

## **SURREY RADIO CONTACT CLUB**

# 87th Anniversary Year - Founded 1935 SEPTEMBER 2022 - No 961

**SRCC** supports the RSGB Child Protection Policy

General Club Business:

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Honorary Secretary & Editor

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MONTHLY MEETINGS NORMALLY ON 1st AND 3rd MONDAYS 7.30 FOR 7.45pm

Meetings at Trinity School, Shirley Park, Croydon CR9 7AT

1st MEETING Monday 5<sup>th</sup> September: Vintage Radios by Steve G3ZPS 2nd MEETING Monday 19<sup>th</sup> September: Fix-it, Move-it-on and Social Chat with John G8MNY

#### SRCC COMMITTEE 2022/23

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Hon. Secretary & Newsletter Editor	G3WRR Quin Collier	020 8653 6948
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Committee Member (Co-opted)	G7RUX Jason Gardner	07515 357630

#### **EDITOR'S OPENER**

Dear Members & Friends, welcome to the September 2022 SRCC Newsletter.

Firstly, a piece of very sad news. I have recently heard that Doris, the wife of our fellow member Jim Lugsden M0JFL, has died. I am sure we all offer Jim and his family our condolences and will be pleased to offer him any support he may need.

Next, a correction! Pat G4FDN has advised me that the writeup in last month's Newsletter of his February talk on Holidaying with Radio in Ireland contained an error. The writeup referred to County Donegal as being in Northern Ireland. This is incorrect – Donegal is in fact part of the Republic of Ireland (RoI). The error arose because of my erroneous assumption that Ulster and

Northern Ireland were one and the same. That is wrong – there are nine counties in Ulster and only six of them are part of Northern Ireland. Mea culpa . For those with an interest in geography Ulster consists of the following counties: Antrim, Armagh, Cavan, Donegal, Down, Fermanagh, Londonderry, Monaghan & Tyrone. Of these Antrim, Armagh, Down, Fermanagh, Londonderry & Tyrone (hence the occasional use of the term "the six counties" to refer to Northern Ireland) are part of the United Kingdom: Cavan, Donegal and Monaghan are part of the Republic of Ireland.

In the "Editor's Opener" item last month I commented on the fact that I would be involved on three different portable events within an eight-week period. I'm glad to say that those are now past and having survived them, I was able to go away for ten days holiday in Devon with my son and elder granddaughter – and no amateur radio gear in sight! An excellent and most welcome break, but a bit on the hot side for my taste..... But some people never seem to learn, and while on the Isle of Wight for the IOTA contest Alun G4WGE and I ended up volunteering to go out with Mike G3VYI and the Addiscombe ARC crew in SSB Field Day during the first weekend in September. (There are no AARC members in the Addiscombe area now, but that's another story...). But this time the journey isn't so long (only down to Bignor in West Sussex) and we will not be stopping the whole weekend – only long enough to help them set up, scrounge a cup of tea and see a few contacts made before baling out, although this may be an opportunity to go on a bit further and inspect a couple of portables on behalf of the Contest Support Committee. And for me that's definitely the last portable outing of the year!

So now on to the bits you might actually want to read....

73, Quin G3WRR - SRCC Secretary / Newsletter Editor

#### **PREVIOUS MEETINGS**

As advised by e-mail and in the June Newsletter, this year's summer al fresco social gathering had to be cancelled. These events have not been that well supported over the last couple of years, and the Committee is interested in the views of the membership on such issues as what format they should take (e.g. with or without food), when they should take place (e.g. Monday evening or daytime), or indeed whether there is an interest in holding them at all. So please have a think about this and let the Committee know (either by e-mail or face to face at one of the meetings) what you think!

However, the B meeting on 15<sup>th</sup> August was well attended and, in addition to providing the opportunity for members to bring items along for testing with John G8MNY's extensive range of test gear, allowed those attending to catch up with what other members had been doing.

#### **FUTURE MEETINGS**

<u>September A meeting (5<sup>th</sup> September)</u> This will be a talk on "Vintage Radios" by Steve G3ZPS and will cover rigs (particularly those of the KW Electronics marque I believe) from the 1960s and 1970s – and it is believed that some samples will be brought along.

October A meeting (3<sup>rd</sup> October) This will be a Surplus Equipment Sale – a chance to demonstrate your green credentials by bringing some of your unused gear along for sale – and also cash to buy some new treasures which you will be able to re-sell at future sales....

<u>November A meeting (7<sup>th</sup> November)</u> This will be the annual Construction Contest. There will be prizes of real money (none of this Bitcoin stuff) for the winning entries – so why not get the thinking cap on and the soldering iron out?

December A meeting (12<sup>th</sup> December) Please note that this is the **second** Monday of the month rather than the first. This will the annual (although the first one since 2019 due to COVID) Inter Club Quiz, which will this year be hosted by Sutton & Cheam RS – hence the (for SRCC) non-standard date. It will be held at a Scout Hall in Banstead – further details on location will be provided in due course. Traditionally this has been a three-way junket between SRCC, S&CRS and CATS. However, Chris M0TCH (the S&CRS "link man") is intending to invite the Dorking and Crystal Palace clubs along as well which should add to the fun. Clubs have fielded more than one team (of 4/5 members) in the past so why not have a talk to some of your fellow members so that SRCC can enter two (or more...) teams? Chris has asked for likely number of attendees by the end of October so I will be seeking inputs a bit nearer the date.

B meetings will, unless advised otherwise, be held on the third Monday of the month and will consist of the usual Fix-it, Move-it-on and Social Chat with John G8MNY and his test equipment. In fact, the December B meeting will be an instance of "unless advised otherwise". Although it will be held on the third Monday (19<sup>th</sup> December) it will be the usual pre-Christmas Social with light refreshments, soft drinks and mince pies – plus Dyson to clear up the crumbs afterwards. After last year's experiment of adding custard to the party (for the mince pies), further avant garde culinary experiments are being considered for 2022....

#### **VHF NFD RESULTS**

A brief summary of VHF NFD was included in the August Newsletter. As stated there, it was largely "business as usual" although resources were rather scarcer than in recent years. Once things were set up and running, they ran pretty smoothly. However, a number of problems were encountered with the 6m & 2m aerials during the setup phase involving trips off site to collect replacements. As a result, the 6m station was not on the air until just short of three hours after the start - a significant loss as the duration of the 6m session is only eight hours. A number of lessons have been learnt for 2023....

Overall North East Surrey Contest Group (NESCG) gained 6<sup>th</sup> position out of 13 entrants in the Restricted section (for stations using a maximum transmit power of 100W to a single antenna at a height of no more than 10m). Our score was 1601 normalised points compared with the section winner's score of 3874. Individual band information is tabulated below:

BAND	CALL	NORMALISED POINTS	POSITION	QSOs	BEST DX (km)
6m	G3WRR/P	287	11/17	38	525
4m	G3WRR/P	466	8/18	39	651
2m	G0SAC/P	369	6/14	151	667
70cm	G3SRC/P	479	5/15	82	648

More detailed information is available at https://www.rsgbcc.org/cgi-

<u>bin/vhfresults.pl?Contest=VHF%20NFD&year=2022</u>. This is a slightly disappointing result (and the 4m problems certainly contributed to it), but with the current points per kilometre based scoring system stations near the centres of population will always be at a disadvantage compared with those further away from them. But nil desperandum – we are beginning to think about the

possibility of using 23cm rather than 6m or 4m next year...so watch this space!

#### **Quin G3WRR**

## **GX3WIM WIMBLEDON & DISTRICT ARS SUMMER CAMP 2022 by G8MNY**

A lot of my kit needed a good check over before carefully packing my 25 year old Van with the 1.3 tonnes of kit for 1 week. I did take less kit this time although it did not seem like it.

I got there at 08:00 on the Saturday as usual, a hot dry morning. Andrew G4ADM had already been busy Friday & set his up newish caravan, new diesel 5kW genny & Lee M7THX his big camper van. So, with Lee's help I got on with sizing up the exact parking spot needed, by laying out the 80m dipole & mast rotator cable, then levelled up the van in position. Unpacked & assembled the aerial poles for the 40ft mast, put it up with no aerials as a test - lifted OK. I then spent the next two hours putting together the three aerials - an uprated Mosley TA33 HF tribander, a 6el 6m beam, with UR67, & a VHF triband V2000 colinear with WF103 coax. These were then all RF tested on the ground with MFJ analyser. Steve M0PEL turned up early AM so the 42ft mast went up easily with my 30ft gin pole. Then the aerials were tested again before the mast was lifted onto the rotator & direction calibrated. Then the tree sky hooks were sorted out and the three wire aerials (40m dipole, 80m dipole & inverted L - nearly 160m half wave) plus Union Jack were attached to the two mast halyards and pulled up.

The shack (a van side tent) was assembled & attached, the two carpets laid, the heavy 120AH 12V battery for the PA put in and the operating table placed in position. Once the first level of ham kit was wired up (6m FT690R rig, BHI speaker & pre-driver PA (I did not wire up the 400W 6m valve PA this time), 12V HF PA & PSUs, IC735 & small ATU, auto-caller, BHI speaker, RX Suck out trap in case of second on site TX). The shelf then went in with a bendy Lamp LS, ATU, & Rotator controller. The cooking tables stack was put in place with its minimum shack footprint. At the rear of the van was my 2.5W 2m packet system running into van's passenger side 7/8 wave, & I was able to send my daily packet bulletins. In addition, the 4m Ascom rig to end fed 1/2 wave @ 27ft went beside the van. All the Sunday nets went well with really low noise floor.

At 19:30 I started preparing a well-deserved evening dinner after the exhausting day. Then some LF & HF working, then VHF FM 3 band shack set up with Kenwood TM731E rig in the centre of my van, TS700 & 12V 200W PA. Then at last set up my bed too!

Steve M0PEL & Chris G0KPU wanted the 2m beam set up for Tuesday evening's contest so on Monday we put up my 54ft telescoping mast empty OK & then with 9el (SWR tested before erecting) but had some stringy issues as usual when it went up. The aerial was RF tested once in the air again and the 12V rotator direction calibrated. For the 2m SSB contest Chris G0KPU & his laptop sat in the middle of the van with Steve M0PEL operating from the bench seat. They made 39 QSOs - best DX GM.

I planned to use 3 petrol generators - a small 500W 4 stroke Honda, a 1kW 4 stroke & my old 2.3kW 4 stroke. But Andrew's new diesel that he moved with an engine hoist, worked just fine producing good mains on the farmer's pink fuel. However, it did need its first oil change on site.

Steve, Damien 2E0EUI & Kim G6JXA, camped most nights, & even Graham G4WNT camped one night too. Eric G0KRT visited 2 days. As usual the site's HF noise floor was very low & a pre-amp could be used on 80m to give only S1-2 level!

WX was warm to hot, refreshingly windy, just the odd dampness that really did nothing. Several solar heated showers got used, mine was scalding hot! I left the site by 19:30 Sunday - no farmer's tow needed this year - after an exhausting & long van pack in the heat, & at home had a well needed bath!

Operating was done by G8MNY, G6JXA, M0PEL, 2E0EUI, G4ADM, G0KRT, G4WNT, G0KPU, M7LEN, G0IIP, G0PAR, G7CRQ, G7OBF & M7THX often till 02:00hrs!

In all there were 15 members (were members or camped before) & 19 visitors several who tried /P operating with their own kit, but this was risky with several watts on Rx aerials!

With our QRO & special event club call, long pile ups are normal, most nights were good for stateside on 20m up to 4am until no one could stay awake.

#### From the logs...

160m with 30W/400W had 17 contacts with DX: GW, Fs, DLs, PA & IZs

80m with 400W saw 64 with DX: DL F GW LA PA OK

40m saw 92 DX: DL F EI GI GM GW HB9 I ON PA SM SP TF

20m saw 210 DX: 6Y 9H A CT D EA EI ES F GI GM HP I K LA N OE OK OM OZ PA PY SA R SM SP SQ SV TF TG W WP VA VE VK VP VY YO Y8 YV

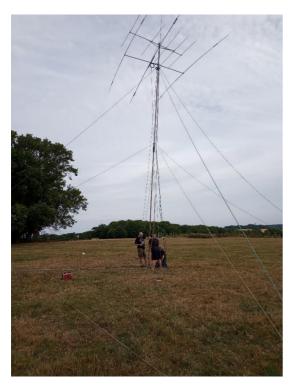
15m saw no QSOs

10m saw 90 DX: CT D EP ER EU GM HF I LA OE OH OK OZ QH R SA SQ S5 SM SP SQ UT YL YO YT YU

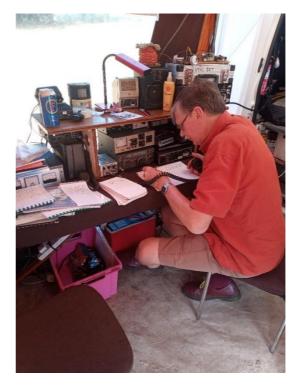
6m with 50W we had 20 contacts 2 sporadic E events DX: 9A EA HA I OK TM YO YU 4m with 25W end fed dipole @ 8m saw 1 QSO.

2m with 40W FM to colinear @14m/200W SSB to 9el @ 54' saw 24 G QSOs.

70cm saw no QSOs. 73 de John G8MNY



**BEAM UPPING AT WIMBLEDON CAMP** 



**DAVID GOPAR OPERATING GX3WIM** 

#### **IOTA CONTEST 2022**

The IOTA (Islands On The Air) contest is based on the long standing IOTA award scheme now administered by the RSGB. In the latter, islands – and the definition of what constitutes an island in this context is complex and has led to some stormy debates – are assigned five character codes (mainland Great Britain, for instance, is EU005) and certificates are awarded for having contacts with different numbers of island codes. The contest takes this a stage further and allows entrants (island or otherwise) to make contacts in the usual way, but with a scoring system which emphasises the island focus. Contacts made with IOTA island stations score at least five times as much as those with non-island stations: and the benefit of working island stations is further reinforced by making the different number of island codes worked act as a score multiplier. For this reason island stations are in considerable demand, and every year a surprising number of stations travel to exotic (and sometimes less exotic) islands to take part. One of the less exotic (but nonetheless charming) islands is the Isle of Wight, which counts as EU120 (English Coastal Islands).

For quite a few years a small group of us – attendees differ from year to year but the core group consists of Mike G3VYI plus SRCC members Alun G4WGE and myself - have taken part from the Isle of Wight where we have access to a well performing site on the top of the cliffs on the South West facing side of the island. This year we were not able to use our usual multi-room (kitchen / living room / bathroom / two bedrooms) chalet as it had been reallocated at the last minute to an elderly disabled couple whose IoW cottage had just burnt down! But Charlotte and Dave who run the place had made alternative arrangements for us, with one single room chalet as shack and another at the other end of the site for accommodation. This worked very well – until I came off shift at about 1am on Sunday and had to find my way across the site in total – and I really mean total - darkness without a torch! A journey that would have taken about 3 minutes in daylight took me about 20 minutes blundering around the site….

Anyhow, Alun and I travelled over on the (very expensive) ferry from Portsmouth to Fishbourne on the Friday morning where we met Mike, his wife Hilary and dog Pisky (who had gone across in their campervan the previous day) on site at about 1pm. After tea and a chat we put up the antennas. We had decided to enter the multi-2 section (which lets you have two stations running concurrently using the same callsign) and decided that one station would operate on 80m, 20m and 10m and the other on 40m & 15m. Accordingly we used two masts and antennas – one a fan dipole for 80m, 20m and 10m, the other a 40m dipole for 40m and (as three half-wavelengths) on 15m. Both were set up as inverted Vs and were mounted on Alun's concentric section aluminium masts. Unfortunately a re-routing of the coastal path to cope with cliff collapse meant that we could no longer use a bit of isolated waste ground for one of the masts, with the result that the two were a bit closer together than in earlier years. This meant that the two rigs (Elecraft K3 and K3S) which had previously been bomb-proof suffered a bit from mutual QRM – but nothing insurmountable. Also a middle aged couple had pitched a tent slightly closer to one of the masts than desirable (although we positioned the mast so that if it came down it would miss them) – but when we went over to apologise the lady told us that her late father had been (I think) G3LKY so she was quite used to such things! The match on the antennas on all five bands was not ideal – but good enough for the internal ATUs to cope with it so no external ATUS were needed which was rather convenient. All the antennas were up by Friday evening so we went into Brighstone village for a meal in the Three Bishops pub.

Setup of gear was quite straightforward as we have done it often enough before – but does require you to get the rigs to talk to their associated computers, and to network the two computers so that a consistent log is maintained, and to provide access to the DX Cluster. It is also important to make sure that both computers are using the same version of the countries list and logging

software (we used N1MM+, with apologies to Peter G3ZPB and the Minos team) otherwise each computer spends most of its time telling the other one that it's using the wrong version! And getting the pre-recorded messages consistent is important too or you have to remember that the function keys do different things according to which rig you are using - which can be tricky in the dead of night.... But it was all sorted and good to go before the start at 1200 UTC.

A description of the detail of the event itself would not make interesting reading. Memories of it are a slightly surreal melange of trivia: eating, drinking tea, operating, dozing, chatting, relaxing, operating again, sleeping, that feeling of "why on earth am I doing this?", etc. Most people who have done any contest operating will recognise these. However, an overview of the outcome may be more interesting - so to summarise:

- 1389 contacts made
- 76 DXCCs, covering all continents except Antarctica, worked
- 85% of contacts with Europe, 9% with North America and less than 3% for each of the other continents
- 81% CW, 19% SSB (rules do not include FT8 ©)
- percentage distribution of contacts as follows:
  - o 80m 13%
  - o 40m 33%
  - o 20m 27%
  - o 15m 17%
  - o 10m 10%
- time distribution of contacts pretty much as expected but:
  - o 80m & 40m largely open hours of darkness
  - o 20m open for nearly the whole 24 hours, though slow between 2200 & 0400
  - 15m & 10m largely open during daylight hours with 10m active in bursts (and seeming to demonstrate the principle that the band is open more than people realise, with activity begetting activity)
- results are not yet available there were 2286 entries so this takes a while...

Takedown was straightforward and we were able to get an earlier ferry back to Portsmouth than expected. I was home by about 8.30pm so just time for a takeaway pizza, bath and bed. The car remained unpacked until Monday morning. We expect to be back next year, and ideas include (a) use of a beam (question – how to get one across on the ferry?!), and (b) headphones that block external sound – with both stations on SSB it was chaos at times!



(L to R) Hilary (Mrs. G3VYI), Quin G3WRR, Alun G4WGE and Mike G3VYI



ANTENNAS AT G4ALE/P Centre – FAN DIPOLE FOR 80/20/10m, Right – 40m DIPOLE FOR 40/15m



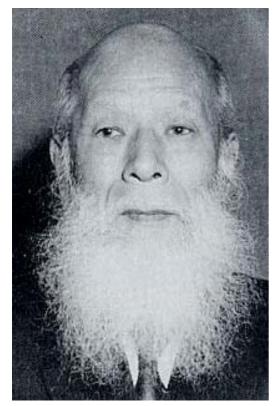
MIKE G3VYI OPERATING THE 80/20/10m STATION

73, Quin G3WRR

#### **HERE AND THERE**



Readers may remember an article by Steve G4FYF in the May 2022 Newsletter on the Murphy B40 receiver used by the Royal Navy. I was interested to receive the attached picture from Steve which he had received from an ex-RN chum showing a whole clutch of them. It's not clear whether the guy in the picture is Steve's chum himself, but he certainly has an intense expression on his face: Perhaps he's thinking "I hope this lot doesn't fall off into my lap...".



We are all familiar with the term "Yagi" for the beam antenna that we commonly use. Strictly the correct term is the Yagi-Uda antenna. It was invented in 1926, and sources differ as to whether Hidetsugu Yagi or Shintaro Uda (Yagi's professor at Tohoku University) should really get the credit owing to the fact that Yagi was the first to present the details in English! And to confuse the issue further, apparently the name should properly be pronounced "Yangi". Be that as it may, you may be interested to see this picture of Yagi San. Perhaps he was too busy thinking about antennas to shave the morning this photograph was taken.

(Thanks to Wikipedia for the information and picture – always a reliable source for obscure but interesting information!)

Last month's Newsletter referred to the fact that Pat G4FDN would be travelling to Ireland again for his family summer holiday. While over there he has been running a net to make contacts back into England and the term "Patnet" has been used to refer to it. One of the UK attenders is Adam G7CRQ and the following link to Youtube shows taking part in the net bicycle mobile! Well worth a look...https://www.youtube.com/watch?v=2rSn25CvDhI

#### SRCC LEAGUE TABLE - JULY 2022

The number of entries received for the July 2022 League Table was seven – one down on June, as one of the usual suspects was unable to submit an entry this time. Overall scores were well down on last month, with average score per entrant for July being less than half that of June. Three factors may be contributing to this: firstly, the contrast between July's 6m conditions, which probably reflect the approaching end of the of the 2022 sporadic E season, and the excellent ones experienced in June: secondly the fact that HF conditions are often rather flat in the summer: and thirdly, the attractions of the holiday season may have focussed attention elsewhere.... This explanation seems to fit the facts but that doesn't mean it's right....

Looking at the monthly scores, Ray G4FFY, Colin G4LZE, Ted G3EUE and Rick M0LEP maintain their first, third, fifth and seventh positions, with Quin G3WRR moving up six places to second, Steve G4FYF moving up two places to fourth and Peter G3ZPB moving down two places to sixth.

ENTRANT	WORKED DXCC / SQUARE	WORKED SRCC MEMBER	WORKED IN CONTEST	POINTS THIS MONTH
G4FFY	84	4	33	205
G3WRR	16		16	48
G4FYF	21	1		44
G4LZE	13		13	39
G3EUE	15		4	34
G3ZPB	9	2	10	32
M0LEP	1	3		8

After Ray's barnstorming performance on 6m in June, his July activity on the band was a little more restrained but he nevertheless managed twenty scoring big squares in twelve DXCCs, including 7X (Algeria). His best DX was into KN23 square (Bulgaria) at 2023 km. He worked a further six big squares in five DXCCs on 70cm. 75% were made using FT8 with the rest (in the 6m & 70cm UKACs) using SSB. On HF he worked 58 scoring DXCCs in all continents except Antarctica. Just under half were in Europe, followed in descending order by Asia, North America, South America, Oceania and Africa. 20m was dominant, but all bands between 40m & 10m with the exception of 30m and 12m, contributed. All but one (on SSB) were made using FT4 or FT8. One really rare one was 3D2 (Fiji) using 17m FT8 – nice one Ray – I don't think I've ever even heard one! Despite the fact that he is the leading entrant for July, Ray notes his amateur radio activity was down due to that Dog Activity outings.

Quin's scoring contacts were all made during VHF NFD on 6m & 4m and, with the exception of four CW QSOs, were all made using SSB. A total of 16 big squares were worked, all within the UK with the exception of EI (Irish Republic). No sporadic E was worked or heard. Best DX worked on 6m was a GI in IO74 at 525km, and on 4m a GM in IO86 at 626km.

Steve notes that he is back on air with a re-sited telescopic aluminium pole replacing old wooden mast giving improved elevation. His G5RV now runs horizontal, its slotted feeder hangs vertically and there are no more no more dangly ends. The proof of the pudding is in the eating and in addition to "usual European stuff", it has gained him decent reports from USA/Canada which has not happened for a while.



He also mentions that a surprise followed a random CQ: he was called by JX/LA4MI – a prefix he didn't recognise but which turned out to be Jan Mayen island, a tiny volcanic island off the northwest coast of Iceland in the Arctic Ocean, and part or Norway. Its currency is the Norwegian Krone – but since it has no permanent population that bit of knowledge is probably of little use. (but worth remembering for the inter-club quiz perhaps?) Here is a copy of the e-QSL he received.

Colin's scoring contacts were all made in the RSGB FT4 contest and were with one exception (Asian) all with European stations. 77% were on 40m and the rest on 20m.

Ted's contacts were as usual all made on CW and took place on the 30m, 20m, 17m, 15m & 12m bands.

Most of Peter's scoring contacts were made using 70cm FT8 contest and included two SRCC members.

Rick was at the time of submitting his entry back in Kenya in what he describes as a "plague household" after catching COVID (probably at Heathrow on the way out).and although he has got his 5Z4 licence through has had little time for antenna upping. He nevertheless managed a number of QSOs, which he describes as "a couple of Club Nets and not much else - doesn't even scrape two digits, but at least it's not a Norway Null Points".

As expected this far through the year, positional changes in the cumulative annual listing are limited, with small changes at the lower end of the table. The top five entrants retain their June positions, with Rick M0LEP and G3WRR exchanging positions six and seven and likewise G3SRC and G3EUE at eighth and ninth.

ENTRANT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	тот
G4FFY	166	153	207	164	252	536	205						1683
M0CGF	102	87	108	86	194	424	0						999
G3ZPB	90	123	0	31	54	46	32						376
G4LZE	0	73	42	0	84	51	39						289
G4FYF	36	42	68	36	32	16	44						274
G3WRR	0	66	60	0	0	4	48						178
MOLEP	18	26	20	34	52	14	8						172
G3EUE	22	0	0	0	0	27	34						83
G3SRC	66	15	0	0	0	0	0						81

As noted above, the summer 6m season appears to be drawing to a close, but on HF the improved SFI, although distinctly volatile on a day-to-day basis, continues to be on an upward trend. But let's not get complacent and as noted last month "make hay while the sun shines" – although at the time of writing it is raining quite hard (and very welcome) here at Mission Control Norwood!

## 73, Quin G3WRR - SRCC Leaguemeister

#### **SRCC NETS**

The following is a list of structured nets on which members of SRCC meet regularly. They are sometimes joined by members of other local clubs, who are always made most welcome. The net is not usually led by a nominated controller, but stations normally transmit cyclically in the chronological order in which they sign in. If any member wishes further occasions and frequencies to be added to the table, please let me know at <a href="mailto:q.c.ollier@btinternet.com">q.g.collier@btinternet.com</a>.

BAND/FREQUENCY/MODE	DAY OF WEEK	START TIME (clock)
160m / 1905 kHz / LSB	Sunday	9.30 am
80m / 3710 kHz (+/- QRM) LSB	Monday	9.00 am
10m / 28.078 MHz / JS8	Wednesday	10.00 am
6m / 51.55 MHz / FM	Tuesday	8.00 pm
4m / 70.30 MHz / FM	Thursday	8.00 pm
2m / 144.6125 MHz / Digital Voice	Friday	7.30 pm
2m / 145.35 MHz / FM	Friday	8.00 pm

<sup>\*</sup> The Friday night Digital Voice net usually starts with D-star. In addition to the regular Club Nets, several members monitor the local repeater channels, particularly GB3XP (145.6875MHz 82.5Hz CTCSS FM)

### THAT'S ALL FOLKS.....

That's all for this month. Just a reminder that I am always pleased to have inputs from the membership – the more you provide the broader the spread of subject matter and the less of my stuff you have to endure! And if you don't fancy doing a full item, a snippet or two for the "Here and There" section would be welcome.

#### 73, Quin G3WRR Newsletter Editor