

# Newsletter

## Chesham & District Amateur Radio Society

[www.g3mdg.org.uk](http://www.g3mdg.org.uk)

September 2021

We meet the 2<sup>nd</sup> and 4<sup>th</sup> Wednesdays of the month at the Ashley Green Village Hall, Ashley Green, HP5 3PP

### Welcome

August is generally classified as the 'holiday' month and as such things are a little quieter all round, we start September (4<sup>th</sup> and 5<sup>th</sup>) with our annual SSB Field Day, again at Wiggington, the first time in 2 years due to the intervention of covid-19 last year, let's hope the weather holds out.

My thanks go to Jeremy for his article this month, without which the newsletter would be very thin.

With the winter months approaching our programme for the meetings at Ashley Green village hall is beginning to take shape with a talk months, if there's a particular subject you'd like us to cover, please contact the committee (email address at the bottom of the page).

I've not heard back from Mike Richards yet, I need to check in with him again as I'm sure his Zoom sessions can be informative and interesting.

Bryan M0IHY

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### Contact details

Chairman - Jeremy Browne (G3XZG)      Secretary - Malcolm Appleby (G3ZNU)  
Treasurer - Matt Whitchurch (M1DTG)      Editor - Bryan Page (M0IHY)      Angie Page (M6WTL)

All the above are members of the committee and can be contacted on [cdars-committee@googlegroups.com](mailto:cdars-committee@googlegroups.com)

# Chairman's Ramble

So, that appears to have been our summer, I seem to remember some hot days in July but my purchase of suntan lotion has been largely wasted. Apparently it doesn't keep till next year, though I can't think why, and I can't find any alternative uses, though I guess lubricating sections of pole to make them easier to get apart, might be one of them.

After a creditable result in VHF field-day, considering we were on 3 bands only, operated for a little while on 5 watts on 144 MHz and shut down for a couple of hours on Saturday evening, we are entering SSB field-day again this year, after the inevitable covid gap last September. We will be back at Wigginton though we have been exploring the possibility of using land at Ashley Green. There is some uncertainty there about who owns what of the land around the hall. We had looked at the land to the rear, which is well screened and further from the houses and had been told this was owned by the parish council. It seems though that they may not own some or all of it, as we have been told now that they only maintain it for the county council. Another possibility is a field at the back of the Golden Eagle, with a tempting connecting gate. We have not been able to find out who owns it, but do know that it has been the subject of a failed planning application for housing development.

Wigginton is a good and well-trying site, but its always useful to have other strings to our bow, so we will continue to explore these.

On a sadder note, we again send our condolences to Stewart Baker, G3RXQ whose wife Marie died this month. Stewart is a longstanding friend of many in the club and also came to give us the benefit of his knowledge and experience with talks before moving up to Cumbria. Dave, G8FMC was able to attend the funeral.

We have also been given a general coverage receiver and power supply, together with a home-made LF converter, by the widow of John Davis, who though a licensed amateur had not been active for some years. We are grateful for this and have sent a thank-you letter.

Thanks to Malcolm's efforts, we were able to put the talk on computer logging on 25<sup>th</sup> August both on the club YouTube channel and website for those who could not be there. We hope to continue this, at least with the monthly talks over the winter. Any feedback or suggestions for improvements are welcome.

Many thanks again to all those who have helped over the month in many ways and I look forward to seeing you at meetings or on the GB3TU net.

Well, to close, back to the autumnal feel to the weather. I will be staying overnight in the club tent next Saturday, so I just hope its a bit warmer than last year, when even a couple of glasses of Matt's whiskey didn't help much in the end. I must remember to bring a thick sweater.

73's for now, Jeremy.

## Editor's Muse

Of all the things you could use suntan lotion for, Jeremy has come up with the ultimate use for 'out of date' lotion! Well done Jeremy, you're probably the only owner of antenna poles that will never get sunburn!!

Thanks to Malcolm (G3ZNU) for his talk on various computer logging programs and their Pro's and Con's at the 2<sup>nd</sup> club meeting in August, it was recorded so keep an eye on the club website for the link.

As a result of Malcolm's sterling work with his talk I've created a page of various logging software (all free with the exception of one), with URL's to the manuals, downloads and any helpful guides, page counts are also given for those ambitious enough to want to print them!

Bryan M0IHY

# Pay it forward...

Yes, it's the title of a film, nothing whatsoever to do with radio, but the principle is the same, it's the story that was inspired by a school assignment, young Trevor comes up with an idea that changes many lives. He decides that instead of returning a favour, he will pay it forward by doing good deeds for three people...

For me, studying for the Full licence was made far easier by the help and encouragement given by the Bath Based Distance Learning team at the time, I certainly wouldn't have done as well without their help, which leads me to the subject of helping others where we can, there's no count on the number of people we can offer help to, that's an indeterminate number, that's what this hobby is all about.

At our first club meeting in August at Ashley Green village hall a question was raised about giving assistance to those who would like help, it was also mentioned that it would be a good idea to put this out to the members email group and get a feel for how many people would like some help, I agreed to put this in the newsletter.

To get a feel for what you want, could you please contact me at [bryanpage1@btinternet.com](mailto:bryanpage1@btinternet.com) with what licence you're studying for and what subjects you want assistance with, I'm sure we can collectively get our heads together and come up with something to help you. This could simply be a splinter group at a club meeting, or email on an individual basis (as with the Bath Distance Learning group) depending on whether you can attend a club meeting, or not.

At the end of the day this will be driven by what you want, so if you need assistance with your studying, please contact me.

Bryan M0IHY

## Bath Based Distance Learning

Having mentioned the Bath Based Distance Learning team above, I suppose I ought give a little more information about them.

The Bath Based Distance Learning team helped nearly 800 students to pass the Advanced (now called the Full Licence) exam under the old syllabus. After reworking their training material, the team are now planning their first course for the Full level exam syllabus. The course will run from March to June this year.

Students will receive weekly work packages via a virtual classroom and will have access to weekly online tutorials. There will be no charge for the training, but applicants will need to work through a pre-course classroom and quiz to be eligible for a place. The deadline for course applications is Wednesday the 17th of February. To request full details and an application form, please e-mail Steve, G0FUW via [g0fuw@tiscali.co.uk](mailto:g0fuw@tiscali.co.uk)

Whether they ask for a £30 deposit as a keeper (this is what I had to do), returned if you stay the course (minus the postage for the cheque), or given to charity should you not stay the course, I don't know, it's well worth the effort though. The main difference I can see is the pre-course classroom and quiz, this I didn't do, don't be put off by it though as this would be a marker of your strengths and weaknesses and I assume they would adjust the individuals training accordingly.

If you're looking to train for your Full Licence, why not give it a try, places are limited, so don't leave it too late to apply.

Bryan M0IHY

# Computer Logging Programs

No, this is not a redefinition of how to set up various computer logging programs, this in itself becomes a minefield of copyright and other problems, so instead of reinventing the wheel (that was invented in the 4th century BC in Lower Mesopotamia (modern-day Iraq), where the Sumerian people inserted rotating axles into solid discs of wood. It was only in 2000 BC that the discs began to be hollowed out to make a lighter wheel) I'll point you in the direction of the originators PDF manuals, guides and programs and the platform on which the software runs.

Ham Radio Deluxe is the only chargeable program in the list. If you check out the help manuals you'll find everything you need to know to get you up and running, enjoy...

Bryan M0IHY

## **FLDigi** (Windows, macOS, Linux, Android, FreeBSD)

- Manual (534 pages) - <http://www.w1hkj.com/files/fldigi/fldigi-help.pdf>
- Beginners Guide - <http://www.w1hkj.com/beginners.html>
- Program download - <https://sourceforge.net/projects/fldigi>

## **DXLab** (Windows, Linux, Macintosh - comprises 8 individually linked programs)

- Commander (72 pages) - [www.ambersoft.com/DXLab/Commander/Commander.pdf](http://www.ambersoft.com/DXLab/Commander/Commander.pdf)
- DXView (43 pages) - [www.ambersoft.com/DXLab/DXView/DXView.pdf](http://www.ambersoft.com/DXLab/DXView/DXView.pdf)
- DXKeeper (281 pages) - [www.ambersoft.com/DXLab/DXKeeper/DXKeeper.pdf](http://www.ambersoft.com/DXLab/DXKeeper/DXKeeper.pdf)
- Launcher (22 pages) - [www.ambersoft.com/DXLab/DXLabLauncher/Launcher.pdf](http://www.ambersoft.com/DXLab/DXLabLauncher/Launcher.pdf)
- Pathfinder (12 pages) - [www.ambersoft.com/DXLab/Pathfinder/Pathfinder.pdf](http://www.ambersoft.com/DXLab/Pathfinder/Pathfinder.pdf)
- PropView (13 pages) - [www.ambersoft.com/DXLab/PropView/PropView.pdf](http://www.ambersoft.com/DXLab/PropView/PropView.pdf)
- SpotCollector (98 pages) - [www.ambersoft.com/DXLab/SpotCollector/SpotCollector.pdf](http://www.ambersoft.com/DXLab/SpotCollector/SpotCollector.pdf)
- WinWarbler (125 pages) - [www.ambersoft.com/DXLab/Winwarbler/Winwarbler.pdf](http://www.ambersoft.com/DXLab/Winwarbler/Winwarbler.pdf)
- Beginners Guide - <http://www.dxlabsuite.com/dxlabwiki/GettingStarted>
- Program download - <https://www.dxlabsuite.com/download.htm>

## **Log4OM2** (Windows)

- Manual (230 pages) - [https://www.log4om.com/l4ong/usermanual/Log4OMNG\\_ENU.pdf](https://www.log4om.com/l4ong/usermanual/Log4OMNG_ENU.pdf)
- Beginners Guide - <https://www.k0pir.us/new-log4om-2-logging-program-install-and-initial-setup/>
- Program download - <https://www.log4om.com/download/>

## **N1MM+** (Windows)

- Manual (1029 pages) - <https://n1mmwp.hamdocs.com/mmfiles/n1mmplus-pdf/>
- Beginners Guide - <https://n1mmwp.hamdocs.com/getting-started/>
- Program download - <https://n1mmwp.hamdocs.com/downloads/n1mm-full-install/>

## **Minos2** (Windows 7 and above)

- Manual (107 pages) - [https://pilotfiber.dl.sourceforge.net/project/minos/Minos V2.3.0 Documentation \(V2.3.0.2a\).pdf](https://pilotfiber.dl.sourceforge.net/project/minos/Minos%20V2.3.0%20Documentation%20(V2.3.0.2a).pdf)
- Beginners Guide - [Within the manual](#)
- Program download - <http://minos.sourceforge.net/download.html>

## **Ham Radio Deluxe** (Windows)

- Manual(s) - <https://support.hamradiodeluxe.com/support/solutions/51000018230>
- Introduction - [5 articles](#)
- Logbook - [35 articles](#)
- Satellite Tracking - [14 articles](#)
- Rig Control - [17 articles](#)
- Digital Master (DM-780) - [12 articles](#)
- Rotator - [9 articles](#)
- Program download - <https://downloads.hamradiodeluxe.com/setup.exe>

# CDARS and Field Day

“Are those two poles both supposed to be vertical?”

Q. “Why isn't the rig coming on?”

A. “Ah, its because there's no power supply.”

“Sorry I can't find the foot-switch as its sunk in the mud.”

These phrases are not perhaps a fair reflection of CDARS field-day entries over the years, but they certainly stick in the memory.

For many years now, G3MDG/P has taken part in the September contest, usually SSB field-day, but occasionally we have entered the region 1 144 MHz contest instead.

Looking back over the years, brings back memories of members who have moved away, though we are still in touch with some, one or two ringers such as the Czech diplomat with his own crate of beer, and one or two who are now sadly silent keys.

We have operated from a number of sites and experienced almost everything that the British weather has to throw at us, apart I think from snow. Sites have included a farm at Hastow, a caravan at a member's home on Chalfont Heights, A field by cress beds at Sarrat, and latterly, and most often, the field at Wigginton. Access has sometimes been interesting, in particular Sarrat, which lay at the bottom of a steep and narrow lane, where there always seemed to be a horsebox coming in the opposite direction. I think half my taxi fare to get there one year was caused by having to reverse uphill.

Accommodation and facilities have also varied, from a caravan and portaloo, to the luxury of a campavan with awning owned by a member, Simon, who was last heard of in the West Indies, down to tents. The campavan was the most popular as it provided, sleeping, cooking and coffee-making facilities all in one on site.

As I said, weather has varied. Oddly, unlike the mythical summers of childhood, its not the sun that I remember, but the pouring rain at Wigginton one year, (the footswitch in the mud incident); and the ice on the tents on waking up on Sunday morning at Sarrat, with James' heroic attempts to get the generator going.

Equipment too has varied, from large (and definitely legal of course), linears, to entries as this year in the 100 watt section, with antennas including beams, Windoms, Doublets and dipoles. Usually we have been in a section which enables restricted power but more than one antenna. This has varied as the categories of entry have altered from year to year, but we have always passed any RSGB inspection that has occurred.

Its fair to say that as far as results go, we have always been creditable, without pulling up any trees, (not even to site the antenna), but the main object, given the facilities available to us has been to have an enjoyable weekend with plenty of radio in good company, and I think we have always achieved that.

Let's hope for a good weekend this year.

Jeremy, G3XZG.

# Long Grass results



The scoring is quite simple, 5 of a kind (letters, or numbers) gets you 5 points for the QSO, reducing to 2 points for only 2 of a kind. Multiple instances of letters/numbers are allowed. 1 point is given if there is a "G" in the callsign.

The following are the final scores:

|   | Multiple instances |       |       | Longest QSO |        | Max miles per Watt |        |
|---|--------------------|-------|-------|-------------|--------|--------------------|--------|
|   | G3XZG              | G3ZNU | M0JCQ |             |        |                    |        |
| A | 8                  | 10    | 20    | M0JCQ       | 12,216 | M0JCQ              | 122.17 |
| B | 2                  | 0     | 2     | G3XZG       | 7,034  | G3XZG              | 70.34  |
| C | 2                  | 4     | 2     | G3ZNU       | 2,166  | G3ZNU              | 21.67  |
| D | 4                  | 11    | 6     |             |        |                    |        |
| E | 4                  | 4     | 10    |             |        |                    |        |
| F | 2                  | 10    | 4     |             |        |                    |        |
| G | 9                  | 34    | 41    |             |        |                    |        |
| H | 0                  | 0     | 4     |             |        |                    |        |
| I | 0                  | 2     | 6     |             |        |                    |        |
| J | 0                  | 0     | 0     |             |        |                    |        |
| K | 2                  | 0     | 4     |             |        |                    |        |
| L | 0                  | 0     | 6     |             |        |                    |        |
| M | 0                  | 11    | 2     |             |        |                    |        |
| N | 4                  | 2     | 2     |             |        |                    |        |
| O | 0                  | 0     | 6     |             |        |                    |        |
| P | 0                  | 2     | 8     |             |        |                    |        |
| Q | 0                  | 0     | 4     |             |        |                    |        |
| R | 0                  | 2     | 12    |             |        |                    |        |
| S | 0                  | 2     | 4     |             |        |                    |        |
| T | 0                  | 2     | 2     |             |        |                    |        |
| U | 0                  | 6     | 4     |             |        |                    |        |
| V | 0                  | 0     | 4     |             |        |                    |        |
| W | 0                  | 0     | 0     |             |        |                    |        |
| X | 2                  | 0     | 0     |             |        |                    |        |
| Y | 0                  | 2     | 0     |             |        |                    |        |
| Z | 4                  | 4     | 2     |             |        |                    |        |
|   | 43                 | 108   | 155   |             |        |                    |        |

No multiple instances of numbers took place, interestingly the "G" allocation is quite high, especially from Malcolm and James. "J" and "W" were the only 2 letters not to have multiple instances.

Well done and thank you to those who took part.

Bryan M0IHY

## September

### HF

| Day     | Date (2021) | Time UTC  | Contest Name       |
|---------|-------------|-----------|--------------------|
| Sat-Sun | 04-05 Sep   | 1300-1300 | SSB Field Day      |
| Mon     | 06 Sep      | 1900-2030 | Autumn Series SSB  |
| Wed     | 15 Sep      | 1900-2030 | Autumn Series CW   |
| Thu     | 23 Sep      | 1900-2030 | Autumn Series DATA |
| Mon     | 27 Sep      | 1900-2030 | RSGB FT4 Contest   |

### VHF

| Day     | Date (2021) | Time UTC  | Contest Name           |
|---------|-------------|-----------|------------------------|
| Sat-Sun | 04-05 Sep   | 1400-1400 | 144MHz Trophy Contest  |
| Sun     | 05 Sep      | 1100-1500 | 5th 144MHz Backpackers |
| Tue     | 07 Sep      | 1900-1955 | 144MHz FMAC            |
| Tue     | 07 Sep      | 2000-2230 | 144MHz UKAC            |
| Wed     | 08 Sep      | 1900-2100 | 144MHz FT8 AC          |
| Thu     | 09 Sep      | 2000-2230 | 50MHz UKAC             |
| Tue     | 14 Sep      | 1900-1955 | 432MHz FMAC            |
| Tue     | 14 Sep      | 2000-2230 | 432MHz UKAC            |
| Thu     | 16 Sep      | 2000-2230 | 70MHz UKAC             |
| Sun     | 19 Sep      | 0900-1200 | 70MHz AFS Contest      |
| Tue     | 21 Sep      | 2000-2230 | 1.3GHz UKAC            |
| Tue     | 28 Sep      | 1930-2230 | SHF UKAC               |

## October

### HF

| Day | Date (2021) | Time UTC  | Contest Name       |
|-----|-------------|-----------|--------------------|
| Sun | 03 Oct      | 0500-2300 | DX Contest         |
| Mon | 04 Oct      | 1900-2030 | Autumn Series CW   |
| Wed | 13 Oct      | 1900-2030 | Autumn Series DATA |
| Sun | 17 Oct      | 1900-2030 | RoLo CW            |
| Mon | 18 Oct      | 1900-2030 | RSGB FT4 Contest   |
| Thu | 28 Oct      | 1900-2030 | Autumn Series SSB  |

### VHF

| Day     | Date (2021) | Time UTC  | Contest Name              |
|---------|-------------|-----------|---------------------------|
| Sat-Sun | 02-03 Oct   | 1400-1400 | Oct 432MHz-245GHz Contest |
| Tue     | 05 Oct      | 1800-1855 | 144MHz FMAC               |
| Tue     | 05 Oct      | 1900-2130 | 144MHz UKAC               |
| Wed     | 06 Oct      | 1900-2100 | 144MHz FT8 AC             |
| Tue     | 12 Oct      | 1800-1855 | 432MHz FMAC               |
| Tue     | 12 Oct      | 1900-2130 | 432MHz UKAC               |
| Thu     | 14 Oct      | 1900-2130 | 50MHz UKAC                |
| Sun     | 17 Oct      | 0900-1300 | 50MHz AFS Contest         |
| Tue     | 19 Oct      | 1900-2130 | 1.3GHz UKAC               |
| Thu     | 21 Oct      | 1900-2130 | 70MHz UKAC                |
| Tue     | 26 Oct      | 1830-2130 | SHF UKAC                  |

# 'Air Miles', how far have we gone? / results

Welcome back to Air Miles this month James, seems you're back with a vengeance!

So, how have we done this month?

MFSK rules the roost putting FT8 into 2<sup>nd</sup> place, 20m is the favoured band

(Running totals in red)

## General

### Most Miles

|       |         |           |
|-------|---------|-----------|
| M0JCQ | 489,658 | 2,931,605 |
| G3ZNU | 75,011  | 831,759   |
| G3XZG | 69,001  | 588,683   |

### Most QSO's

|       |     |       |
|-------|-----|-------|
| M0JCQ | 183 | 1,894 |
| G3ZNU | 94  | 823   |
| G3XZG | 54  | 416   |

### Longest QSO

|       |               |               |
|-------|---------------|---------------|
| M0JCQ | YB8RSE(12216) | YB8RSE(12216) |
| G3XZG | YB4IR(7034)   | VK4DX(10286)  |
| G3ZNU | UX0UN(2166)   | YB1BML(7316)  |

### Shortest QSO (miles)

|       |            |          |
|-------|------------|----------|
| G3ZNU | G4TBG(7)   | G4WJS(7) |
| M0JCQ | 2E0FEH(34) | G3MEH(0) |
| G3XZG | GB0SNB(39) | G4UZE(8) |

### Average per QSO (miles)

|       |       |       |
|-------|-------|-------|
| M0JCQ | 2,676 | 1,548 |
| G3XZG | 1,278 | 1,415 |
| G3ZNU | 798   | 1,011 |

### Maidenhead Squares

|       |     |       |
|-------|-----|-------|
| M0JCQ | 183 | 1,018 |
| G3ZNU | 94  | 527   |
| G3XZG | 51  | 358   |

## QSO Economy Drive

### High miles per Watt

|       |             |             |
|-------|-------------|-------------|
| M0JCQ | 122.17(100) | 117.63(100) |
| G3XZG | 70.34(100)  | 102.86(100) |
| G3ZNU | 21.67(100)  | 73.16(100)  |

### Low miles per Watt

|       |           |           |
|-------|-----------|-----------|
| G3ZNU | 0.08(100) | 0.07(100) |
| M0JCQ | 0.34(100) | 4.10(100) |
| G3XZG | 0.39(100) | 0.08(100) |

## By Band

### 160m

### 30m

|       |    |    |
|-------|----|----|
| G3XZG | 12 | 68 |
|-------|----|----|

### 12m

### 2m

|       |    |     |
|-------|----|-----|
| G3ZNU | 61 | 148 |
| M0JCQ |    | 373 |

### 80m

### 20m

|       |     |     |
|-------|-----|-----|
| M0JCQ | 136 | 820 |
| G3XZG | 16  | 140 |
| G3ZNU |     | 35  |

### 10m

### 70cm

### 60m

### 17m

|       |    |     |
|-------|----|-----|
| M0JCQ | 22 | 239 |
| G3XZG | 1  | 12  |
| G3ZNU |    | 44  |

### 6m

### 23cm

|       |    |     |
|-------|----|-----|
| G3ZNU | 33 | 576 |
| G3XZG | 25 | 173 |
| M0JCQ |    | 314 |

### 40m

### 15m

|       |    |    |
|-------|----|----|
| M0JCQ | 25 | 25 |
| G3XZG | 9  |    |

### 4m

# 'Air Miles', how far have we gone? / results

## By Mode

### CW

|       |   |    |     |   |
|-------|---|----|-----|---|
| G3XZG |  | 54 | 416 |  |
| G3ZNU |  | 5  | 30  |  |

### FT8

|       |  |    |     |   |
|-------|--|----|-----|---|
| G3ZNU |  | 88 | 707 |  |
| M0JCQ |  | 24 | 642 |  |

### SSB

|       |   |    |     |   |
|-------|---|----|-----|---|
| M0JCQ |  | 25 | 526 |  |
| G3ZNU |  | 1  | 84  |  |

### MFSK

|       |  |     |     |   |
|-------|--|-----|-----|---|
| M0JCQ |  | 134 | 697 |  |
|-------|--|-----|-----|---|

## By Country

|       |   |    |     |   |
|-------|---|----|-----|---|
| M0JCQ |  | 40 | 283 |  |
| G3ZNU |  | 18 | 190 |  |
| G3XZG |  | 22 | 167 |  |

## This month's totals

|                        |   |                    |
|------------------------|---|--------------------|
| Countries visited      | - | 48                 |
| Most visited Country   | - | Germany - 44 times |
| Total Mileage          | - | 633,670            |
| Total QSO's            | - | 331                |
| Average miles per QSO  |   | 1,914.41           |
| Total locators visited | - | 243                |
| Most visited locator   |   | JO22 9 times       |

## August Bonus Points

|       | <u>Letters Achieved</u> | <u>Bonus miles</u> |
|-------|-------------------------|--------------------|
| M0JCQ | 26                      | 65,176             |
| G3ZNU | 26                      | 63,338             |
| G3XZG | 25                      | 56,794             |

The first instance of the letter results in double mileage for that QSO, bonus miles will be tallied at the end of the year.

## 'Air Miles' theme for September

"Numbers, 0-9" is this month's theme. QSO's containing the numbers 0-9 within the callsign will count towards a bonus, the numbers can be in any position within the callsign and you can have more than 1 number in the callsign.

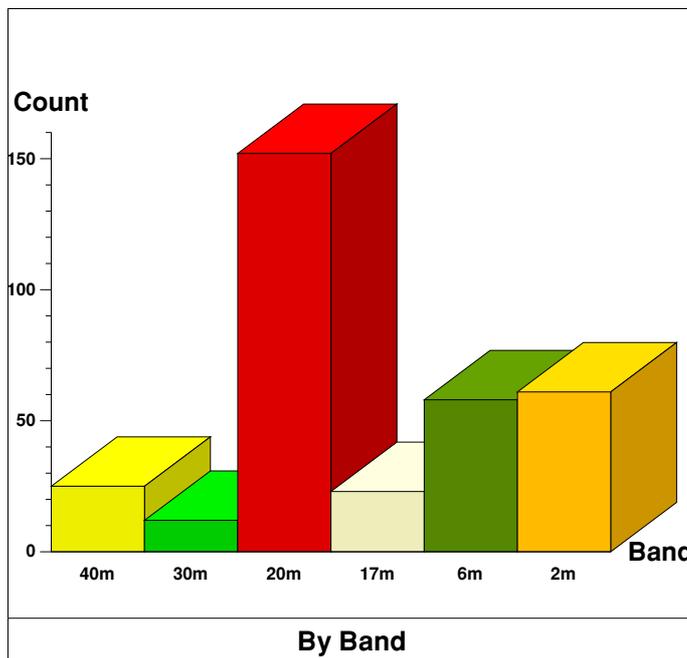
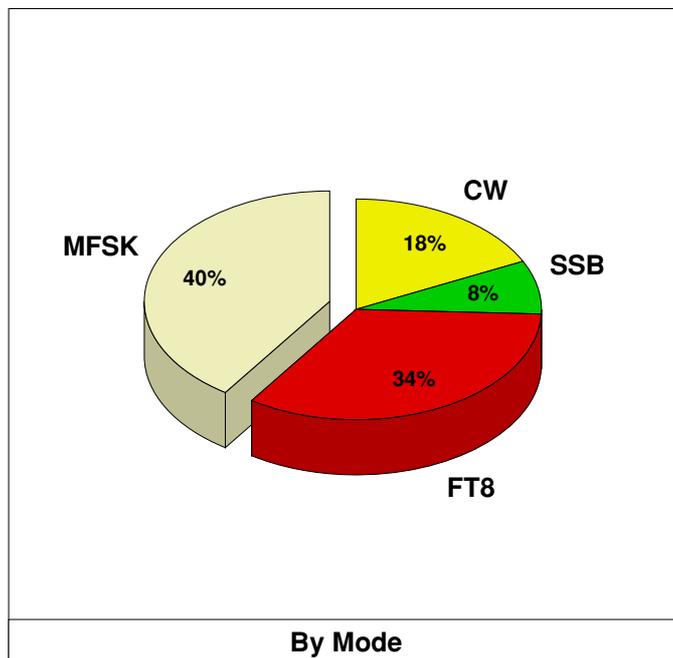
Scoring will be 1 point for each number in the callsign, bonus miles will be decided on the day.

Watch out for more interesting themes for Air Miles.

Bryan M0IHY

# 'Air Miles', September at a glance

*This month at a glance (accumulative)*

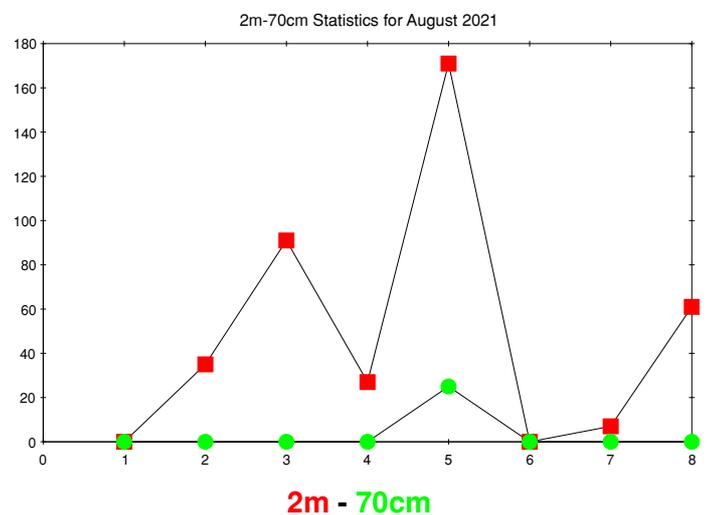
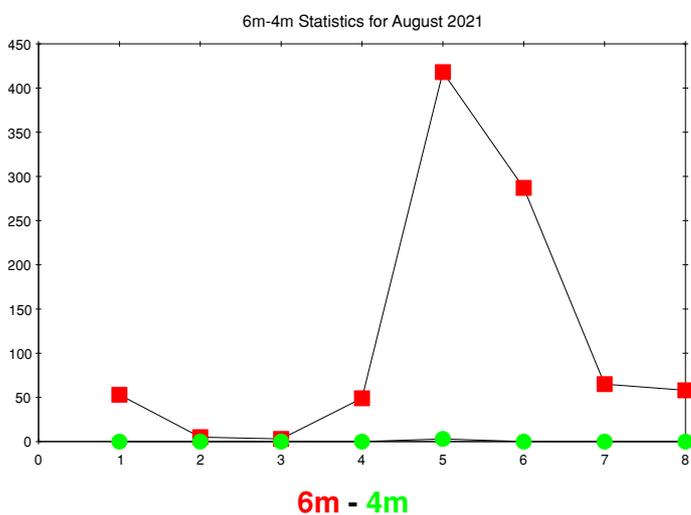
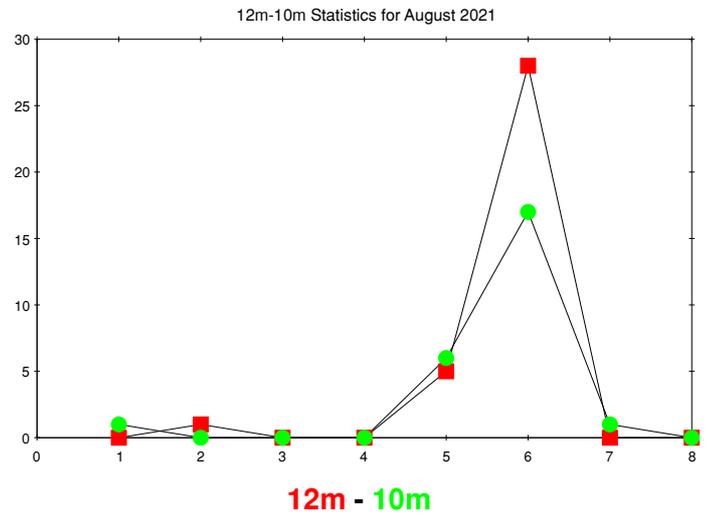
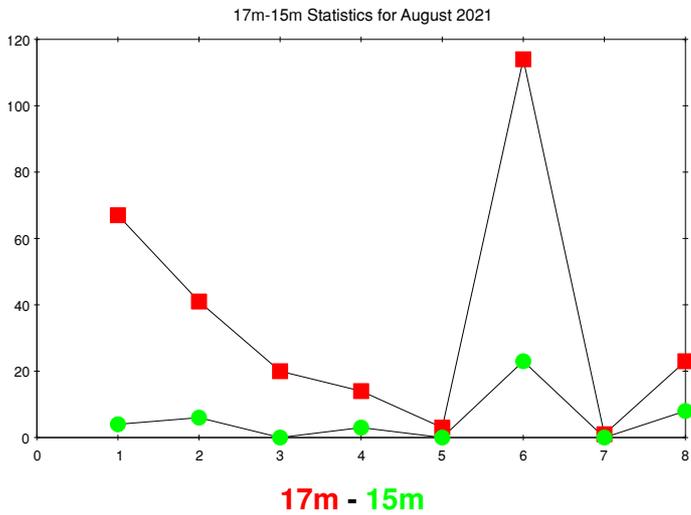
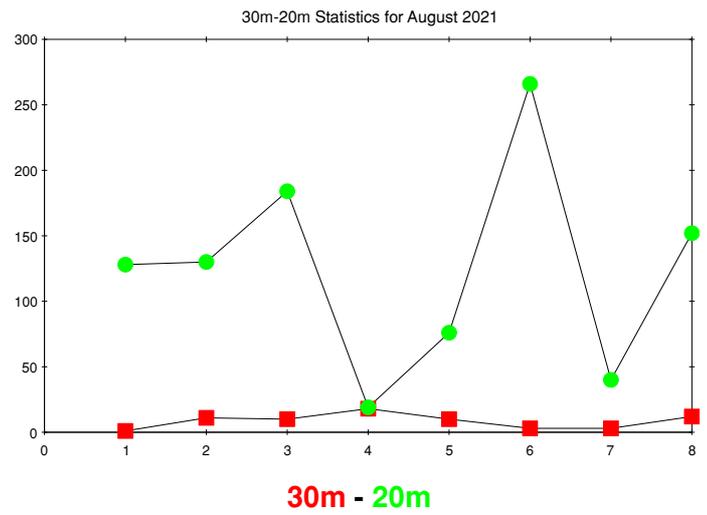
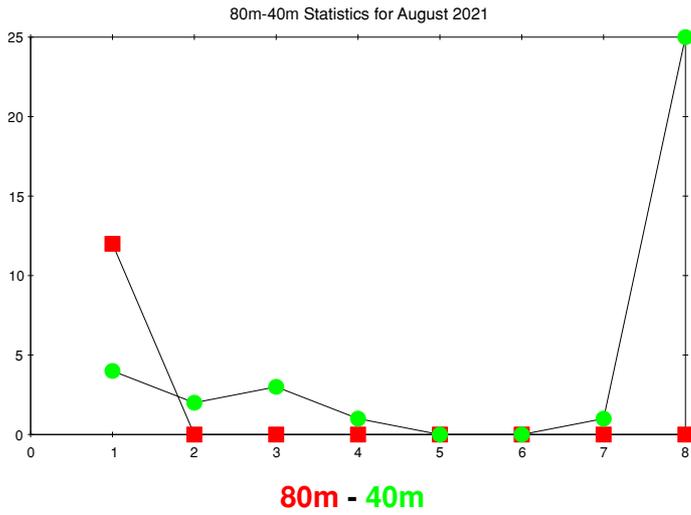


No pretty display this month, far too crowded requiring a magnifying glass to see the results!

|                        |    |                            |   |
|------------------------|----|----------------------------|---|
| Germany                | 44 | Sweden                     | 3 |
| Russia                 | 38 | Wales                      | 3 |
| England                | 33 | Bulgaria                   | 2 |
| Italy                  | 19 | Greece                     | 2 |
| Spain                  | 19 | India                      | 2 |
| Netherlands            | 14 | Serbia                     | 2 |
| Poland                 | 14 | Switzerland                | 2 |
| Finland                | 11 | Belize                     | 1 |
| Hungary                | 11 | Estonia                    | 1 |
| United States          | 11 | Guernsey                   | 1 |
| Scotland               | 9  | Hong Kong                  | 1 |
| Czech Republic         | 8  | Iceland                    | 1 |
| Ukraine                | 8  | Ireland                    | 1 |
| Belgium                | 7  | Jersey                     | 1 |
| France                 | 7  | Kuwait                     | 1 |
| Canada                 | 6  | Latvia                     | 1 |
| Croatia                | 6  | Norway                     | 1 |
| Denmark                | 6  | Oman                       | 1 |
| Indonesia              | 6  | People's Republic of China | 1 |
| Romania                | 5  | Portugal                   | 1 |
| Austria                | 4  | Republic of China (Taiwan) | 1 |
| Bosnia and Herzegovina | 4  | Singapore                  | 1 |
| Slovenia               | 4  | Turkey                     | 1 |
| Japan                  | 3  | United Kingdom             | 1 |

**QSO Countries**

# 'Air Miles', bands by the month



# Any other business

## **David Dix (G8LZE)**

Dave is known either personally or through QSO's to many of us, particularly those who take part in contests and joined the club last year as he was giving his points to CDARS and NRC in our collective contest activity.

Malcolm has seen a posting on the VHF contesting Facebook group by Carl M0ICR that Dave died in the early hours of 27th August, but at the moment we have no further details.

Sadly, another silent key.

73, Jeremy.