKERS ORDER FORM)



## MORE NOTES, NEWS, NODDS N NENDS.

A long letter from John, VS6DB passes along various bits of news from the Hong Kong area. In reply to a query about a RSARS Far East Net, John suggests 14,175 MHz at 1300Z as this is then a logical follow-on from the SEA-NET which meets at 1200Z. He mentions Wednesday but would like to see Tuesdays as well - then he can get both the home and the Club stations on. The Club (VS6AC) now has some teleprinter equipment and is ready to go on 45.5 Bauds at 170 Hz shift. John sums up as follows:

VS6AC Tuesdays 1230 GMT 14090 KHz RTTY  
VS6AC Tuesdays 1300 GMT 14175 KHz SSB  
VS6DB Wednesday 1300 GMT 14175 KHz SSB

A new antenna (a 14AVQ) is in the offing at DB which, it is hoped, will give better signals into G-land. VS6AC is taking part in the Scout Jamboree-on-the-Air again this year using the call-sign VS6AJ. Also VS6 Activity Days are November 17th/18th from 1100 GMT to 1100 GMT. One advantage of this Activity Day is that it allows stations to qualify for the Hong Kong Firecracker Award - a very nice parchment. John enclosed the latest detail amendments for this Award (reproduced below) together with a copy of "OHM" (Oriental Ham Magazine). Full of good articles and pictures. If you would like to get on the regular mailing list, drop a line to Ohm Magazine, P.O. Box 16321, Hong Kong. (Tnx John). HONG KONG FIRECRACKER AWARD. 1) Available to all amateurs and SWLs world-wide. 2) Claims may be made within the following categories, CW Only, CW/Phone, or Phone Only. Award will be endorsed accordingly. 3) Following different VS6 contacts required: Zones 18, 19, 24, 25, 26, 27 and 28 require 10 contacts, All other Zones require 6 contacts. 4) Contacts may be on any authorised amateur band. 5) All contacts must be on or after 1st January 1964. 6) Contacts made during contests are eligible. 7) QSL cards must be held for the contacts but need not be sent. A Log extract, certified by a National Radio Club or Society, is OK. Details required are Date, Time, Band, Mode, both Signal Reports, R3 and T8 minimum. 8) Cost: 10 IRCs - no Postal Orders, Stamps or Cash. 9) Claims to QSL Manager, HARTS, P.O. Box 541, Hong Kong.

#### LATE ITEMS.

Angus, G8PG/GW8PG, sends along a short letter together with details of the QRP Contest. EVEN IF YOU ARE QRO - READ ON!. Angus says ".....This is a Contest run by hams for hams - the organisers even pay all their own postage, printing, etc.....and we want to see the Old QRP King, Johnnie Hodgkins, G3EJF, show up in the next Contest.....". The enclosed broadsheet gives the following information. AGCW/DL QRP CONTEST ENTRIES UP 60%. U.K. CONTEST MAGAGER APPOINTED. QRO STATIONS MAY NOW EARN RECOGNITION FOR TAKING PART. In the last Contest entries were up by 60% compared with last January, logs being received from 10 European countries and 3 US Call areas. Overall winner was OH2BOR with 11,571 points. Leading G entries were G8PG (11th), G3DNF (19th - a fine effort with 2 Watts on 14 MHz only) (G3DNF is RSARS 185 - Congratulations OM - Ed.) and G4BVS (21st). The next Contest will be held on January 12th and 13th 1974 and the rules appear below. They have been revised to contain a section for the QRO stations to compete amongst themselves to see who can work the most QRP stations. To simplify U.K. entries Gus Taylor G8PG (RSARS 026) has been appointed U.K. Contest Manager and he will handle all U.K. logs. The success of the Summer Contest is further proof of the current boom in QRP working on both sides of the Atlantic. RULES FOR AGCW/DL WINTER QRP CONTEST 1974. Dates : 1800 GMT 12th January to 1500 GMT 13th January 1974. Operating time : 15 hours maximum. The six hour break to be in not more than two periods. QRP Entries : Single Operator. Under 10 Watts. CW Only. Bands : 3·5, 7·0, 14·0 and either 1·8 or 21·0 MHz. Contest Calling : "CQ QRP CONTEST". Scoring exchanges : RST, Serial Number, Power, e.g. "579001/3". Add 'X' if using crystal control. Scoring : Own country = 1, own continent = 2, another continent = 3. Add 3 if the other station is QRP. Handicap Bonus : Under 3 Watts or Crystal control at either station counts as one handicap. For one handicap multiply QSO score by 2; for two handicaps multiply by 3; for three handicaps multiply by 4 (Three handicaps is the maximum allowed). Multipliers ; each country in own continent = 1, in another continent = 2, for each band. DXCC listing BUT each JA, PY, VE, W or ZS call area counts as a country. Contacts with any other station all count. Entries : U.K. entries to G8PG, 37 Pickerill Road, Greasby, Wirral, Cheshire by 7th February 1974. Enclose an SAE for your copy of results. Overseas entries to DJ7ST by 15th February 1974 with IRC for results. QRO Entries : Times, etc., as for QRP. Scoring exchanges , RST, Serial Number and /QRO. Contacts with QRP stations only. For each contact the QRO station awards himself the same points as earned by the CW station worked. Band/Country multiplier applies. Logs as for QRP entrants. NOTE! - The DJ7ST QTH shown in the current call-book is now incorrect. His new QTH is :- H. Weber, DJ7ST, 3201 Holle, Kleine Ohe, 5, Federal German Republic. (For 3201 in above address, read D-3201 -Ed.) HOW ABOUT GIVING A LITTLE SUPPORT TO THOSE RSARS MEMBERS WHO HAVE TAKEN PART IN PREVIOUS QRP CONTESTS - EVEN IF AS A QRO CONTESTANT. All comments, queries, etc., to Angus who will be happy to encourage you still further!!.

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On the last Sunday in each month, Stan, G2DPY, has a sked with Ernie, WA8TGA on 14·065 MHz at 2100 GMT in September and 2000 GMT in October and throughout the Winter.

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CODE WINNERS: RSARS 651 drew them out of the hat as follows :

Winter Edition : DURING 1973 A CONTRIBUTION TO "MERURY WILL BE VERY WELCOME

50p Vouchers to : G3RHN/RSARS 894 and BRS 24814/RSARS 855.,

Spring Edition : HAVE YZU PAID YOUR SUB FOR THIS YEAR YET.

50p Vouchers to : GW3LAD/RSARS 452 and G3UAA/RSARS 454.

The errors were intentional!!!. Congratulations to the winners and many thanks to all those who sent in answers.

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From : Harry Stickley, VQ9HCS, Astove Island, c/o Kenya Shipping Agency, P.O. Box 84831, Mombassa, Kenya. ".....I will be off to Astove flying from London on 23rd (August - Ed.). The ship should be leaving Mombassa at the end of the month or early next. Should be OK for gear this time but my diesel genny will not get to me for some months yet so will have to rely on the old 300 and 800 Watt Hondas which means not much use of the Linear..... .....Expect to be on Astove at least a year with my same call-sign VQ9HCS, then I hope to return to Aldabra after a leave in the UK..... .....Left the Service in 1971 and went straight to Aldabra Island (second term), got my VQ9 licence in time for the last 6/7 months and am now going to manage Astove for the owner, Mrs. Veevers-corter (read "Island Home") and hope to return to Aldabra although this is not definite yet. Am using the KW 2000 B with a linear (when I get the new genny) which will be a Petters 1½ KVA diesel. I am using an 18AVT vertical and hope to have the Mustang with TR44 rotator if it gets there in time from Western Electronics... .....My QSL Manager is still Bill, WA1HAA. 73 Harry.

From : B. J. Clark, 107 Eastland Road, Yeovil, Somerset, BA21 4EY. ".....Regarding the Band Planning please record that I support that the Band Plan be written into the licence. I do think that the 'phone stations should stay out of the CW portions. I do not operate 'Phone in the CW portions (As a TOPS member this is forbidden). I have written to the RSGB regarding the A3 stations in the 3·5/3·6 MHz section, but my few lines apparently "fell on stony ground", in fact I received no acknowledgement which I understand is normal nowadays!!!. What annoys me is that these A3 stations in the CW section of 80 are all OTs (See letter from G3BID - Ed.). Operators who should know better and be setting an example to others. Secondly, most, if not all, are RSGB members and we are led to believe that the RSGB supports the Band Plan, As I see it unless TOPS, FOC, RSARS, RNARS and RAFARS get together and put forward to the RSGB/MPT, nothing will be done. However, let us await news and views from other members.... .....Still only on at weekends but manage to keep my ear to the ground during the week. Usually monitor the Signals Net with Cyril and Company and how nice it is to hear A5j call-signs given in phonetics.....

73 Nobby, G3BEC/113

From : D. Adams, GW3VBP. ".....After an absence of 8 weeks from my QTH I was greeted on return with a pile of bills, correspondence and, above all, a "Mercury" and a letter threatening EXCOMMUNICATION. Please! Please! reconsider. Absolutely an oversight on my part. Will not happen again. Am enclosing a Postal Order, etc....." (Don't worry Don, you are fully reinstated as RSARS 871 and look forward to hearing you on the Net. The Marconi-Kemp Award is first-Class, Don, and those people who didn't get one just don't know what they are missing. Many thanks. - Ed.).

From : E.S. Collin, G3NQV/RSARS 192, Green Point, Manfield, Darlington, Co. Durham. (Tel. Pieraebridge 497). ".....Please note new address.....".

From : B. Lambert, G4BXF/RSARS 724, 58 Broadmead Road, Woodford Green, Essex. ".....Thanks for my Membership Card, Mercury, etc.... .....I was in Royal Signals from 1954 until 1956, National Service. After leaving Catterick Camp as an OWL BIII I was posted to Cyrenaica (Benghazi) and after being there a short time was posted to Derna where we operated a radio station, being attached to the KRRC. From there I went to Tripoli where I was attached to REME and then on to Derna again. At Derna we maintained communications with Cyprus during the troubles there. Being in Signals was of course, instrumental in taking and passing the licence. Knowing Morse was particularly helpful. I was introduced to RSARS by G2ZZ another old Signaller...." (Tnx info, OM, and many thanks to G2ZZ. Thought you might have bumped into Arthur, G2TT, in Monkams Lane, Woodford Green before now!! - Ed.).

From : Capt. (Rtd.) F. A. George, G5FG/RSARS 505, 9 Acacia Street, Hatfield, Herts., AL10 8SZ. ".....Will you please note that my address is now as above. Hope to be active soon but as you realise the upheaval of moving for us old 'uns is quite a business.....".

#### TREASURERS PAGE, ETC.

To bring everyone up to date, the following is a list of subscriptions paid in since 1st July via the Gen. See. List shows RSARS Number and Callsign (where applicable), also years subs paid and where a member has converted to Life Membership (Con. L).

944 G3ZYE 1973-74-75-76...846 Con. L...712 1973...271 1973...105 G2CPM 1973-74...757 G3YZQ 1973-74...731 G3YYD Con. L...680 G3YMR 1973-74...870 1973...663 G3VA 1973-74 ...351 1972-73...385 G3OSY 1972-73-74-75...597 G3WGM 1972-73-74-75-76-77...869 G2WFA 1973-74...805 G3XVE 1973...312 G3YRT 1973-74...875 G4ACT 1973...479 G3SDD 1973...449 G3UUA 1973 (Rejoined - Re-issued number)...585 G4ADF 1973...591 G4BXV 1973-74-75...598 1973-74...621 1973...631 1973...865 G4AOF 1973...716 1972-73 (Resigned as at 31st December 1973)...794 VK4IV 1973...299 1974-75...028 1972-73...866 G2DWN 1973-74...600 G3VRK 1973...688 G2DJM 1973-74...220 1972-73...804 1973-74...694 G3LPS 1973...802 DA4BO 1973-74...734 G3XRY 1973-74...224 G3VIR Con. L...601 G6MB 1973...954 1974...762 1972-73...490 G4DR 1973...698 HB9AMS 1972-73-74-75-76-77-78-79...635 G3KOJ 1973...640 G8GKK 1973...645 G3OFW 1973-74-75-76-77-78...647 1973...652 G3VBE 1973...653 G3IBB 1973-74...657 G3VPI Hon. L...676 W2UN 1973-74-75...678 G3RDX 1973-74...108 G3WXX Con. L...691 G4NS 1973...931 1974 ...701 1973...707 G3RFC 1973-74...709 1973...718 K2JFJ 1973-74-75...723 WB6JXC 1973-74...724 G4BXF 1973...726 VQ9HCS 1973-74-75...871 GW3VBP 1973-74...727 1973-74...736 5B4JN 1973-74...742 G4CKP 1973-74...600 G3VRK 1974...743 W8KXA 1974-75...755 G3UZD 1974...209 G5YM 1974...842 G3JHS 1974.

(List correct up to and including 5th October 1973. Please remember that Annual subscriptions become due on January 1st and a Bankers Order Form is included with this issue to save having to mark the diary every year!)

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#### WESTERN HEMISPHERE NET.

A last minute suggestion for the Western Hemisphere (Local) Net is 3.790 MHz at 1900 hours GMT. If members would like to try this frequency in addition to the others mentioned and let HQ know how it goes, details will be published in a forthcoming "Mercury". (Sri, this is on SUNDAYS).

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#### RE-ISSUED NUMBERS.

HQ is still continuing the policy of re-issuing numbers and all 'gaps' prior to the 1973 AGM have now been filled. The following are numbers to be filled from forthcoming applications : 223, 258, 346, 406, 441, 450, 516, 518, 587, 592, 609, 622, 635, 677, 679, 693, 697, 725, 753, 760, 773, 780, 788, 790, 791, 793, 797, 801, 810, 812, 813, 814, 821, 822, 823, 837, 844, 847, 852, 859, 860, 863, 875, 885, 914, 915, 925, 930, 941, and 942.

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Good at compiling Crosswords??? Could you write a 'Code' problem??? Have you an idea for an article??? Anything of general interest is always needed for "Mercury". At the moment we have one or two articles from members awaiting publication and a couple of 'reprints' (one on the IS1A DX-pedition and one on the National Bureau of Standards Radio Services). How about a station description, or, perhaps, how it has developed from the 0-V-1 to the CX-7.

If you would prefer to write under a Nom-de-Plume, please do so, but remember your Editor must have your full name and address to consider publication.

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Due to Postal increases, replies to member's letters will only be sent in future where a stamp or SAE is enclosed. At the moment 14 1st class letters sent would only leave 1p change out of an Annual subscription!!!

\*\*\*\*\*

DONT FORGET - Photo's, for display, are always required at HQ. If you have a spare 'snap', send it along. It will be appreciated. Also those buckshee Green Shield stamps (if the XYL doesn't see them first!). 73 4e G4RS

### LAST GLEANINGS.

### PREDICTION CHARTS.

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Roly, G3VIR, has available a limited number of prediction charts covering the coming months for the European area. He is prepared to pass these along to members who may be interested on a first-come, first-served basis. There is no charge, but all members are expected to send a stamped addressed envelope. Remember, these charts are suitable for inter-european contacts only. Please write direct to R. BRADE, G3VIR/RSARS 224, 26 ROMAN WAY, HALE ROAD, FARNHAM, SURREY. (Note change of house number and. don't forget that SAE!)

### RSARS LIBRARY.

Don't forget that books in the RSARS -Library are available free of charge for loan by members. Normal loan period - 1 month. No charge but members are expected to repay postage. Books are always welcome to go into the Library and if you have any spare volumes that might be of interest to other members HQ would be quite happy to take them off your hands and refund postage if necessary. The present Library List is as follows :-

#### SERVICES TEXT BOOKS :

The Service Textbook of Radio - Vol. 1 - Electrical Fundamentals.

The Service Textbook of Radio - Vol. 3 - Electronics.

The Service Textbook of Radio - Vol. 5 - Transmission and Propagation.

The Service Textbook of Radio - Vol. 7 - Radio-location Techniques.

#### ARRL PUBLICATIONS :

The Radio Amateurs Operating Manual

Single Sideband for the Radio Amateur

The Mobile Manual for Radio Amateurs

The ARRL Antenna Handbook

Understanding Amateur Radio

A Course in Radio Fundamentals

Hints and Kinks for the Radio Amateur (Vol. 8)

The Radio Amateurs Operating Manual

#### 'CQ' PUBLICATIONS :

Shop and Shack Shortcuts

The New RTTY Handbook

RTTY from A to Z

The Amateur Radio DX Handbook

#### RSGB PUBLICATIONS :

VHF-UHF Manual

Radio Data Reference Book

Amateur Radio Circuits

A Guide to Amateur Radio

The Radio Amateurs Examination Manual

#### FOULSHAMS-SAMS PUBLICATIONS :

101 Ways to use your Oscilloscope

101 Ways to use your Signal Generator

#### DOVER PUBLICATIONS INC. :

Basic Theory and. Application of Transistors

#### PHILLIPS PUBLICATIONS :

Phillips Semiconductor Manual (1964)

#### OTHER PUBLICATIONS :

Vademecum (by Jaime Mas Bauza. Printed in three languages. Vintage - 1931. This copy personally signed by the author and presented to his colleague James Alexander).

### THE FINAL SHEET

ATTENTION ALL MEMBERS ! - Have you ever had a QSO with another RSARS member? Or, as a RSARS SWL, have you ever sent a report to a RSARS member? If the answer in either case is 'YES' the next question is IMPORTANT!. Have you sent envelopes to the RSARS QSL Bureau? Please help Dave to help you! Your attention is drawn to the new rule regarding the RSARS QSL Bureau - six months only and then your QSLs will be returned, if possible, or, failing that, they will be destroyed. All this causes a lot of work for your QSL Bureau Manager who does a good job without complaint or reimbursement. Give him a hand. Just send a few envelopes self-addressed and stamped according to how many cards you expect, or want delivered at a time, with your call-sign in the top left, hand corner, to the address shown inside the front cover. Dave will be happy to send along any cards there are for you. After all, even if there's only one QSL it could be the one that will make up your Award claim!!. Cards and ENVELOPES to Dave, please as soon as possible. There are quite a few cards waiting for a home.

OPEN MARKET - OPEN MARKET - OPEN MARKET - OPEN MARKET - OPEN MARKET

From : Tom Hicks, DJ0BU, 3261 Grossenweiden, Am Steinbrink, 12, West Germany.

FOR SALE : Coronet Minorette woodworking machine consisting of saw table (2" cut), 6" rotary plane and lathe bed. All powered by a 0.5 HP motor and fitted to a bench. Would like to exchange for a good rotator (HAM-M), Receiver or w.h.y. Or sell at £30. The machine is at my Clacton QTH and on my next trip home will arrange final details of transport, etc., if anyone is interested. (Please contact Tom direct at the above address and NOT via HQ - Ed.).

OPEN MARKET - OPEN MARKET - OPEN MARKET - OPEN MARKET - OPEN MARKET

### LATE LETTER.

From : Tom Mulder, VK6MK/RSARS 792, 2 Bedwell Street, Emu Point, Western Australia, 6332. "At the moment I am off the air, A month ago, a violent storm sent my 70 ft tower containing 3 Monobanders for 10, 15 and 20 Metres crashing down on the roof of my house, and the resulting mess of metal spaghetti had to be carted away. A new tower and antenna system is on the way and well before Christmas I should be successfully getting into my neighbours TV receivers !!!. Have enjoyed many fine QSOs on the 'Commonwealth' Net but have yet to contact G4RS!. Will look forward to doing so with the new antenna set-up. In the meantime, have a room-full of Collins 'S' Line and only a dummy load to feed it into!..." (Tom wrote with suggestions for the RSARS Far East Net as requested by HQ. Details will be published in the next edition when all answers should be in. It looks like 14-175 MHz at 1100 GMT is favourite at the moment, with 3-650 MHz as a 'local' frequency, at the same time. Far East (in its broadest sense) members are invited to give these frequencies a try, the LF on, say, Mondays, Wednesdays and Fridays, and the HF on all other days. More news on this one next issue. - Ed.).

LATEST ADDITIONS : It is hoped to issue with this edition of "Mercury" a new Membership List although some doubt exists as to whether this will be ready in time. If this should be the case, the following are the members who have joined/rejoined recently : 108-G3WXX, 220N/L, 449-G3UUA, 490-G4DR, 585-G4ADF, 591-G4BXV, 598-N/L, 600-G3VRK, 601-G6MB, 621-N/L, 631-N/L, 635-G3KOJ, 640-G8GKK, 645-G3OFW, 647-N/L, 652-G3VBE, 635-G3KOJ, 657-G3VPI, 676-W2UN, 678-G3RDX, 691-G4NS, 694-G3LPS, 698-HB9AMS, 701-N/L, 707-G3RFC, 709-N/L, 718-K2JFJ, 723-WB6JXC, 724-G4BXF, 726-VQ9HCS, 727-N/L, 734-G3XRY, 756-5B4JN, 742-G4CKP, 762-N/L, 802-DA4BO, 804-N/L, 871-GW3VBP. Details of new members are usually passed to GW3ASW as Deputy Net Controller RSARS SSB 80 Metre Net on Tuesday and Thursday evenings.

If you have a friend who is eligible and interested in joining RSARS, just pass along the address : RSARS, SCHOOL OF SIGNALS, BLANDFORD CAMP, DORSET, DT11 8RH.

**ONCE AGAIN SEASONS GREETINGS FROM ALL AT RSARS HQ AND YOUR COUNCIL  
AND PRESIDENT,**



ROYAL SIGNALS AMATEUR RADIO SOCIETY  
MEMBERSHIP LIST - 1 OCTOBER 1973

001 - 150

| No. | CALLSIGN   | QSO | QSL | No. | CALL-SIGN  | QSO | QSL | No. | CALL-SIGN  | QSO | QSL |
|-----|------------|-----|-----|-----|------------|-----|-----|-----|------------|-----|-----|
| 001 | G2EC       |     |     | 051 | GM3PIP     |     |     | 101 | GM3NXA     |     |     |
| 002 | NL         |     |     | 052 | G5VO       |     |     | 102 | GM3AWF     |     |     |
| 003 | G3DSS      |     |     | 053 | G3ZFZ      |     |     | 103 | G3WME      |     |     |
| 004 | G3EJF      |     |     | 054 | G3UMI      |     |     | 104 | G3GVV      |     |     |
| 005 | GI2DZG     |     |     | 055 | G8BEI      |     |     | 105 | G2CPM      |     |     |
| 006 | GM3GFO     |     |     | 056 | NL         |     |     | 106 | G3ORY      |     |     |
| 007 | G3NJM      |     |     | 057 | NL         |     |     | 107 | GM3IAA     |     |     |
| 008 | G3OKX      |     |     | 058 | GI8AYZ     |     |     | 108 | G3WXX      |     |     |
| 009 | G4RB       |     |     | 059 | G3VBL      |     |     | 109 | G3GWG      |     |     |
| 010 | G3EMO      |     |     | 060 | G3WEQ      |     |     | 110 | G3DOJ      |     |     |
| 011 | G3MKR      |     |     | 061 | G3MJK      |     |     | 111 | NL         |     |     |
| 012 | G3IRP      |     |     | 062 | G5XL       |     |     | 112 | G3OMH      |     |     |
| 013 | NL         |     |     | 063 | SILENT KEY |     |     | 113 | G3BEC      |     |     |
| 014 | GI3HXV     |     |     | 064 | G6RC       |     |     | 114 | NL         |     |     |
| 015 | SILENT KEY |     |     | 065 | NL         |     |     | 115 | G3ZUM      |     |     |
| 016 | G3HCM      |     |     | 066 | GW3PDD     |     |     | 116 | G3XAV      |     |     |
| 017 | G4JT       |     |     | 067 | DA2XC      |     |     | 117 | NL         |     |     |
| 018 | SILENT KEY |     |     | 068 | G3FGN      |     |     | 118 | G2BPC      |     |     |
| 019 | G3RAZ      |     |     | 069 | G3VSF      |     |     | 119 | G3VDR      |     |     |
| 020 | G3WQH      |     |     | 070 | G3PQF      |     |     | 120 | G3JZP      |     |     |
| 021 | G3OAZ      |     |     | 071 | G8APT      |     |     | 121 | G3TUM      |     |     |
| 022 | G3HN       |     |     | 072 | G5XB       |     |     | 122 | G3RUS      |     |     |
| 023 | SILENT KEY |     |     | 073 | G3PPK      |     |     | 123 | DA2YR      |     |     |
| 024 | G3IDG      |     |     | 074 | G3XBR      |     |     | 124 | G3WBL      |     |     |
| 025 | G3LMX      |     |     | 075 | NL         |     |     | 125 | GM6RI      |     |     |
| 026 | G8PG       |     |     | 076 | G3ONU      |     |     | 126 | NL         |     |     |
| 027 | G3PGM      |     |     | 077 | G3IUH      |     |     | 127 | G3FDU      |     |     |
| 028 | NL         |     |     | 078 | NL         |     |     | 128 | GM3OJC     |     |     |
| 029 | G3DMK      |     |     | 079 | G3PNE      |     |     | 129 | NL         |     |     |
| 030 | G3OHJ      |     |     | 080 | G3XCS      |     |     | 130 | G3DBU      |     |     |
| 031 | GM3OFV     |     |     | 081 | G3BOE      |     |     | 131 | G3FMW      |     |     |
| 032 | NL         |     |     | 082 | GI3IWD     |     |     | 132 | G2ATM      |     |     |
| 033 | NL         |     |     | 083 | G3PC       |     |     | 133 | G3RFI      |     |     |
| 034 | G8ANQ      |     |     | 084 | G3WUT      |     |     | 134 | G2JF       |     |     |
| 035 | G3AGO      |     |     | 085 | G3PNF      |     |     | 135 | G3RGF      |     |     |
| 036 | NL         |     |     | 086 | G3UUG      |     |     | 136 | G3NXM      |     |     |
| 037 | G2CX       |     |     | 087 | GM3KLA     |     |     | 137 | G3PDS      |     |     |
| 038 | G3JFW      |     |     | 088 | NL         |     |     | 138 | G3NVK      |     |     |
| 039 | G3ADZ      |     |     | 089 | GM3LWS     |     |     | 139 | G3JKO      |     |     |
| 040 | G5YN       |     |     | 090 | G3DPS      |     |     | 140 | G3NUI      |     |     |
| 041 | NL         |     |     | 091 | G3NZY      |     |     | 141 | SILENT KEY |     |     |
| 042 | G3HZW      |     |     | 092 | G3NOL      |     |     | 142 | NL         |     |     |
| 043 | G3CRP      |     |     | 093 | G4QD       |     |     | 143 | G3ADS      |     |     |
| 044 | NL         |     |     | 094 | G3KYU      |     |     | 144 | G3PHK      |     |     |
| 045 | G3NWZ      |     |     | 095 | NL         |     |     | 145 | NL         |     |     |
| 046 | G3EKL      |     |     | 096 | NL         |     |     | 146 | SILENT KEY |     |     |
| 047 | G3PCV      |     |     | 097 | VK3ET      |     |     | 147 | NL         |     |     |
| 048 | NL         |     |     | 098 | GW3GHC     |     |     | 148 | G2BPW      |     |     |
| 049 | NL         |     |     | 099 | G5KW       |     |     | 149 | G4AWJ      |     |     |
| 050 | NL         |     |     | 100 | SILENT KEY |     |     | 150 | NL         |     |     |

NL = NOT LICENSED, BLANK SPACES = NUMBER NOT ISSUED.

NOTES:

|     |            |     |     |     |            |     |     | 151 - 300 |            |     |     |
|-----|------------|-----|-----|-----|------------|-----|-----|-----------|------------|-----|-----|
| No. | CALLSIGN   | QSO | QSL | No. | CALLSIGN   | QSO | QSL | No.       | CALLSIGN   | QSO | QSL |
| 151 | G3SGH      |     |     | 201 | G3BGR      |     |     | 251       | GW3RGE     |     |     |
| 152 | G3BIZ      |     |     | 202 | G4AYZ      |     |     | 252       | G3HBE      |     |     |
| 153 | NL         |     |     | 203 | 9V1RL      |     |     | 253       | NL         |     |     |
| 154 | NL         |     |     | 204 | G3SIQ      |     |     | 254       | G3RPV      |     |     |
| 155 | G3RAQ      |     |     | 205 | G3RII      |     |     | 255       | G2TN       |     |     |
| 156 | G3UOL      |     |     | 206 | G3KLX      |     |     | 256       | NL         |     |     |
| 157 | G3RCJ      |     |     | 207 | G3RFP      |     |     | 257       | G3HZP      |     |     |
| 158 | G3VDU      |     |     | 208 | G2FAS      |     |     | 258       |            |     |     |
| 159 | ML         |     |     | 209 | G5YM       |     |     | 259       | G4BKU      |     |     |
| 160 | G3RLM      |     |     | 210 | G3VNN      |     |     | 260       | G8RF       |     |     |
| 161 | G3OYS      |     |     | 211 | NL         |     |     | 261       | GM3WKM     |     |     |
| 162 | G3LXP      |     |     | 212 | NL         |     |     | 262       | GW3MSY     |     |     |
| 163 | G3UTI      |     |     | 213 | NL         |     |     | 263       | NL         |     |     |
| 164 | G3OEK      |     |     | 214 | GW3TMH     |     |     | 264       | ZC4DS      |     |     |
| 165 | G8GDD      |     |     | 215 | G8AFT      |     |     | 265       | G50PX      |     |     |
| 166 | NL         |     |     | 216 | SILENT KEY |     |     | 266       | G3SZQ      |     |     |
| 167 | GM3PFU     |     |     | 217 | G3UDX      |     |     | 267       | G3RNR      |     |     |
| 168 | VK2PF      |     |     | 218 | NL         |     |     | 268       | G3TAN      |     |     |
| 169 | NL         |     |     | 219 | G4CHT      |     |     | 269       | G4CJ       |     |     |
| 170 | NL         |     |     | 220 | NL         |     |     | 270       | G2CVY      |     |     |
| 171 | 9H1BB      |     |     | 221 | G3BJA      |     |     | 271       | NL         |     |     |
| 172 | G3UXH      |     |     | 222 | G3ARM      |     |     | 272       | SILENT KEY |     |     |
| 173 | G3VYZ      |     |     | 223 |            |     |     | 273       | G3YQK      |     |     |
| 174 | NL         |     |     | 224 | G3VIR      |     |     | 274       | G3ENE      |     |     |
| 175 | GM4AGS     |     |     | 225 | G3XBA      |     |     | 275       | NL         |     |     |
| 176 | G3EBO      |     |     | 226 | G3UCT      |     |     | 276       | G4BUS      |     |     |
| 177 | G3NXB      |     |     | 227 | DL5XF      |     |     | 277       | G3OMT      |     |     |
| 178 | G2AYQ      |     |     | 228 | G3URG      |     |     | 278       | SILENT KEY |     |     |
| 179 | G3YSZ      |     |     | 229 | G2HNL      |     |     | 279       | NL         |     |     |
| 180 | G3RBS      |     |     | 230 | G3YZO      |     |     | 280       | SILENT KEY |     |     |
| 181 | NL         |     |     | 231 | G3FQN      |     |     | 281       | G3BSW      |     |     |
| 182 | G5TV       |     |     | 232 | GW3XHJ     |     |     | 282       | V85MC      |     |     |
| 183 | G3SYW      |     |     | 233 | G3VZP      |     |     | 283       | G3LAT      |     |     |
| 184 | SILENT KEY |     |     | 234 | WA8PCT     |     |     | 284       | G3SQB      |     |     |
| 185 | G3DNF      |     |     | 235 | G6ZY       |     |     | 285       | GW3SVY     |     |     |
| 186 | G3EHZ      |     |     | 236 | NL         |     |     | 286       | G4CAO      |     |     |
| 187 | GW8MQ      |     |     | 237 | SILENT KEY |     |     | 287       | G2CDN      |     |     |
| 188 | NL         |     |     | 238 | NL         |     |     | 288       | G15DX      |     |     |
| 189 | G3OUF      |     |     | 239 | G3GLQ      |     |     | 289       | G2FRY      |     |     |
| 190 | G3JVD      |     |     | 240 | G3NDJ      |     |     | 290       | G8LT       |     |     |
| 191 | G3LOV      |     |     | 241 | G3RBB      |     |     | 291       | G2TT       |     |     |
| 192 | G3NQV      |     |     | 242 | G3RPJ      |     |     | 292       | G3VSA      |     |     |
| 193 | GM3SAE     |     |     | 243 | G3WBA      |     |     | 293       | G3RWF      |     |     |
| 194 | G3XBU      |     |     | 244 | G4BHV      |     |     | 294       | G3UPY      |     |     |
| 195 | SILENT KEY |     |     | 245 | 5N2NAS     |     |     | 295       | G2HKU      |     |     |
| 196 | VE3GFX     |     |     | 246 | NL         |     |     | 296       | NL         |     |     |
| 197 | G3DWW      |     |     | 247 | G5GH       |     |     | 297       | G3LNC      |     |     |
| 198 | G3SAX      |     |     | 248 | NL         |     |     | 298       | G4AGN      |     |     |
| 199 | G13ALT     |     |     | 249 | NL         |     |     | 299       | NL         |     |     |
| 200 | G3SJF      |     |     | 250 | G3LLJ      |     |     | 300       | 9M2DQ      |     |     |

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NOTES:



| No. | CALLSIGN   | QSO | QSL | No. | CALLSIGN   | QSO | QSL | No. | CALLSIGN   | QSO | QSL |
|-----|------------|-----|-----|-----|------------|-----|-----|-----|------------|-----|-----|
| 301 | G8BRU      |     |     | 351 | NL         |     |     | 401 | SILENT KEY |     |     |
| 302 | G8DEU      |     |     | 352 | G3HSE      |     |     | 402 | G3BIC      |     |     |
| 303 | G4BKQ      |     |     | 353 | G3TTH      |     |     | 403 | G3EUR      |     |     |
| 304 | G8AQT      |     |     | 354 | NL         |     |     | 404 |            |     |     |
| 305 | NL         |     |     | 355 | G3DCA      |     |     | 405 | G3XEE      |     |     |
| 306 | G4BOS      |     |     | 356 | G3UOT      |     |     | 406 |            |     |     |
| 307 | G3FWD      |     |     | 357 | G8CDQ      |     |     | 407 | 9V1RJ      |     |     |
| 308 | G3WTJ      |     |     | 358 | NL         |     |     | 408 | NL         |     |     |
| 309 | G3FPC      |     |     | 359 | G3LHJ      |     |     | 409 | G3BA       |     |     |
| 310 | NL         |     |     | 360 | G3GBS      |     |     | 410 | G3PNM(DA2) |     |     |
| 311 | G8HDR      |     |     | 361 | G3WZQ      |     |     | 411 | G3UZL      |     |     |
| 312 | G3YRT      |     |     | 362 | G3GEJ      |     |     | 412 | G3BTM      |     |     |
| 313 | NL         |     |     | 363 | GW3OKM     |     |     | 413 | 9H1BX      |     |     |
| 314 | NL         |     |     | 364 | G6VQ       |     |     | 414 | G5RY       |     |     |
| 315 | NL         |     |     | 365 | G3SKL      |     |     | 415 | VE4AI      |     |     |
| 316 | G2WQ       |     |     | 366 | G4AKQ      |     |     | 416 | G3MBQ      |     |     |
| 317 | G3KBN      |     |     | 367 | SILENT KEY |     |     | 417 | SILENT KEY |     |     |
| 318 | NL         |     |     | 368 | ZC4UC      |     |     | 418 | G3VIY      |     |     |
| 319 | VE3DDR     |     |     | 369 | GM3FIZ     |     |     | 419 | GM3HGA     |     |     |
| 320 | G3AES      |     |     | 370 | G3UTX      |     |     | 420 | G8EFJ      |     |     |
| 321 | G3HS       |     |     | 371 | NL         |     |     | 421 | SILENT KEY |     |     |
| 322 | G2DRT      |     |     | 372 | G2TA       |     |     | 422 | G3UJW      |     |     |
| 323 | G3EDW      |     |     | 373 | NL         |     |     | 423 | G3VWK      |     |     |
| 324 | G3PNR      |     |     | 374 | G2BTO      |     |     | 424 | G4BZQ      |     |     |
| 325 | G3DCZ      |     |     | 375 | G3INA      |     |     | 425 | NL         |     |     |
| 326 | GW3BGP     |     |     | 376 | SILENT KEY |     |     | 426 | G3XUR      |     |     |
| 327 | GM3RPM     |     |     | 377 | G3BHB      |     |     | 427 | A4XFB      |     |     |
| 328 | G3TKI      |     |     | 378 | DL5ZU      |     |     | 428 | G3NQT      |     |     |
| 329 | G3UUO      |     |     | 379 | DL6AA      |     |     | 429 | G3NCZ      |     |     |
| 330 | G2UV       |     |     | 380 | G3UEV      |     |     | 430 | G3PQ       |     |     |
| 331 | GM3KPQ     |     |     | 381 | G3BID      |     |     | 431 | VS5PW      |     |     |
| 332 | G2CAV      |     |     | 382 | G3DAQ      |     |     | 432 | NL         |     |     |
| 333 | GM3SZK     |     |     | 383 | G2ACD      |     |     | 433 | G3YRX      |     |     |
| 334 | G3XTL      |     |     | 384 | G3IFM      |     |     | 434 | G3VGN      |     |     |
| 335 | G3OLE      |     |     | 385 | G3OSY      |     |     | 435 | G3VPM(DA2) |     |     |
| 336 | G3XHA      |     |     | 386 | G3YBO      |     |     | 436 | G2HHD      |     |     |
| 337 | GM3TDS     |     |     | 387 | G3FOP      |     |     | 437 | 5B4FF      |     |     |
| 338 | G3SWO      |     |     | 388 | G3TDW      |     |     | 438 | DA2YC      |     |     |
| 339 | G2IO       |     |     | 389 | SILENT KEY |     |     | 439 | G3SRH      |     |     |
| 340 | G8VG       |     |     | 390 | NL         |     |     | 440 | G3ZCG      |     |     |
| 341 | SILENT KEY |     |     | 391 | NL         |     |     | 441 |            |     |     |
| 342 | NL         |     |     | 392 | G3VDF      |     |     | 442 | G3VIS      |     |     |
| 343 | G3XSN      |     |     | 393 | G6LL       |     |     | 443 | NL         |     |     |
| 344 | G8TK       |     |     | 394 | G3WTA      |     |     | 444 | G3ZDP      |     |     |
| 345 | G4BZP      |     |     | 395 | G3TKL      |     |     | 445 | G2HDO      |     |     |
| 346 |            |     |     | 396 | G3ABM      |     |     | 446 | G4CDK      |     |     |
| 347 | G3YCN      |     |     | 397 | G2QB       |     |     | 447 | G2ZA       |     |     |
| 348 | G4ARB      |     |     | 398 | G3XFG      |     |     | 448 | G3KYF      |     |     |
| 349 | NL         |     |     | 399 | NL         |     |     | 449 | G3UUA      |     |     |
| 350 | G8BOF      |     |     | 400 | G3HWL      |     |     | 450 |            |     |     |

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NOTES:

| No. | CALLSIGN   | QSO | QSL | No. | CALLSIGN   | QSO | QSL | No. | CALLSIGN | QSO | QSL |
|-----|------------|-----|-----|-----|------------|-----|-----|-----|----------|-----|-----|
| 451 | G3OTY      |     |     | 501 | G12BZV     |     |     | 551 | G3IOI    |     |     |
| 452 | GW3LAD     |     |     | 502 | G2AUA      |     |     | 552 | G6HB     |     |     |
| 453 | GM3VIO     |     |     | 503 | G6ZT       |     |     | 553 | G3IUD    |     |     |
| 454 | G3UAA      |     |     | 504 | NL         |     |     | 554 | G3GJH    |     |     |
| 455 | NL         |     |     | 505 | G5FG       |     |     | 555 | G3WCP    |     |     |
| 456 | NL         |     |     | 506 | G3WMZ      |     |     | 556 | G3BEZ    |     |     |
| 457 | G3GWD      |     |     | 507 | G3BG       |     |     | 557 | WA6CEB   |     |     |
| 458 | G3AJP      |     |     | 508 | G3PJB      |     |     | 558 | VE3GNM   |     |     |
| 459 | G3UNC      |     |     | 509 | G2ZZ       |     |     | 559 | GW3ASW   |     |     |
| 460 | SILENT KEY |     |     | 510 | G6QM       |     |     | 560 | G3IR     |     |     |
| 461 | G2QB       |     |     | 511 | G3EYD      |     |     | 561 | G3YOS    |     |     |
| 462 | NL         |     |     | 512 | G2HLL      |     |     | 562 | G3TKX    |     |     |
| 463 | G3KWN      |     |     | 513 | G3BY       |     |     | 563 | G3RCO    |     |     |
| 464 | G2UZ       |     |     | 514 | SILENT KEY |     |     | 564 | G8SC     |     |     |
| 465 | 3B8CZ      |     |     | 515 | G3XGQ      |     |     | 565 | G3IGI    |     |     |
| 466 | GM3FSV     |     |     | 516 |            |     |     | 566 | G8DK     |     |     |
| 467 | GM3VVM     |     |     | 517 | GM3JOA     |     |     | 567 | G3VVH    |     |     |
| 468 | G4CFN      |     |     | 518 |            |     |     | 568 | G2CKQ    |     |     |
| 469 | DA2XH      |     |     | 519 | G3XVO      |     |     | 569 | G3PYN    |     |     |
| 470 | VS6DB      |     |     | 520 | G4CBT      |     |     | 570 | NL       |     |     |
| 471 | GM3JIG     |     |     | 521 | G3WNI      |     |     | 571 | G3IRR    |     |     |
| 472 | G2YS       |     |     | 522 | G8BBP      |     |     | 572 | G3YNB    |     |     |
| 473 | G3EBH      |     |     | 523 | ZL1ACL     |     |     | 573 | G3OOD    |     |     |
| 474 | G3XFV      |     |     | 524 | NL         |     |     | 574 | G4BC     |     |     |
| 475 | SILENT KEY |     |     | 525 | G8ARA      |     |     | 575 | VK6JR    |     |     |
| 476 | G3BHC      |     |     | 526 | G3VNX      |     |     | 576 | WA8TGA   |     |     |
| 477 | NL         |     |     | 527 | DJ0BU      |     |     | 577 | G3LO     |     |     |
| 478 | G2FYT      |     |     | 528 | DA2XN      |     |     | 578 | G8CQZ    |     |     |
| 479 | G3SDD      |     |     | 529 | G3PMC      |     |     | 579 | G3IZP    |     |     |
| 480 | G2UX       |     |     | 530 | G2KK(ZL)   |     |     | 580 | G3RNL    |     |     |
| 481 | NL         |     |     | 531 | G6UC       |     |     | 581 | G3YMN    |     |     |
| 482 | G3KBQ      |     |     | 532 | G3JME      |     |     | 582 | G3JIL    |     |     |
| 483 | G3LNS      |     |     | 533 | G8TN       |     |     | 583 | GM3AVA   |     |     |
| 484 | G3FNK      |     |     | 534 | G3POY      |     |     | 584 | G3WET    |     |     |
| 485 | SILENT KEY |     |     | 535 | G3UTW      |     |     | 585 | G4ADF    |     |     |
| 486 | G8NY       |     |     | 536 | NL         |     |     | 586 | NL       |     |     |
| 487 | NL         |     |     | 537 | G6ZO       |     |     | 587 |          |     |     |
| 488 | GW3DIX     |     |     | 538 | G2OC       |     |     | 588 | G3RKN    |     |     |
| 489 | G4PX       |     |     | 539 | G3EFY      |     |     | 589 | G8KW     |     |     |
| 490 | G4DR       |     |     | 540 | G3WRY      |     |     | 590 | G3YOB    |     |     |
| 491 | G6TQ       |     |     | 541 | G4AWI      |     |     | 591 | G4BXV    |     |     |
| 492 | G2NJ       |     |     | 542 | GW3QN      |     |     | 592 |          |     |     |
| 493 | G3AMR      |     |     | 543 | G3VAN      |     |     | 593 | G3YSD    |     |     |
| 494 | G3LQC      |     |     | 544 | G13JEX     |     |     | 594 | G3LZR    |     |     |
| 495 | G3PWK(DA2) |     |     | 545 | G3FK       |     |     | 595 | PY2PA    |     |     |
| 496 | GW3AX      |     |     | 546 | SILENT KEY |     |     | 596 | G4QX     |     |     |
| 497 | G8PL       |     |     | 547 | GM3WHS     |     |     | 597 | G3WGM    |     |     |
| 498 | G3XT       |     |     | 548 | G2DPY      |     |     | 598 | NL       |     |     |
| 499 | G4LO       |     |     | 549 | G2DPQ      |     |     | 599 | G3RYF    |     |     |
| 500 | GM8SQ      |     |     | 550 | SILENT KEY |     |     | 600 | G3VRK    |     |     |

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NOTES:

| No. | CALLSIGN   | QSO | QSL | No. | CALLSIGN | QSO | QSL | No. | CALLSIGN | 601 - 750 |     |
|-----|------------|-----|-----|-----|----------|-----|-----|-----|----------|-----------|-----|
|     |            |     |     |     |          |     |     |     |          | QSO       | QSL |
| 601 | G6MB       |     |     | 651 | NL       |     |     | 701 | NL       |           |     |
| 602 | G3TSR      |     |     | 652 | G3VBE    |     |     | 702 | ON8GB    |           |     |
| 603 | G3FD       |     |     | 653 | G3IBB    |     |     | 703 | G3IMI    |           |     |
| 604 | G3TLV      |     |     | 654 | G5FA     |     |     | 704 | G3AVH    |           |     |
| 605 | G4BTW      |     |     | 655 | G3FWR    |     |     | 705 | G8FVC    |           |     |
| 606 | VK6WO      |     |     | 656 | G4BU     |     |     | 706 | NL       |           |     |
| 607 | G3YBP      |     |     | 657 | G3VPI    |     |     | 707 | G3RFC    |           |     |
| 608 | G3YRQ      |     |     | 658 | NL       |     |     | 708 | VE8CB    |           |     |
| 609 |            |     |     | 659 | NL       |     |     | 709 | NL       |           |     |
| 610 | G3YJU      |     |     | 660 | G3LCJ    |     |     | 710 | GW2HIN   |           |     |
| 611 | DA2YK      |     |     | 661 | G3YHL    |     |     | 711 | NL       |           |     |
| 612 | G3XZT      |     |     | 662 | G3IES    |     |     | 712 | NL       |           |     |
| 613 | G3NOB      |     |     | 663 | G3VA     |     |     | 713 | G4KG     |           |     |
| 614 | G3HPJ      |     |     | 664 | G3KKI    |     |     | 714 | K2QPS    |           |     |
| 615 | G3COL      |     |     | 665 | G3YNT    |     |     | 715 | NL       |           |     |
| 616 | G3SYT      |     |     | 666 | G2CVV    |     |     | 716 | NL       |           |     |
| 617 | NL         |     |     | 667 | G3GHE    |     |     | 717 | GW3YPF   |           |     |
| 618 | G8KL/W6    |     |     | 668 | NL       |     |     | 718 | K2JFJ    |           |     |
| 619 | G3RSV      |     |     | 669 | G3XIP    |     |     | 719 | G3VUC    |           |     |
| 620 | G3BWV      |     |     | 670 | G3YOY    |     |     | 720 | G3YHB    |           |     |
| 621 | NL         |     |     | 671 | G3KVD    |     |     | 721 | NL       |           |     |
| 622 |            |     |     | 672 | G3PUW    |     |     | 722 | NL       |           |     |
| 623 | G3XYF      |     |     | 673 | ZL1AUI   |     |     | 723 | WB6JXC   |           |     |
| 624 | NL         |     |     | 674 | VE3CDM   |     |     | 724 | G4BXF    |           |     |
| 625 | DA1BS      |     |     | 675 | NL       |     |     | 725 |          |           |     |
| 626 | G3ECV      |     |     | 676 | W2UN     |     |     | 726 | VQ9HCS   |           |     |
| 627 | SILENT KEY |     |     | 677 |          |     |     | 727 | NL       |           |     |
| 628 | G4AH       |     |     | 678 | G3RDX    |     |     | 728 | NL       |           |     |
| 629 | G3BHT      |     |     | 679 |          |     |     | 729 | G2KI     |           |     |
| 630 | NL         |     |     | 680 | G3YMR    |     |     | 730 | NL       |           |     |
| 631 | NL         |     |     | 681 | G3COP    |     |     | 731 | G3YYD    |           |     |
| 632 | G8BKU      |     |     | 682 | G3OPL    |     |     | 732 | G4BMZ    |           |     |
| 633 |            |     |     | 683 | G3EDG    |     |     | 733 | VK2BEL   |           |     |
| 634 | G3HMY      |     |     | 684 | G3BWV    |     |     | 734 | G3XRY    |           |     |
| 635 | G3KOJ      |     |     | 685 | G3OOQ    |     |     | 735 | NL       |           |     |
| 636 | SILENT KEY |     |     | 686 | G3LZN    |     |     | 736 | 5B4JN    |           |     |
| 637 | NL         |     |     | 687 | GM2CQI   |     |     | 737 | G3UZZ    |           |     |
| 638 | G3ENG      |     |     | 688 | G2DJM    |     |     | 738 | G3ZDM    |           |     |
| 639 | G3BZO      |     |     | 689 | G4AUP    |     |     | 739 | NL       |           |     |
| 640 | G8GKK      |     |     | 690 | GW3HUM   |     |     | 740 | NL       |           |     |
| 641 | G3IAR      |     |     | 691 | G4NS     |     |     | 741 | G2BIM    |           |     |
| 642 | G3XWI      |     |     | 692 | G3YSK    |     |     | 742 | G4CKP    |           |     |
| 643 | G2DHV      |     |     | 693 |          |     |     | 743 | W8KXA    |           |     |
| 644 | NL         |     |     | 694 | G3LPS    |     |     | 744 | NL       |           |     |
| 645 | G3OFW      |     |     | 695 | G3DWS    |     |     | 745 | 9M2DL    |           |     |
| 646 | G3JIY      |     |     | 696 | ZL2BBT   |     |     | 746 | G3YOZ    |           |     |
| 647 | NL         |     |     | 697 |          |     |     | 747 | G3XWS    |           |     |
| 648 | G3KJW      |     |     | 698 | HB9AMS   |     |     | 748 | G6XM     |           |     |
| 649 | W3RX       |     |     | 699 | GW3RVG   |     |     | 749 | G3JBA    |           |     |
| 650 | SILENT KEY |     |     | 700 | G3OFB    |     |     | 750 | G3XHR    |           |     |

NL = NOT LICENSED, BLANK SPACES = NUMBER NOT ISSUED.

NOTES:

| No. | CALLSIGN | QSO | QSL | No. | CALLSIGN | QSO | QSL | No. | CALLSIGN   | 751-900<br>QSO QSL |
|-----|----------|-----|-----|-----|----------|-----|-----|-----|------------|--------------------|
| 751 | NL       |     |     | 801 |          |     |     | 851 | NL         |                    |
| 752 | NL       |     |     | 802 | DA4BO    |     |     | 852 |            |                    |
| 753 |          |     |     | 803 | G3NT     |     |     | 853 | G3GUE      |                    |
| 754 | ZS3MS    |     |     | 804 | NL       |     |     | 854 | G3ZEE      |                    |
| 755 | G3UZD    |     |     | 805 | G3VXE    |     |     | 855 | NL         |                    |
| 756 | VK2OV    |     |     | 806 | NL       |     |     | 856 | G4AMF      |                    |
| 757 | G3YZQ    |     |     | 807 | W4NIC    |     |     | 857 | G6LV       |                    |
| 758 | G3OLV    |     |     | 808 | NL       |     |     | 858 | NL         |                    |
| 759 | NL       |     |     | 809 | G3NL     |     |     | 859 |            |                    |
| 760 |          |     |     | 810 |          |     |     | 860 |            |                    |
| 761 | NL       |     |     | 811 | NL       |     |     | 861 | NL         |                    |
| 762 | NL       |     |     | 812 |          |     |     | 862 | G5LZ       |                    |
| 763 | NL       |     |     | 813 |          |     |     | 863 |            |                    |
| 764 | NL       |     |     | 814 |          |     |     | 864 | VK2OK      |                    |
| 765 |          |     |     | 815 | G3ZOJ    |     |     | 865 | G4AOF      |                    |
| 766 | NL       |     |     | 816 | NL       |     |     | 866 | G2DWN      |                    |
| 767 | VU2MD    |     |     | 817 | NL       |     |     | 867 | NL         |                    |
| 768 | G3AHB    |     |     | 818 | G3YYU    |     |     | 868 | G3YJO      |                    |
| 769 | GW3DRV   |     |     | 819 | NL       |     |     | 869 | G3FWA      |                    |
| 770 | NL       |     |     | 820 | G2AZW    |     |     | 870 | NL         |                    |
| 771 | G3YQQ    |     |     | 821 |          |     |     | 871 | GW3VBP     |                    |
| 772 | G5YY     |     |     | 822 |          |     |     | 872 | G3AQC      |                    |
| 773 |          |     |     | 823 |          |     |     | 873 | GM3WFJ     |                    |
| 774 | G3PQY    |     |     | 824 | NL       |     |     | 874 | G2BUC      |                    |
| 775 | GD4BEG   |     |     | 825 | VE3GUN   |     |     | 875 |            |                    |
| 776 | G3JMO    |     |     | 826 | G3ZVD    |     |     | 876 | NL         |                    |
| 777 | G3GUR    |     |     | 827 | G3NOF    |     |     | 877 | VK9EM      |                    |
| 778 | G13ZKT   |     |     | 828 | NL       |     |     | 878 | G3SMG      |                    |
| 779 | G3STM    |     |     | 829 | G8AHH    |     |     | 879 | NL         |                    |
| 780 |          |     |     | 830 | NL       |     |     | 880 | NL         |                    |
| 781 | G3WZS    |     |     | 831 | ZS1KZ    |     |     | 881 | G3ZCV      |                    |
| 782 | G3ZKA    |     |     | 832 | G4AMZ    |     |     | 882 | VK2AND     |                    |
| 783 | G6DV     |     |     | 833 | G4CGT    |     |     | 883 | G4ASW      |                    |
| 784 | G3VSD    |     |     | 834 | GM3ZHG   |     |     | 884 | G4AKN      |                    |
| 785 | GM3LYI   |     |     | 835 | G3SDM    |     |     | 885 |            |                    |
| 786 | G3ZDB    |     |     | 836 | NL       |     |     | 886 | GM3HXF     |                    |
| 787 | G2CFI    |     |     | 837 |          |     |     | 887 | GM3VJW     |                    |
| 788 |          |     |     | 838 | G8FG     |     |     | 888 | G3PRN      |                    |
| 789 | G3KAE    |     |     | 839 | GM4ABO   |     |     | 889 | G4AGR      |                    |
| 790 |          |     |     | 840 | G4BXQ    |     |     | 890 | G8QZ       |                    |
| 791 |          |     |     | 841 | NL       |     |     | 891 | G4ANH      |                    |
| 792 | VK6MK    |     |     | 842 | G3JHS    |     |     | 892 | G3VYT      |                    |
| 793 |          |     |     | 843 | VK6PG    |     |     | 893 | G2DX       |                    |
| 794 | VK4IV    |     |     | 844 |          |     |     | 894 | G3RHN      |                    |
| 795 | G5RV     |     |     | 845 | G3JFE    |     |     | 895 | G4ACT      |                    |
| 796 | G3ZKD    |     |     | 846 | NL       |     |     | 896 | NL         |                    |
| 797 |          |     |     | 847 |          |     |     | 897 | GW2RV      |                    |
| 798 | W9IWI    |     |     | 848 | NL       |     |     | 898 | G3VOO      |                    |
| 799 | GM4AEA   |     |     | 849 | G4AEJ    |     |     | 899 | G3LCK      |                    |
| 800 | NL       |     |     | 850 | NL       |     |     | 900 | SILENT KEY |                    |

NL = NOT LICENSED, BLANK SPACES = NUMBER NOT ISSUED.

NOTES:

| No. | CALLSIGN   | QSO | QSL | No. | CALLSIGN | QSO | QSL | No. | CALLSIGN | 901-999 |
|-----|------------|-----|-----|-----|----------|-----|-----|-----|----------|---------|
| 901 | G8GXE      |     |     | 934 | NL       |     |     | 967 |          | QSO QSL |
| 902 | G3WYN      |     |     | 935 | NL       |     |     | 968 |          |         |
| 903 | NL         |     |     | 936 | G8HID    |     |     | 969 |          |         |
| 904 | G3AEF      |     |     | 937 | NL       |     |     | 970 |          |         |
| 905 | DL4RI      |     |     | 938 | G3AFD    |     |     | 971 |          |         |
| 906 | GW4ANK     |     |     | 939 | G4AMX    |     |     | 972 |          |         |
| 907 | GM4BAF     |     |     | 940 | NL       |     |     | 973 |          |         |
| 908 | G4AXW      |     |     | 941 |          |     |     | 974 |          |         |
| 909 | G3VED      |     |     | 942 |          |     |     | 975 |          |         |
| 910 | NL         |     |     | 943 | G3ZMT    |     |     | 976 |          |         |
| 911 | G4AOE      |     |     | 944 | G3ZYE    |     |     | 977 |          |         |
| 912 | G4AXS      |     |     | 945 | NL       |     |     | 978 |          |         |
| 913 | GW3CVY     |     |     | 946 | NL       |     |     | 979 |          |         |
| 914 |            |     |     | 947 | G5NF     |     |     | 980 |          |         |
| 915 |            |     |     | 948 | NL       |     |     | 981 |          |         |
| 916 | NL         |     |     | 949 | GM3KNX   |     |     | 982 |          |         |
| 917 | G4AWS      |     |     | 950 | G3MAY    |     |     | 983 |          |         |
| 918 | NL         |     |     | 951 | NL       |     |     | 984 |          |         |
| 919 | NL         |     |     | 952 | G3VQF    |     |     | 985 |          |         |
| 920 | NL         |     |     | 953 | GI3NQH   |     |     | 986 |          |         |
| 921 | NL         |     |     | 954 | NL       |     |     | 987 |          |         |
| 922 | NL         |     |     | 955 | VK9CCC   |     |     | 988 |          |         |
| 923 | G3ULJ      |     |     | 956 | G5BM     |     |     | 989 |          |         |
| 924 | NL         |     |     | 957 | G4BIK    |     |     | 990 |          |         |
| 925 |            |     |     | 958 | NL       |     |     | 991 |          |         |
| 926 | NL         |     |     | 959 | G4BKX    |     |     | 992 |          |         |
| 927 | NL         |     |     | 960 | G3POC    |     |     | 993 |          |         |
| 928 | ZC4WW      |     |     | 961 | G2MI     |     |     | 994 |          |         |
| 929 | G3JAO      |     |     | 962 |          |     |     | 995 |          |         |
| 930 |            |     |     | 963 |          |     |     | 996 |          |         |
| 931 | NL         |     |     | 964 |          |     |     | 997 |          |         |
| 932 | G4ADT      |     |     | 965 |          |     |     | 998 |          |         |
| 933 | SILENT KEY |     |     | 966 |          |     |     | 999 |          |         |

NL = NOT LICENSED, BLANK SPACES = NUMBER NOT ISSUED.

#### NOTES:

NUMBER OF MEMBERS WORKED AND QSL'S RECEIVED : 001 002 003 004 005 006 007 008 009 010  
011 012 013 014 015 016 017 018 019 020 021 022 023 024 025 026 027 028 029 030 031 032 033 034 035  
036 037 038 039 040 041 042 043 044 045 046 047 048 049 050 051 052 053 054 055 056 057 058 059 060  
061 062 063 064 065 066 067 068 069 070 071 072 073 074 075 076 077 078 079 080 081 082 083 084 085  
086 087 088 089 090 091 092 093 094 095 096 097 098 099 100 101 102 103 104 105 106 107 108 109 110  
111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135  
136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160  
161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185  
186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210  
211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235  
236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260  
261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285  
286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310  
311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335  
336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360  
361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385  
386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410



| AFF | CALL-SIGN | QSO | QSL | AFF    | CALL-SIGN | QSO | QSL | AFF | CALL-SIGN | QSO | QSL |
|-----|-----------|-----|-----|--------|-----------|-----|-----|-----|-----------|-----|-----|
| 01  | DA2YY     |     | 19  |        |           |     |     | 37  |           |     |     |
| 02  | DL2VR     |     | 20  | VE3RCS |           |     |     | 38  |           |     |     |
| 03  | G3ZBX     |     | 21  |        |           |     |     | 39  |           |     |     |
| 04  | NL        |     | 22  |        |           |     |     | 40  |           |     |     |
| 05  | G3SIG     |     | 23  |        |           |     |     | 41  | VS6AC     |     |     |
| 06  | DL5YQ     |     | 24  | G3LUN  |           |     |     | 42  | G3VZQ     |     |     |
| 07  | G13PUE    |     | 25  |        |           |     |     | 43  | G3CIO     |     |     |
| 08  | G3XRS     |     | 26  |        |           |     |     | 44  |           |     |     |
| 09  | ZC4SS     |     | 27  | G3LPC  |           |     |     | 45  |           |     |     |
| 10  | G4ACF     |     | 28  |        |           |     |     | 46  | DA2YD     |     |     |
| 11  | G3HKR     |     | 29  | NL     |           |     |     | 47  | NL        |     |     |
| 12  |           |     | 30  | NL     |           |     |     | 48  | NL        |     |     |
| 13  | NL        |     | 31  |        |           |     |     | 49  | NL        |     |     |
| 14  | NL        |     | 32  |        |           |     |     | 50  | GI4BRJ    |     |     |
| 15  | G4CDH     |     | 33  |        |           |     |     | 51  | DA3XQ     |     |     |
| 16  | G4BZC     |     | 34  |        |           |     |     | 52  | NL        |     |     |
| 17  | NL        |     | 35  | NL     |           |     |     | 53  | SPECIAL   |     |     |
| 18  |           |     | 36  | GM3TLR |           |     |     |     | EVENTS    |     |     |

It is not known if all the above Clubs are active or even still in existence. A check is shortly to be made by HQ of all doubtful Affiliated Numbers and details will be given with a future "Mercury".

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#### RSARS AWARDS

The following are outline details of RSARS Awards requirements. Full details appear elsewhere or are available from RSARS Awards Manager.

|                                                 | Europe | Overseas | Remarks                                                                                                                |
|-------------------------------------------------|--------|----------|------------------------------------------------------------------------------------------------------------------------|
| a) Basic Certificate                            | 25     | 12 )     | Confirmation on any Band, any Mode.                                                                                    |
| b) First Class Certificate                      | 100    | 50 )     |                                                                                                                        |
| Sticker Increment                               | 200    | 100 )    |                                                                                                                        |
| Subsequent increments at the 50/25 points, i.e. | 250    | 125 )    |                                                                                                                        |
| c) CW Certificate                               | 25     | 12 )     | Confirmation on any Band, CW to CW.                                                                                    |
| Sticker increments at the 50/25 points upwards  |        | )        |                                                                                                                        |
| d) Special Award Plaque                         | 200    | 100 )    | Confirmations, any Band, Any Mode but 10% CW to CW QSOs and European Claimants must include At least 5% Overseas QSOs. |
| Bronze Clasp                                    | 300    | 150 )    |                                                                                                                        |
| Silver Clasp                                    | 400    | 200 )    |                                                                                                                        |
| e) VHF Certificate                              | 12     | )        | Confirmations, any Mode, For contacts on 70 MHz Or higher.                                                             |

QSL cards for contacts made are required. European members are those operating inside 'CQ' Zone 14. Overseas members are those operating anywhere outside Zone 14. For all Awards, except the VHF Certificate, a contact with G4RS, the RSARS HQ station, is mandatory. For an 'Official' QSO both stations must pass, UNASSISTED, Name, QTH, Report and RSARS Number. Contacts made during RSARS Net times count. All claims, etc., to RSARS AWARDS MANAGER, MAJOR (QM) R.A. WEBB, ROYAL SIGNALS, NETHERAVON AIRFIELD, NETHERAVON, WILTSHIRE.

## ROYAL SIGNALS AMATEUR RADIO SOCIETY STORES SECTION

- MEMBERS NOTEPAPER : Approximately 6½" x 8" good quality notepaper, headed "ROYAL SIGNALS AMATEUR RADIO SOCIETY, "MEMBERS CORRESPONDENCE" together with a figure of Mercury all in Blue. Also printed to take Call-sign and Number.
- MEMBERS QSL CARDS : All cards have a central figure of Mercury with "ROYAL SIGNALS AMATEUR RADIO SOCIETY" and "MEMBER STATION" printed in blue on the front, together with details printed on the reverse allowing the card to be used for a) A QSL for a QSO b) A SWL report and c) Acknowledgement of a SWL report. This is the Basic Card which can be overprinted by the Society in ONE of four colours (RED, BLACK, BLUE or GREEN) with your RSARS number, Call-sign (or SWL/BSR Number) and your name and address. Other printing on the cards subject to special agreement. PLEASE STATE WHICH COLOUR IS REQUIRED WHEN ORDERING. Failure to state colour will result in cards being printed in RED. Minimum order quantities : Basic = 100, Overprinted = 500.
- MEMBERS LAPEL BADGES : In Light Blue, Dark Blue and Green enamel with RSARS initials in Black across the centre of the conventional diamond shape. All badges are brooch fitting. Call-sign badges are similar but carry an attached scroll on which can be engraved your call-sign or RSARS Number.
- MEMBERS DYMO BADGES : Approximately 1¼" x 2¼" in white plastic with brooch fitting. Allows for two ½" rows of Dymo tape in the following colours: BLUE, BLACK, BROWN, GREY, GREEN, ORANGE, PURPLE, RED, YELLOW or WOOD GRAIN. Top and bottom rows can be similar or different colours. Badge is in white plastic with rounded corners. All lettering stands out in WHITE. Maximum letters/spacing per line is SIXTEEN. Hundreds of combinations, i.e. Call-sign/Name, Call-sign/QTH, Name/RSARS Number, Name/Jnr Op+call-sign, Name/XYL+call-sign, etc., etc.
- WINDSCREEN STICKERS : For front fixing on the inside of windscreens, windows, etc. Approximately 6" x 3" in Light Blue, Dark Blue and Green with RSARS initials across the centre.
- RSARS TIES : In good quality Crimplene and Terylene, in Dark Blue, with alternate angular rows of RSARS badges and figures of Mercury. Manufactured by a leading London Colour House, the design of this tie has been approved by the Royal Signals Institution.
- LOG BOOKS : By the RSGB. Good quality white paper, with over 100 pages. Also gives details of "Q" Codes, Reporting Codes, etc.
- RSARS BALL PENS : Blue ink ball pens inscribed ROYAL SIGNALS AMATEUR RADIO SOCIETY. With separate cap.

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### MEMBERS SUPPLIES

A new batch of Ties have just arrived at HQ. As soon as "Mercury" has been sent to members, all back-orders will be cleared and new orders can be accepted. New lapel badges (plain and call-sign) are still awaited and these will also be forwarded as soon as possible.



ROYAL SIGNALS AMATEUR RADIO SOCIETY  
\*\*\*\*\*  
STORES ORDER FORM  
\*\*\*\*\*

From : \_\_\_\_\_ Call-sign : \_\_\_\_\_ RSARS No. \_\_\_\_\_  
Please supply the following items :

| Qty. | Item                                                   | Price | Per  | Cost |
|------|--------------------------------------------------------|-------|------|------|
| —    | Sheets of Members Headed Notepaper                     | 50p   | 100  | —    |
| —    | Basic QSL Cards                                        | 60p   | 100  | —    |
| —    | Basic QSL Cards                                        | £2    | 500  | —    |
| —    | Overprinted QSL Cards (See below)                      | £3-25 | 500  | —    |
| —    |                                                        | £6-25 | 1000 | —    |
| —    | Plain Lapel Badges                                     | 14p   | each | —    |
| —    | Call-sign Lapel Badges (Engraved _____)                | 45p   | each | —    |
| —    | Society Tie(s)                                         | £1-35 | each | —    |
| —    | Log Books                                              | 50p   | each | —    |
| —    | RSARS Ball Pens                                        | 3p    | each | —    |
| —    | Dymo Lapel Badges (1 = 13p, 2 = 23p, 4 = 33p, 4 = 43p) |       |      | —    |
| —    | (See below)                                            |       |      | —    |
| —    | Windscreen Stickers (1 = 23p, 2 = 44p)                 |       |      | —    |

Total cost : \_\_\_\_\_

All Post Free. Overprint colours for QSL cards are RED, BLUE, BLACK or GREEN. Normal QSL card overprint consists of RSARS No., CALL-SIGN or RSARS/SWL No., NAME and ADDRESS. Additional overprint subject to agreement and possible extra cost. Where no colour is stated on order form overprinting will be carried out in RED.

Dymo Lapel Badges are two-row and tape colours are RED, BLACK, GREEN, ORANGE, BLUE, PURPLE, YELLOW or WOOD GRAIN and where no tape colour is given on order form, BLACK will be used. All letters stand out in WHITE. Maximum letters/spaces per row is SIXTEEN. PLEASE COMPLETE THE FOLLOWING IN BLOCK LETTERS OR BY TYPEWRITING.

QSL CARDS : RSARS No. : \_\_\_\_\_ CALL-SIGN OR SWL No. : \_\_\_\_\_  
NAME (As it will appear on the card) : \_\_\_\_\_  
ADDRESS (As it will appear on the card) : \_\_\_\_\_

Post Code : \_\_\_\_\_

COLOUR : \_\_\_\_\_

DYMO BADGES : Top Line : Colour : \_\_\_\_\_ Wording : \_\_\_\_\_  
Bottom Line : Colour : \_\_\_\_\_ Wording : \_\_\_\_\_

I enclose Cheque/Postal Order/Money Order/Cash to cover total amount. (Cash should be Registered and Cheques, etc., made payable to "THE ROYAL SIGNALS AMATEUR RADIO SOCIETY" and NOT to individuals).

Date : \_\_\_\_\_ Signature : \_\_\_\_\_

\*\*\*\*\*TEAR HERE\*\*\*\*\*TEAR HERE\*\*\*\*\*TEAR HERE\*\*\*\*\*

NOTE! : As at 1st October 1973 prices have been slightly increased to take care of general price increases, VAT, etc., Also Ties and Badges are on order from the suppliers. Members orders will be fulfilled as soon as supplies arrive. Your Council apologies for any inconvenience or delay. SUPPORT YOUR SOCIETY - THE ROYAL SIGNALS AMATEUR RADIO SOCIETY.

Please pass to a friend who is eligible and interested.

**ROYAL SIGNALS AMATEUR RADIO SOCIETY**

**APPLICATION FOR MEMBERSHIP**

I wish to apply for membership of the ROYAL SIGNALS AMATEUR RADIO SOCIETY, and, if elected, agree to abide by the Rules of the Society as published and/or amended. I understand that, if elected as an Annual Member, membership fees are due on joining and thereafter on the 1st January each year, except in the case of members joining on or after 1st September when Annual Membership is free for the remainder of that year providing fees are paid for the following year. I also understand that it is necessary to have paid three consecutive years Annual Membership fees before I qualify for Life Membership, and that membership fees are:

Annual Membership : 50 Pence per Annum  
Life Membership : £5-0-0 (after 3 years consecutive Annual fees have been paid).  
Club Affiliation : As for Annual and Life Membership.

I enclose Cheque/Giro/Postal Order/ Money Order (\*) (Cheques and Postal Orders crossed and cash registered, please) to the value of £ - - pence in respect of Annual Membership/Affiliation (\*). Please make all monies payable to "THE ROYAL SIGNALS AMATEUR RADIO SOCIETY" and NOT to individuals. The Society reserves the right to refuse membership according to Rule and to publish details of members unless the member expressly wishes otherwise.

I DO/DO NOT (\*) OBJECT TO MY DETAILS BEING PUBLISHED BY THE SOCIETY.  
(Failure to delete will be taken as the applicant having NO OBJECTION).

\*\*\*\*\*  
PLEASE GIVE DETAILS OF YOUR SERVICE/QUALIFYING CONNECTIONS ON THE REVERSE  
OF THIS FORM TOGETHER WITH ANY RADIO DETAILS OF INTEREST TO OTHER MEMBERS  
\*\*\*\*\*

Rank (if any): \_\_\_\_\_ Surname \_\_\_\_\_ Forename(s) \_\_\_\_\_

Call-sign or SWL No. \_\_\_\_\_ Other calls held \_\_\_\_\_

Address for correspondence \_\_\_\_\_

(\* = delete as necessary)

Post Code \_\_\_\_\_

Date : \_\_\_\_\_ Signature : \_\_\_\_\_

Other Clubs, Societies or Professional Bodies to which you belong \_\_\_\_\_

\*\*\*\*\*  
Membership if approved, becomes effective from the 1<sup>st</sup> of the month in which application is made.  
When completed, please return this form, with membership fees to:-

THE GENERAL SECRETARY, ROYAL SIGNALS AMATEUR RADIO SOCIETY, SCHOOL  
OF SIGNALS, BLANDFORD CAMP, BLANDFORD FORUM, DORSET, DT11 8RH

\*\*\*\*\*  
For Office use :

Received : \_\_\_\_\_ Intro by : \_\_\_\_\_ Checked : \_\_\_\_\_ Treasurer : \_\_\_\_\_

Card : \_\_\_\_\_ Computer : \_\_\_\_\_ Mercury : \_\_\_\_\_ Despatched : \_\_\_\_\_ No : \_\_\_\_\_

Details published in : \_\_\_\_\_ Awards : \_\_\_\_\_ QSL Bureau : \_\_\_\_\_ Nets : \_\_\_\_\_

\*\*\*\*\*

### STANDING ORDER

To : \_\_\_\_\_ Bank Ltd/GIRO. Date : \_\_\_\_/\_\_\_\_/19\_\_\_\_  
\_\_\_\_\_  
Branch

Please make payment, and debit to my Account No. :

In accordance with the following details. (I understand that charges at the rate of TEN PENCE will be deducted from my Account\*\*) )

TO : Midland Bank Limited.  
BRANCH : Blandford Forum, Dorset.  
CODE NUMBER : 40-12-18.  
FOR ACCOUNT OF : Royal Signals Amateur Radio Society.  
ACCOUNT NUMBER : 00713309.  
REFERENCE NUMBER : \_\_\_\_\_ (Insert your RSARS Number here).  
AMOUNT : £- 50p (FIFTY PENCE)  
DATE PAYABLE : 2nd January annually.  
FIRST PAYMENT : 2nd January.  
LAST PAYMENT : UNTIL FURTHER NOTICE.

It is important that the REFERENCE NUMBER is quoted when payments are made  
\*\*\*\*\*

\_\_\_\_\_  
(Signed)

Name (In BLOCK letters) \_\_\_\_\_

(\*\* = Delete if NOT using the Post Office Savings Bank)

\_\_\_\_\_ Cut here \_\_\_\_\_ Cut here \_\_\_\_\_ Cut here \_\_\_\_\_

To : The Treasurer  
Royal Signals Amateur Radio Society  
School of Signals  
Blandford Camp  
BLANDFORD FORUM  
Dorset  
DT11 8RH

From : \_\_\_\_\_ Call-sign \_\_\_\_\_ RSARS No. \_\_\_\_\_

My RSARS membership subscription will be paid, with effect from 2nd January 19\_\_\_\_, by Standing Order on :

\_\_\_\_\_ Bank Ltd/GIRO  
\_\_\_\_\_ Branch

Please detach and send to the Treasurer.

RSARS SO/27/73

\_\_\_\_\_

## ROYAL SIGNALS AMATEUR RADIO SOCIETY NETS.

### REGULAR NETS AND SCHEDULES.

|           |            |                 |       |                |
|-----------|------------|-----------------|-------|----------------|
| MONDAY    | 1315 Local | 3720 or + KHz   | Phone | Natter Net     |
| TUESDAY   | 1315 Local | 3720 or + KHz   | Phone | Natter Net     |
| TUESDAY   | 2000 Local | 3720 or + KHz   | Phone | Controlled Net |
| WEDNESDAY | 1315 Local | 3720 or + KHz   | Phone | Natter Net     |
| THURSDAY  | 1315 Local | 3720 or + KHz   | Phone | Natter Net     |
| THURSDAY  | 2000 Local | 3720 or + KHz   | Phone | Controlled Net |
| FRIDAY    | 1315 Local | 3720 or + KHz   | Phone | Natter Net     |
| SATURDAY  | 1030 Local | 7075 + or - KHz | Phone | Natter Net     |
| SUNDAY    | 1030 Local | 3720 or + KHz   | Phone | Natter Net     |

### HF PHONE.

WEDNESDAY 1400 Local 14175 +or - KHz Phone Controlled/Natter Net (\*)

No other HF Nets organised at present (although it is hoped to have a Western Hemisphere Net operational in the near future). Calling and listening frequencies are:-

7075, 14175, 14275, 21375, 28575

Call "CQ RSARS" particularly "on the hour" GMT.

### HF CW.

No organised HF CW Nets at present, but suggested frequencies are:-

7025, 14075, 21075, 28075 KHz

### LF CW.

WEDNESDAY 2000 Local 3575 +or - KHz CW Controlled Net

### VHF PHONE.

TUESDAY Between 1900 and 2000 Local 70-22MHz.

MONDAY Between 1900 and 2000 Local 144-340MHz.

Call "CQ RSARS"

### VHF CW.

No organised VHF CW Nets at present. Suggestions welcome from VHF CW members.

(\*) This Net normally controlled by 9H1BX due to skip conditions between 'G' stations.

This Net sometimes moves to 14275 KHz later in the afternoon.

### NET CONTROLS.

In the absence of an Approved RSARS Net Control Station, any member may act as Net Control. Control should be handed over when an approved Net Control Station joins the Net. Present RSARS Approved Net Control Stations are:-

LF Phone: GW3ASW. HF Phone: 9H1BX LF CW: G3SIG (G3XTL Op.)

Western Hemisphere Net: Not yet appointed. Far East Net: Not yet appointed.

Details of other RSARS Nets, either LF, HF or VHF in particular area, especially overseas, would be welcome at HQ. Remember, it only requires TWO stations in order to start a Net. If you are in the habit of regularly contacting another member and would have no objections to other members joining in, let HQ know and we will publish details in "Mercury".

### JOINING THE NETS.

All stations are welcome to join an RSARS Net. Remember one or two basic points and life is made a lot easier. ALWAYS ZERO-BEAT THE CONTROL STATION. This is particularly important on the CW Net where, if all stations are zero-beat, the Selectivity controls can be 'screwed-down' which helps overcome the QRM. If the Net is controlled, wait until 'breakers' are called for, then come in with your call-sign (and RSARS Number, if it is your first 'visit'). Control will acknowledge your call and place you "on the list". Whichever Net you join, PLEASE DO NOT WASTE TIME, but you MUST GIVE UNASSISTED your Name, Number QTH, and Report 'Natter' please QSY from the Net frequency (with Controls permission) and rejoin later. Good Luck, and CU on the Net.