

February
2024

MM0DXC's antenna after storm Isha

Cockenzie & Port Seton Amateur Radio Club is affiliated to the Radio Society of Great Britain and holds the call signs MM0CPS and GM2T which are used for our special event and contest entries.

The Club was formed by Bob Glasgow BEM GM4UYZ in 1984, to help the local amateurs get to know each other.

Far from being just a local club we have members regularly attending from the Borders, Dumfries, Strathclyde, Fife and Newcastle.

We have supported the British Heart Foundation for many years and to date we have raised £19,136 for them

The Club meets on the first Friday of every month in the lounge of the Thorntree Inn on the old Cockenzie High Street from 7pm till late.

Club email
cpsarc@gmail.com



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Editorial

Welcome to our monthly newsletter and I hope you enjoy the read!!! We are now into the month of February already, where did January disappear too, and already we are beginning to see the nights getting longer and the dreary dark nights of winter starting to fade away, thank goodness says!!!!

First, I must thank all of you who attended our January Club Night it was great to see so many of you so once again many thanks for your support. I do dream that many more of you will return "to the Fold" as they say. And that is my dream in that I would love to see all those who have promised to come along, those who have gone by the wayside come back to club I feel we have so much to offer. Anyway, I will keep dreaming.

January was its normal quiet month as far as the club goes and to be honest, I use it as definitive rest period before everything kicks off again for the year basically, I have managed to tidy up some of the club background stuff that I do so very pleased with that. I have also adjudicated the Italian Trophies so the results will be further in the newsletter. Our first Activity Day of the year took place and thanks to everyone who took part, a great turnout I must admit. The format this year, same as 2023 where you have three choices on what you do, Choice 1 – Pick a day within the week,

Choice 2 – Pick multiple days within the week and Choice 3 – Take part on every single day of the week. With the choices they certainly offer better flexibility. It would be great to see more doing it even if you only make one QSO as at least you came on. This change made in 2022 was a great success so long may it continue. It also offers me a bigger choice of statistics as well. The latest version is 2024-ACTIVITY-FULL-WEEK-LOGSHEET-V1.8.xlsx which can be found in the Downloads Section of the website.

I took part in the RSGB 40M & 80M AFS CW making a few QSOs. I had also planned taking part in the RSGB 40M & 80M SSB contest but due to other commitments it never happened. Why not make it an aim this year to take part in more contests from home. If I remember rightly, I think most of the Activity Day weeks contains a contest that you could take part in. Anyway, it was nice to get back on the air from home and it is something I must do more of this year. One of my 2024 aims!!!!

On the teaching front we have moved to the Royal British Legion (hall nearest the Old Harbour) and we are overwhelmed with their generosity in allowing this to happen. I have been in consultation with them and all our required dates for 2024 have been confirmed, I have posted up our training dates for January 2023

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through to March 2024 onto the Club's Website under Training, hopefully they will all be Face-to-Face but if that fails due to further COVID restrictions then I will revert to ZOOM to ensure the course goes ahead. The first training course which starts on the 24th February is a Full Course. The next training I haven't set dates yet so not sure if I will do a Foundation or an Intermediate Course and if you are interested in either can you get in touch with me ASAP, please. If you know of anyone who is interested in any of the other courses will you ask them to get in contact with me direct and I will get all their required details.

The events program starts this month with another of John MM0JXI's Radio Check Nights and Cambell MMDXC will be helping him with his comprehensive test equipment. This will be held in the Royal British Legion Hall (Lounge - one nearest the old on Harbour) TUESDAY 13th February 2024 @ 19:00 - NOTE: NEW EVENING. Get all your radios ready to give them an Annual Maintenance!!! Remember to bring along any leads and microphone

Still other events to get confirmation on and I will announce them as and when we are able to run any. For full up to date events please read the Events Column or even go onto the website and you will find them all in the calendar area. Is there anyone out there who could give say an hour's presentation via ZOOM or Face to Face? If you can get back in touch with me direct.

I think that is about it for this month, I am sure there was something else, but I cannot think what it is, sign of old age or whatever. Anyway, enjoy the newsletter.

Bob GM4UYZ

CW Cut Numbers:

The following came about after a discussion from someone who had taken part in a contest and was totally thrown by getting letters in the RST and Serial numbers. This is for information.

Cut numbers are letters that are used in place of a number. You will most often hear them in a signal report. Instead of 599, 5NN is sent instead. The numbers 0 and 9 are frequently substituted with T and N respectively. Some of the cut numbers are uncommon, and using all of them is known as using full cut numbers.

Cut numbers can only be used when it is evident that a number should be received. You may frequently encounter cut numbers in serial numbers during a contest exchange. See the table below for the letters that may stand in for a number.

Replacements	
0	T
1	A
2	U
3	V
4	4
5	E
6	6
7	B
8	D
9	N

2023 ITALIAN TROPHIES RESULTS

History

As many know Bob GM4IKT a club stalwart since the club was founded back in 1984 died on 26 June 2017. One of Bob's requests was to put up a trophy in his memory with the emphasis on newbies (Licenced over the last 3 years) so to that end the "BOB PURVES GM4IKT TROPHY" has been created. For everyone else "The ITALIAN TROPHY" has been created. Below is just a recap of the rules for each of the trophies. Full rules (GM4IKT and ITALIAN Trophy Rules.docx) can be downloaded from the club's website download section. <http://cpsarc.com/downloads/>

Rules for Trophy 1 - "BOB PURVES GM4IKT TROPHY"

Note: For the 2023 entry those who received their Foundation Licence in the following years – 2020, 2021 & 2022 plus new Licensees in 2023 can enter this section.

For Licensees that have obtained their Foundation licence in the last three years although at the time of taking part they may have obtained their Intermediate or Full Licence. The list will be extracted from the data that I keep for the club's training program and will be from 00:00 on the 1st January (year 1) to 23:59 on the 31st December (year 3).

List control: After year 1 has passed the names that were from Year 1 list (oldest) will drop off and those from the latest year will be added. The names dropped off will fall into the category for all other Amateurs. – see planned table.

The aim is to encourage the new licensee to get on the air and make some QSO's.

Contact as many Italian Prefixes on as many bands as possible – Range from 1.8MHz up to 1296MHz

The Modes can be CW, SSB, FM, AM, or DATA (All Types)

Enter all your 2023 information into the Logging Spreadsheet (2023 -ITALIAN AREAS Tracking V5.xlsx) which can be found in the Club's Download Section <http://cpsarc.com/downloads/>

From 2023 onwards Enter all your 2023 information into the Logging Spreadsheet (GM4IKT ITALIAN AREAS TRACKING V11.xlsx or whatever is the latest version) which can be found in the Club's Download Section <http://cpsarc.com/downloads/>

The trophy will be presented annually

All completed spreadsheets to be sent to Bob.gm4uyz@talktalk.net by the 10th January of each year to allow the Trophy result to be obtained

Rules for Trophy 2 – Called the "ITALIAN TROPHY"

This section is open to all licensees

Aim is to encourage operating to get on the air and make some QSO's plus offering a challenge along the way.

Contact as many Italian Prefixes on as many bands as possible – Range from 1.8MHz up to 1296MHz

The Modes can be CW, SSB, FM, AM, or DATA (All Types)

Enter all your information into the Logging Spreadsheet (2022 -ITALIAN AREAS Tracking V5.xlsx) which can be found in the Club's Download Section <http://cpsarc.com/downloads/>

From 2023 onwards Enter all your 2022 information into the Logging Spreadsheet (GM4IKT ITALIAN AREAS TRACKING V11.xlsx or whatever is the latest version) which can be found in the Club's Download Section <http://cpsarc.com/downloads/>

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Results

The 2023 entry year was the fifth year that this has been running. The only person who took part in the 2019 entry year was myself, must admit I was a bit disappointed as this small competition was in memory of Bob so was hoping for a greater participation for the 2020 entry.

In 2020 we had 6 participants – 3 in the "New Licences within 3 Years - BOB PURVES GM4IKT TROPHY" and 3 in the "Open to All Licensees - ITALIAN TROPHY"

In 2021 we had 17 Participants - 3 in the "New Licences within 3 Years - BOB PURVES GM4IKT TROPHY" (1 submitted an actual log and the other 2 their Italian contacts were taken from the Monthly Activity log records) and 14 in the "Open to All Licensees - ITALIAN TROPHY" (4 submitted an actual log and the other 10 their Italian contacts were taken from the Monthly Activity log records)

In 2022 we had 13 Participants – 1 in the "New Licences within 3 Years - BOB PURVES GM4IKT TROPHY" (No Italian Contacts with information extracted from the Monthly Activity Week Log Records) and 18 in the "Open to All Licensees - ITALIAN TROPHY" (2 submitted an actual log and the other 10 their Italian contacts were taken from the Monthly Activity log records).

In 2023 we had Participants – 2 in the "New Licences

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within 3 Years - BOB PURVES GM4IKT TROPHY" (No submitted logs with information extracted from the Monthly Activity Week Log Records) and 16 in the "Open to All Licensees - ITALIAN TROPHY" (3 submitted an actual log and the other 13 their Italian contacts were taken from the Monthly Activity log records.

The results for 2023 are as follows:

(Position is taken from the number of Italian Prefix Area Callsigns worked)

Those highlighted in Yellow were obtained from the Monthly Activity Log records.

Those highlighted in Blue sent in Spreadsheet from their Personal Log for all events.

New Licences within 3 Years - BOB PURVES GM4IKT TROPHY

	Name	Callsign	FL YEAR	Worked	Confirmed	CW	DATA	SSB	FM	AM
1	George William Crawford	MM0JNL	2020	16	0	0	0	16	0	0
2	Paul Greig	2M0PGO	2022	0	0	0	0	0	0	0

The winner of the BOB PURVES GM4IKT TROPHY is George MM0JNL

Hoping that in 2024 more take part

Open to All Licensees - ITALIAN TROPHY

The winner for the ITALIAN TROPHY for 2023 is Bob GM4UYZ. Congratulations Bob for the entry and winning and thanks to the others for taking part.

	Name	Callsign	FL YEAR	Worked	Confirmed	CW	DATA	SSB	FM	AM
1	Bob Glasgow	GM4UYZ	N/A	156	104	22	125	9	0	0
2	Jim Hume	MM0DXH	2003	109	109	51	40	18	0	0
3	Martyn Whyte	MM0XXW	2006	34	34	5	19	10	0	0
4	Tommy Gallagher	2M0EGH	2015	29	0	0	29	0	0	0
5	Colwyn Jones	MM0YCJ	2010	24	0	0	0	24	0	0
6	Sandy McTaggart	MM0CJT	N/A	22	0	0	22	0	0	0
7	Ronan Cantwell	MM0IVR	2018	16	0	7	1	8	0	0
8	Cephas Ralph	MM0INS	2011	10	0	0	10	0	0	0
9	Derek Caiden	MI0WST	2006	10	0	10	0	0	0	0
10	Bob Bertram	MM0LBF	2002	6	0	2	1	3	0	0
11	Thomas Lincoln	M0THL	2010	5	0	0	3	2	0	0
12	Jiml Willis	MM0JTX	2016	4	0	0	4	0	0	0
13	Gordon Paterson	MM0GPZ	2005	3	0	0	3	0	0	0
14	Brian Pickup	M0RNR	N/A	2	0	0	2	0	0	0
15	Keith White	MM0KTC	2008	0	0	0	0	0	0	0
16	Pete Thompson	MM0INE	2017	0	0	0	0	0	0	0

The 2024 challenge has now started for 2024. It started on the 1/1/2024 and will end at 23:59 on the 31/12/2024.

The new Foundation Licensees (2021,2022,2023 and any from 2024) that fall into the 2024 BOB PURVES GM4IKT TROPHY will all have been emailed inviting them to take part.

Everybody else is eligible to submit an entry into the ITALIAN TROPHY Section.

Note: The recording spreadsheet has been expanded so that for any prefix you can record your CW contact, DATA Contact, SSB Contact, FM Contact and AM Contacts. Please use the new spreadsheet for 2024

onwards - GM4IKT ITALIAN AREAS TRACKING V13.xlsx. This can be downloaded from the club's website.

Example below:

I hope more people will enter for 2024 in memory of Bob GM4IKT, so I look forward to receiving your spreadsheet by the 10th January 2025

Good Luck...Bob GM4UYZ

Zone	Italian Prefix	Region	BAND 1.8MHz						
			Date	Callsign	Mode	WKB	CFM	Date	
o	IO	Latium and Umbria			CW				
					DATA				
					SSB				
					FM				
				AM					
	IIO						CW		
							DATA		
							SSB		
							FM		
						AM			
	IKO						CW		
							DATA		
							SSB		
							FM		
						AM			
	IRO						CW		
							DATA		
							SSB		
							FM		
						AM			
IUO					CW				
					DATA				
					SSB				
					FM				
				AM					
IWO					CW				
					DATA				
					SSB				
					FM				
				AM					
IZO					CW				
					DATA				
					SSB				
					FM				
				AM					
IBO		Latium islands			CW				
					DATA				
					SSB				
					FM				
				AM					
ISO		Sardinia			CW				
					DATA				
					SSB				
					FM				
				AM					
IMO		Islands near Sardinia			CW				
					DATA				
					SSB				
					FM				
				AM					

Where in the World that can be contacted with a Large Contest Station

The following article came about after a discussion with Cephas MM0INS. Cephas said it would be great to demonstrate to new licensees that this hobby does give worldwide communications. What could we use to demonstrate this, well our efforts at the CQWW SSB 2023 came to mind. The club has a massive contest station setup and we certainly do very well in this contest so ideal to show.

This is how we ended in the 2023 CQWW SSB Contest...
QSO's Logged: 4720 (includes Dupe's)

What was submitted

BAND	QSO	CQ	DXC	DUP	POINTS	AVG
160	345	8	48	15	354	1.03
80	779	15	68	19	921	1.18
40	554	20	80	13	679	1.23
20	1285	29	108	24	1933	1.50
15	860	29	111	14	1636	1.90
10	810	31	113	2	1909	2.36
TOTAL	4633	132	528	87	7432	1.60

TOTAL SCORE : 4 905 120

Dupes are not included in QSO counts neither avg calculations

The program used for the log analysis is phpQW Tool Log Analysis found at <http://analyser.adventureradio.de/>



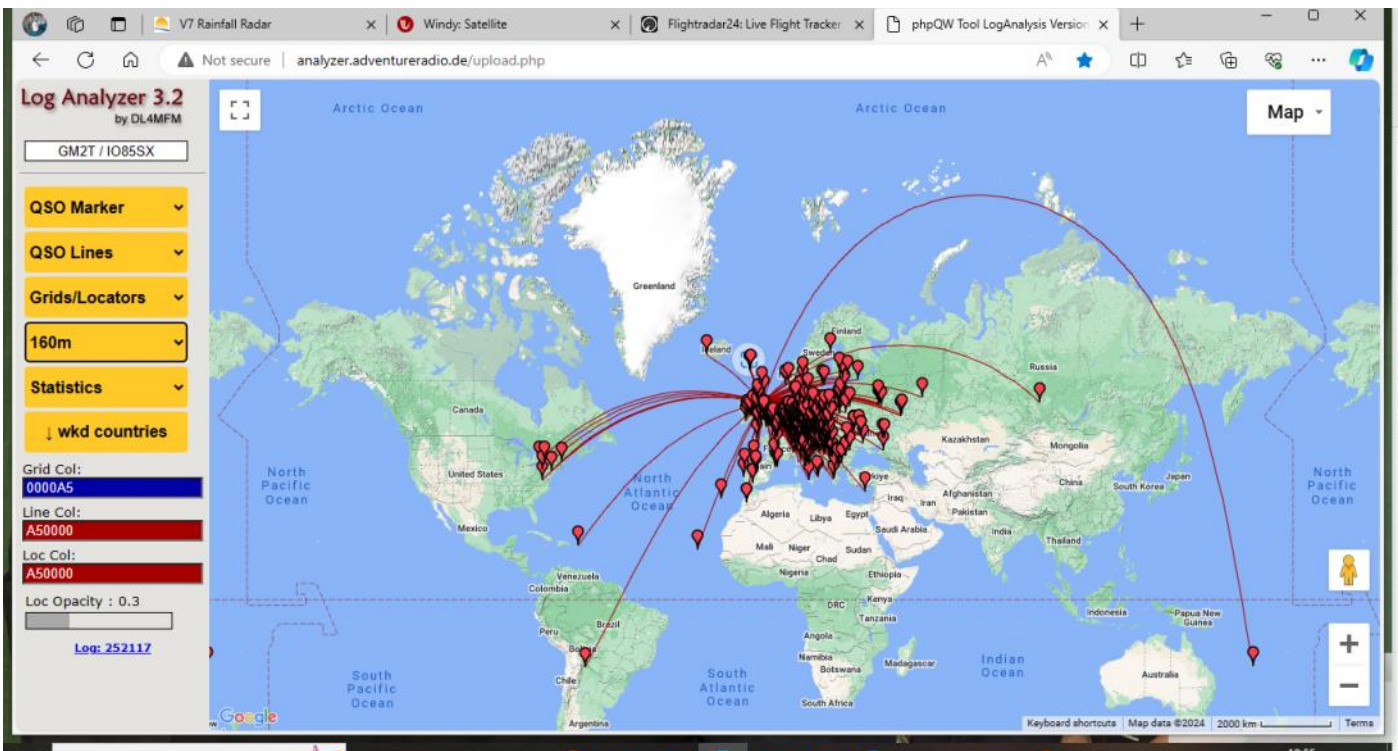
There are options you can fill in but what I used is MyCall (entered GM2T), MyLocator (entered IO85sx) and then chose the ADI file from Conest (We use WinTest so the file was in the files created for this particular contest) then click on OK

The program runs and then displays all the contacts on all Bands that were made, see below. Hover over any "RED Dot, the contact" and it will display the actual station that was contacted details. As you can see from the map lots of contacts were made all around the world.

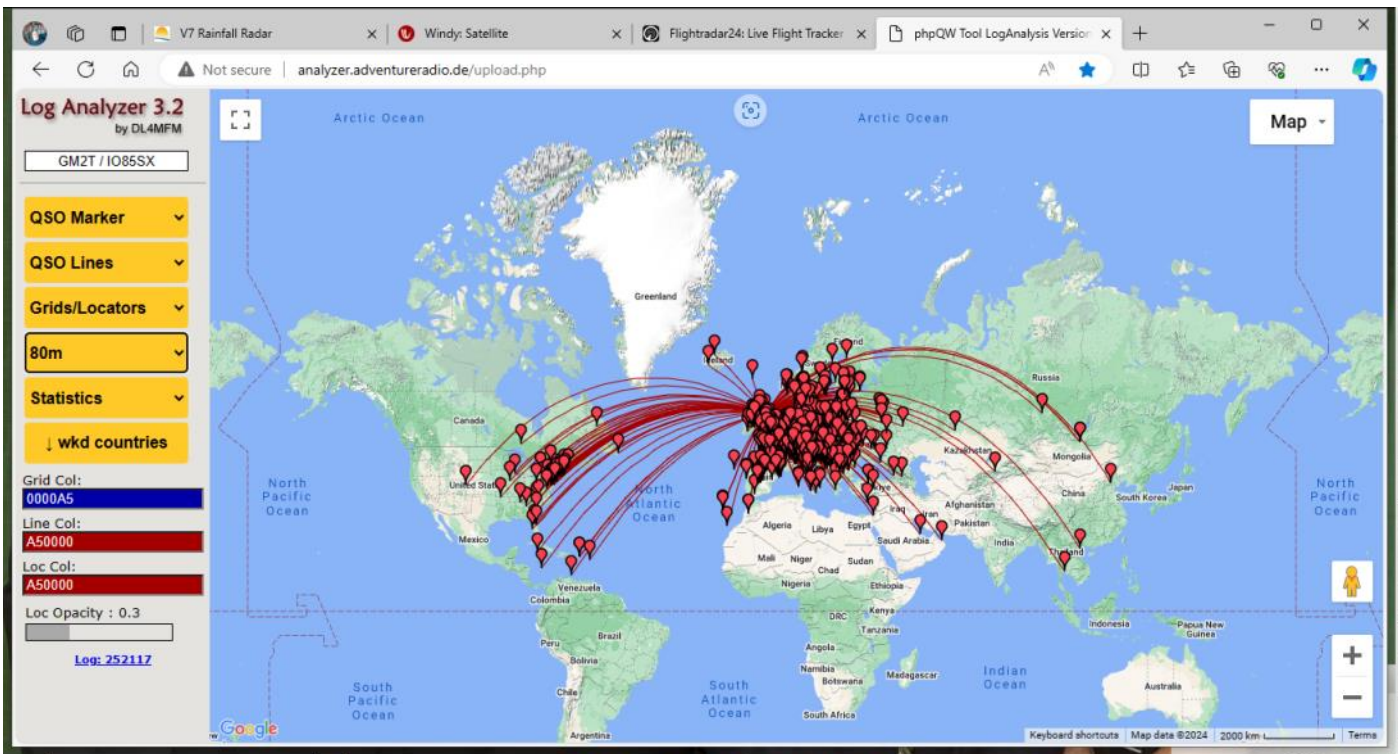


You can from the side menu do further analysis but for this article I have selected ALL BANDS and within that I have chosen each of the individual bands.

160M (1.8MHz)

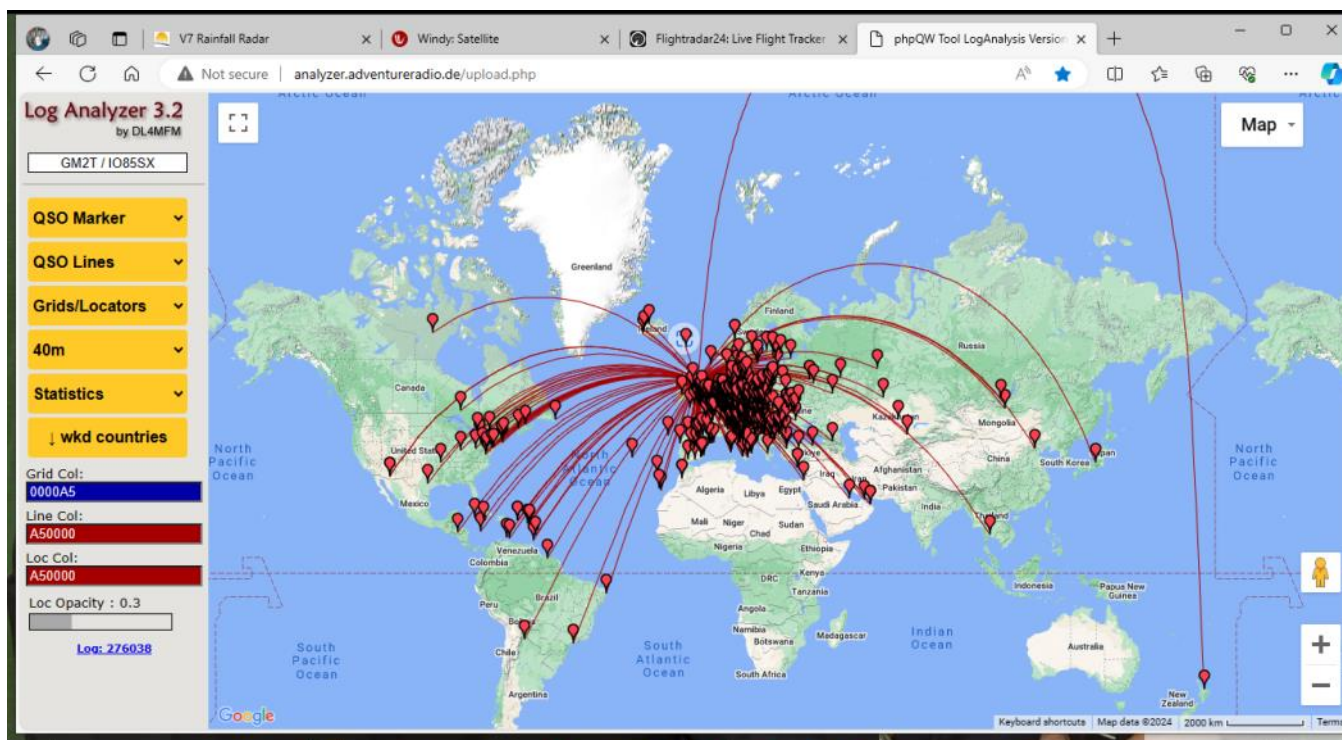


80M (3.5MHz)

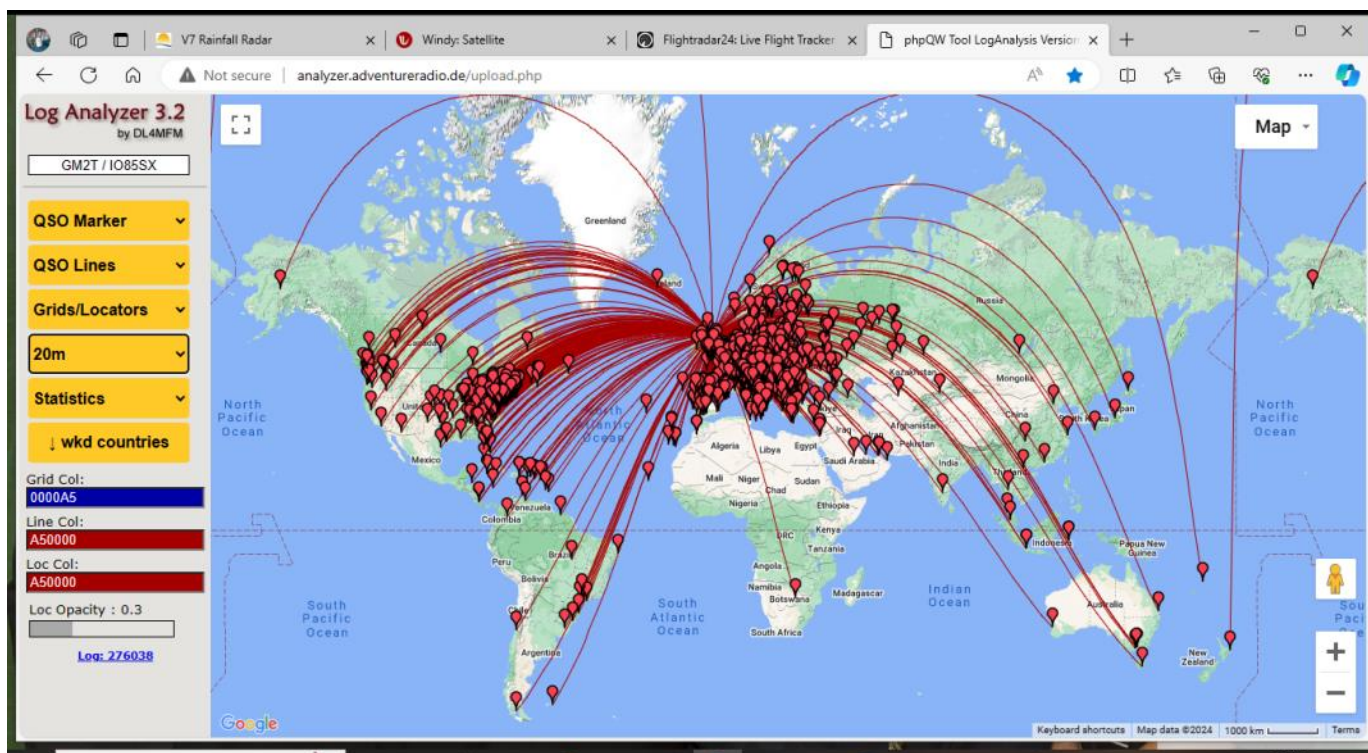


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40M (7MHz)

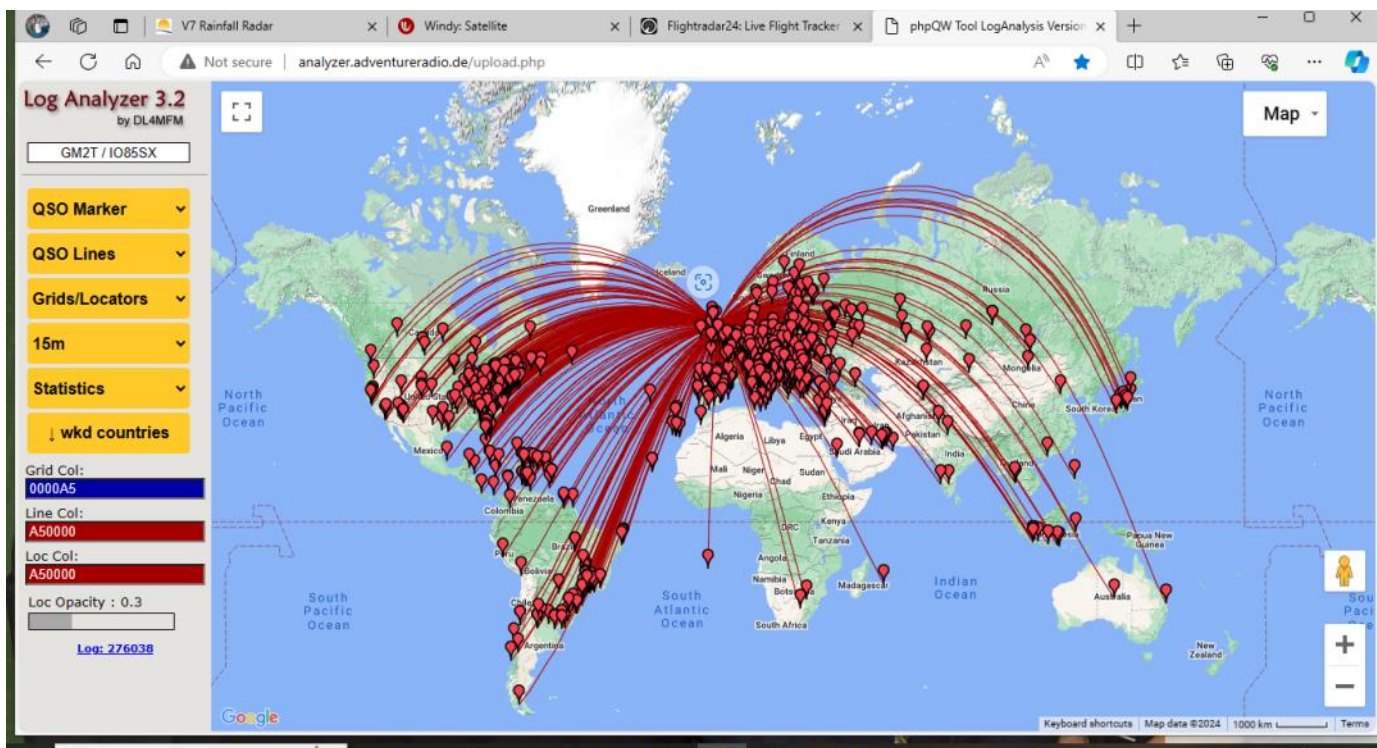


20M (14MHz)

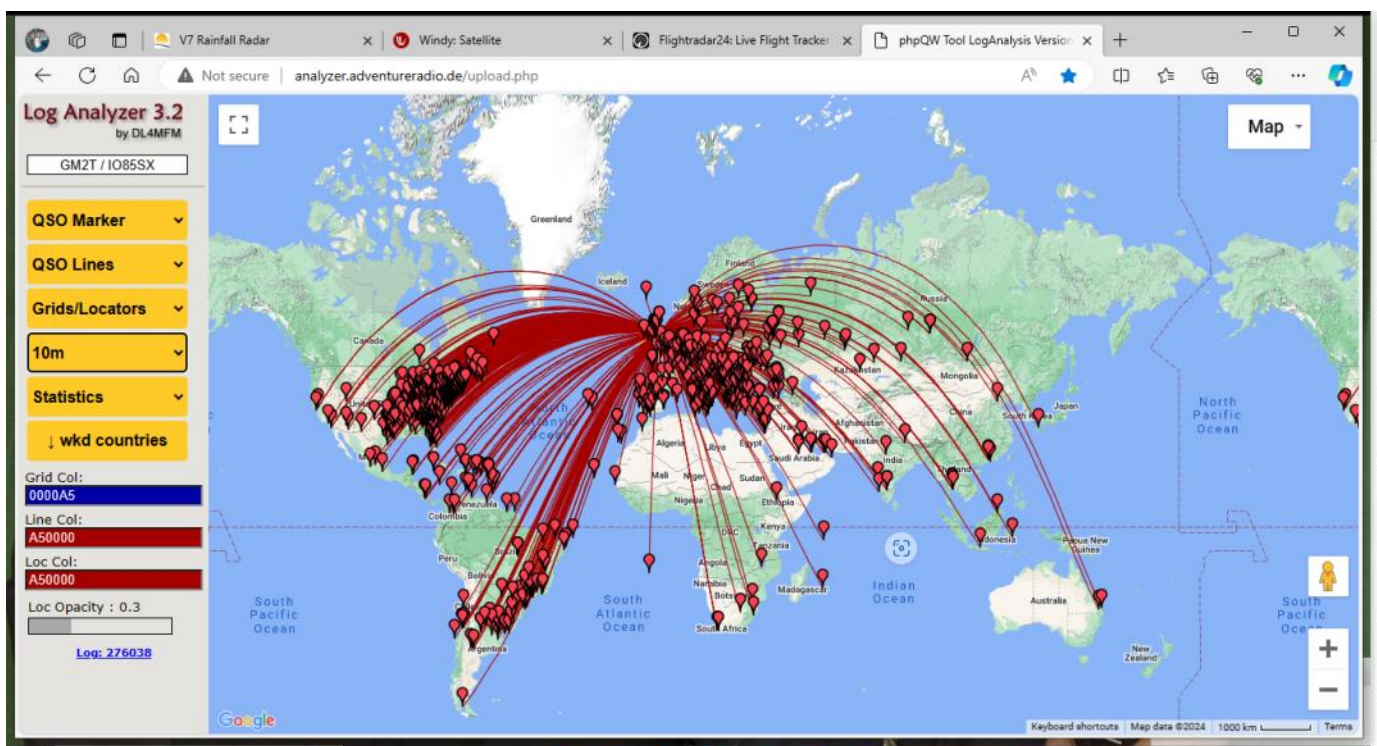


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15M (21MHz)



10M (28MHz)



I hope you found this interesting.
The visual effect I think is better than a list of countries when trying to explain to others and they say where is that country in the world....

So, why not look at your logs to see visually where you have contacted. I must say thanks to Cephaz for the idea.

Bob GM4UYZ

January 2024 Activity Days

JANUARY 2024 Activity Day – between 6th to 12th January 2024 00:00 to 23:59 – Every Day

Choices: One of the following

Your selected day within the week

Multiple days within the week

Every single day of the week

This was our First of 2024 where you can select one of the above during the one-week selected period..... so reports below on who did or who did not manage to take part.

Activity Day Rules and updated log sheet for 2024 have now changed:

These can be downloaded using the following link:

<http://cpsarc.com/downloads/>

FILES for 2024

Look under Downloads for the Downloadable files then you are all ready for the 2024 Activity Days.

The 2024 files are as follows.

There will be new files for 2024 Activity Week, and these are.

2024 New Monthly Activity Week Rules V9.docx

2024-ACTIVITY-FULL-WEEK-LOGSHEET-V1.8.xlsx

Apologies first:

Thomas M0THL

No log from me this month

Cephas MM0INS

No log from me this month

Tommy 2M0EGH

No log from me this month

Craig MM0NBW

No log from me this month

Reports:

Bob GM4UYZ

My first log of 2024 consists of my effort in the RSGB 80M/40M AFS CW contest. The rest is all on Data which as always, I thoroughly enjoy doing.

Derek MI0WST

Not much activity this time.

Jim MM0DXH

"Propagation always fascinates me. The fact that you can communicate with someone close by and then someone literally on the other side of the world. This month's activity week saw me pick up the well-known GM4UYZ (Bob) on FT8 at some 16 kms distance to be followed immediately by ZL3RIK in Christchurch, New Zealand at 18,606 kms. Same frequency, mode, and time.

Another interesting QSO was a Russian ice station drifting in the Arctic ice flow at midnight, 20m FT8, RI0SP.

Looking forward to February's activity week and the rest of the year riding on the radio waves.

Martyn MM0XXW

OK first of 2024, with a promise to myself to improve my poor CW, with a couple of easy stations on CW!

Tried a few calls on SSB but nothing in the log so the rest are FT8, nothing fantastic logged but seem to have a good path into the Caribbean just now.

Right that's the first one done, let's see what Feb holds.

Pete MM0INE

Made a few QSOs over the week on various bands after making some antenna feedline changes. Looks like I am still putting out a signal so managed not to break anything!

Ronan MM0IVR

I've attached the first activity week log for 2024. No record-breakers in there but still glad not to have blanked. Hopefully some /P stuff in next month's log.

Keith MM0KTC

Small log from me

David MM0XDG

I don't know whether I've got this correct or not, but I've attached what I think/hope is my log. There are two different Locators for me for last week - I was out operating portable on January 6th (with some considerable success, as you can see!), and here at home for the remainder.

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Bob MM0LBF

Not been well for a few weeks Bob; but once feeling wee bit better, getting into the man-cave and on the air was a big help... Even the missus noticed the change! PS forgive the cheeky five FM QSO's... a QSO is a QSO.

Paul 2M0PGO

My activity log is included

Colwyn MM0YCJ

Happy New Year to everyone and I managed to get on air as a portable SOTA station on three separate days during the January 2024 CPSARC activity week. The venue was a little unusual as I was working in Mallorca, teaching at the University.



It was a chance to escape from under grey Scottish skies for a few days and the university put us in the colourful Artmadams Hotel in Palma de Mallorca.

The hotel is amazing; Art Deco, art nouveau, and more (see photo and website).

<https://www.hotelartmadams.com/en/>

Saturday the 6th January 2024 I drove up the MA2100 from La Palma through the town of Bunyola to the Coll d'Honor (550metres). A steep, twisty, narrow road favoured by cyclists; and they were out early in huge numbers. I found a suitable parking spot near the high point and from the col it was pleasant walk on waymarked footpaths up to the obscure summit. There is a more westerly summit with excellent views and the waymarked footpath led there rather than the true summit, so there was a bit of bushwhacking to finally get to the top, but it was easy enough. SOTA reference: EA6/MA-020 (Es Picó, 813m, Latitude: 39.71877, Longitude: 2.72639. QTH Locator: JM19ir).

It was very windy on top of the tree covered hill and I was able to attach a 20-metre inverted-V half-wave dipole, about 3 metres off the ground between two suitable pine tree trunks that were not waving in the wind. The dipole was almost perfectly horizontal and the RG174 feeder hung vertically down to a sheltered place where I had installed my insulated sit mat. Previous experience on Mallorca had shown that there is little VHF activity, and this was reinforced as I

had made no QSOs on 144MHz the day before on EA6/MA-021, Talaia de Cals Reis (765m, Latitude: 39.72836, Longitude: 2.76538, QTH Locator: JM19jr. However, as always, I gave a shout on 144MHz FM with no response. Suitably clothed for protection against the wind I was able to set-up my Elecraft KX2 for SSB operation (10 watts). It uses an external 3 cell LiPo battery to avoid accidental switching on of the radio while walking up to the broadcast position.

I started broadcasting at about 10:30 (09:30 UTC) and I was using the 10-metre band. The SOTA management team are keen to challenge SOTA radio hams and the challenge for 2024 is to try to get as many QSOs on 10 metres as possible. I had prepared for this challenge by attempting to use the 10-metre band during December and I had experienced no success whatsoever. Unfortunately this was my same experience on EA6/MA-020 with nothing heard on the band and no response to my CQ calls.

After about 20 minutes I changed frequency and the next SSB band I tried was 15 metres (21.270MHz). At 10:06 I contacted an Austrian station (OE1SDE) to get started and made a total of 15 QSOs on 15 metres followed by 9 QSOs on 20 metres all over about 30 minutes. The furthest was a Swedish station (SA4BLM) at 2503km and I also spoke with GM4YMM (Christine) and GM0AXY (Ken) at home in Edinburgh. Being a weekend there were also three other SOTA activators up various mountains in Poland Greece and Czechia, always a bonus.

After this I tried 7MHz, but the band was busy, and I couldn't easily find a free frequency. The wind chill was also a problem (even in Mallorca in January), so I decided to go QRT and pack up the temporary radio shack. I was able to follow my uphill ascent quite easily on my way back (and I met one other walker) so I was taking my boots off next to the car within an hour. From there it was a slow drive back down the MA2100, avoiding all the cyclists out for some exercise, many overtaking me as they descended!

Next day on Sunday 7th January 2024 I was out again and drove up the "Coll de sa battaglia" road (MA2130) towards Lluc. This is another twisty road, but it has been widened and despite all the cyclists out on a Sunday it was an easy drive. I parked well below the col at a designated parking place and had a well-marked footpath to follow to the Coll deis Abellons.

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There was a warning sign about big-game hunting (see photo) and to get to the summit of EA6/MA-027 (Puig Nespler, 628m, Latitude: 39.78937, Longitude: 2.90264. QTH Locator: JM19ks) I again had to bushwhack up some steep terrain off the beaten track. There were times I thought I may not be able to get through the thick vegetation, but it was a modest distance, and I was soon on the main ridge of the hill. Luckily, I met no-one hunting and I didn't get shot. The small summit area provided a nice temporary RadioShack, although it was again very windy. I rigged the 20-metre inverted-V half-wave dipole again along the line of a rickety fence crossing the summit and started calling again. The 10 metres band was dead again, but I made 9 QSOs on 15metres with the furthest being a Swedish station, SM4LNE this time at 2396km. There was a contest on and both 20m and 40m were very busy. Combining this with the problem of excessive wind noise I packed and was off down the hill, again being careful to watch out for any big game hunters, but luckily, I met none! I did not try VHF in these conditions.

I was working on Monday but on Tuesday 9th January 2024 my XYL and I used public transport, La Palma city bus no. 4 to the station, then bus no. 304 to Santa Eugenia. This village is just east of a modest summit EA6/MA-053 (Puig de son Seguí, 319m, Latitude: 39.619, Longitude: 2.8129, QTH Locator: JM19jo). It was a pleasant journey on quiet roads, and we alighted to climb west uphill in the direction of the summit at around 11:30 hours. Mallorca is well served with waymarked footpaths, and we made good progress until we came to a small intermediate peak, Puig de Eugenia. On the top we found what appeared to be a fibreglass shell of a light aircraft fuselage. A bit of bizarre summit furniture (see photo).

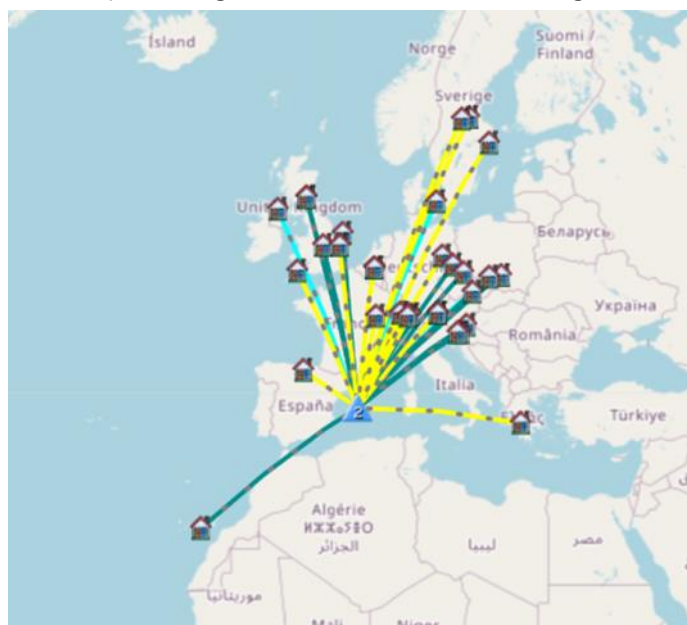


After the obligatory photographs we continued and had

a pleasant and wooded walk up to the large flat summit of the hill with no wind for a change. There was a trig pillar on a huge plinth requiring one to climb a set of rebar rungs to the top (see photo).



There is a tall fire lookout tower close to the trig pillar, but the access spiral staircase was locked, although I noticed at least one VHF antenna at the top (see photo). I set up my temporary shack away from the footpath using the resonant 20 metre half-wave inverted-V dipole supported in the centre on a vertical 4 metre telescopic fishing rod. The Elecraft KX2 was again used



and the ATU tuned the antenna to 10 metres, and I started calling CQ SOTA SSB just before 11:00hours UTC. BINGO, I made my first three 10 metre band QSOs for the 2024 SOTA challenge. I could hear other stations then the band just suddenly closed. There was reported to be some sporadic E and I made the QSOs to Denmark (OZ1RD, 1912km), Northern Ireland (Victor G14ONL, 1864km) and Poland (SP6KEP, 1702km). After the 10-metre success I made a further 15 QSOs on 15 metres then 14 on the 20-metre band, a total of 32

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QSOs. I went back up to 10 metres after this flurry of QSOs, but it just confirmed that the band was dead. Meanwhile, there was no radio traffic on my VHF handheld.

As I packed the shack, I simultaneously ate lunch, and we had a very pleasant saunter walk back to village with a short wait at the bus stop before we were conveyed back

to Palma after a successful trip. The remainder of the week was filled with work duties and return travel, but my short break to Mallorca saw over 60 QSOs and my initial success on the 10-metre band.

Summary

DATA is the winning mode this month with 390 QSO's (130- FT4, 260 - FT8, 0 - PSK31, 0 - PSK63, 0 - RTTY). next best was CW with 83 QSO's Out of the 557 QSO's where: CW = 83, SSB = 80, DATA =390, FM = 4, AM = 0. Best DX for the week for each Mode highlighted below:

HF CW, DATA & SSB

CW	Sat	Sat	18	V31XX	8011
	Sun	Sun	18	I18WWA	2218
	Mo	Mon	28	RX6AM	1870
	Tue	Tue	28	W4RN	5795
	We	Wed	14	K9MA	5900
	Thu	Thu	0	0	0
	Fri	Fri	0	0	0

Logged DATA QSO's were FT8 (260) & FT4 (130) & RTTY (0)

DATA	Sat	0	0	0	0	0
	Sun	14	ZL3RIK	18606	MM0DXH	FT8
	Mon	14	JK1GKG	9203	GM4UYZ	FT4
	Tue	21	VK6APK	14769	MM0DXH	FT8
	Wed	14	VK3EW	16975	MM0DXH	FT8
	Thu	24	ZF2RJ	7513	GM4UYZ	FT4
	Fri	21	LW5DD	11662	MM0DXH	FT8

SSB	Sat	14	SA4BLM	2503	EA6/M0YCJ
	Sun	14	N1W	5584	2M0PGO
	Mo	5	G3RID	626	MM0INE
	Tue	21	N6YYO	8364	MM0INE
	We	0	0	0	0
	Thu	14	HL2WA	8559	MM0KTC
	Fri	0	0	0	0

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VHF CW, FM & SSB – QSO's

DAT A	Sat	0	0	0	0	0
	Sun	0	0	0	0	0
	Mon	0	0	0	0	0
	Tue	0	0	0	0	0
	Wed	0	0	0	0	0
	Thu	0	0	0	0	0
	Fri	0	0	0	0	0

FM	Sat	144	MM0JSC	30	MMOLBF
	Sun	144	GM1RCP	28	MMOLBF
	Mon	0	0	0	0
	Tue	0	0	0	0
	Wed	144	GM8MJV	1	MMOLBF
	Thu	0	0	0	0
	Fri	0	0	0	0

As much as the above are the best statistics for all the modes in many ways it favours those who can run full power. To that end I have decided to break it down to four different power levels.

Power Level 1 to 10W (Caters for Foundation Holders and QRP Operators)

Power Level 11 to 50W (Caters for Data Modes and Intermediate Licence Holders)

Power Level 51 to 100W (Caters for those who have a Full Licence)

Power Level 101 to 400W (Caters for those who have a Full Licence and have Higher Power capabilities)

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Power Level 1 to 10W (Caters for Foundation Holders and QRP Operators)

MODE	DAY	BAND	Power	CALLSIGN	DISTANCE	OPERATOR	DATA MODE
AM	Sat	0	0	0	0	0	
	Sun	0	0	0	0	0	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
CW	Sat	18	5	V31XX	8011	MM0XDG	
	Sun	18	5	I18WWA	2218	MM0XDG	
	Mon	28	5	RX6AM	1870	MM0XDG	
	Tue	28	5	W4RN	5795	MM0XDG	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
DATA	Sat	0	0	0	0	0	0
	Sun	0	0	0	0	0	0
	Mon	0	0	0	0	0	0
	Tue	0	0	0	0	0	0
	Wed	0	0	0	0	0	0
	Thu	0	0	0	0	0	0
	Fri	0	0	0	0	0	0
FM	Sat	0	0	0	0	0	
	Sun	0	0	0	0	0	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
SSB	Sat	14	10	SA4BLM	2503	EA6/M0YCJ	
	Sun	21	10	SM5LNE	2396	EA6/M0YCJ	
	Mon	0	0	0	0	0	
	Tue	14	10	SM4CJM	2511	EA6/M0YCJ	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	

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(Continued from page 15)

Power Level 11 to 50W (Caters for Data Modes and Intermediate Licence Holders)

MODE	DAY	BAND	Power	CALLSIGN	DISTANCE	OPERATOR	DATA MODE
AM	Sat	0	0	0	0	0	
	Sun	0	0	0	0	0	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
CW	Sat	18	30	K2VV	6406	MM0LBF	
	Sun	0	0	0	0	0	
	Mon	21	20	HB9DNP	1201	MM0LBF	
	Tue	0	0	0	0	0	
	Wed	21	15	I18WWA	1854	MM0IVR	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
DATA	Sat	0	0	0	0	0	0
	Sun	14	50	ZL3RIK	18606	MM0DXH	FT8
	Mon	14	50	JK1GKG	9203	GM4UYZ	FT4
	Tue	21	50	VK6APK	14769	MM0DXH	FT8
	Wed	14	50	VK3EW	16975	MM0DXH	FT8
	Thu	24	50	ZF2RJ	7513	GM4UYZ	FT4
	Fri	21	50	LW5DD	11662	MM0DXH	FT8
FM	Sat	144	40	MM0JSG	30	MM0LBF	
	Sun	144	40	GM1RCP	28	MM0LBF	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	144	40	GM8MJV	1	MM0LBF	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
SSB	Sat	0	0	0	0	0	
	Sun	14	50	N1W	5584	2M0PGO	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	

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Power Level 51 to 100W (Caters for those who have Full Licence)

MODE	DAY	BAND	Power	CALLSIGN	DISTANCE	OPERATOR	DATA MODE
AM	Sat	0	0	0	0	0	
	Sun	0	0	0	0	0	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
CW	Sat	21	100	UA1CE	1973	MMOLBF	
	Sun	7	100	I15WWA	1870	MIOWST	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	14	100	K9MA	5900	MIOWST	
	Thu	21	100	UA1CE	1973	MMOLBF	
	Fri	7	100	I15WWA	1870	MIOWST	
DATA	Sat	0	0	0	0	0	0
	Sun	0	0	0	0	0	0
	Mon	0	0	0	0	0	0
	Tue	0	0	0	0	0	0
	Wed	24	80	K18POE	6823	MMOLBF	FT8
	Thu	0	0	0	0	0	0
	Fri	0	0	0	0	0	0
FM	Sat	0	0	0	0	0	
	Sun	0	0	0	0	0	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
SSB	Sat	0	0	0	0	0	
	Sun	0	0	0	0	0	
	Mon	5	100	G3EID	626	MMOINE	
	Tue	0	0	0	0	0	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	

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(Continued from page 17)

Power Level 101 to 400W (Caters for those who have a Full Licence and have Higher Power capabilities)

MODE	DAY	BAND	Power	CALLSIGN	DISTANCE	OPERATOR	DATA MODE
AM	Sat	0	0	0	0	0	
	Sun	0	0	0	0	0	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
CW	Sat	0	0	0	0	0	
	Sun	0	0	0	0	0	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
DATA	Sat	0	0	0	0	0	0
	Sun	0	0	0	0	0	0
	Mon	0	0	0	0	0	0
	Tue	0	0	0	0	0	0
	Wed	0	0	0	0	0	0
	Thu	0	0	0	0	0	0
	Fri	0	0	0	0	0	0
FM	Sat	0	0	0	0	0	
	Sun	0	0	0	0	0	
	Mon	0	0	0	0	0	
	Tue	0	0	0	0	0	
	Wed	0	0	0	0	0	
	Thu	0	0	0	0	0	
	Fri	0	0	0	0	0	
SSB	Sat	14	400	YO7MPD	2144	MMOINE	
	Sun	0	0	0	0	0	
	Mon	0	0	0	0	0	
	Tue	21	400	N6YYO	8364	MMOINE	
	Wed	0	0	0	0	0	
	Thu	14	400	HL2WA	8559	MMOKTC	
	Fri	14	400	YO7MPD	2144	MMOINE	

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The turnout out this month was excellent with a total of eleven people taking part. A welcome back as well to David MM0XDG, hopefully the first of many!!! Thanks to everyone for your logs they are so much appreciated, and I hope you continue for 2024 and into the future

Below is something I have been looking at more for curiosity's sake is to see the most active days of the week that people take part in the Activity Week and on what modes.

Total QSO's Per Day

Day of the	Total QSO's	MODE				
		AM	CW	DATA	FM	SSB
Sat	90	0	61	0	2	27
Sun	124	0	3	108	1	12
Mon	31	0	3	25	0	3
Tue	135	0	4	96	0	35
Wed	86	0	12	73	1	0
Thu	19	0	0	16	0	3
Fri	72	0	0	72	0	0
	557					

The next Activity Day is any day starting on the week beginning the 10th and ending on the 16th February 2024 the Second for 2024.

New logsheet for the 2024 Activity Weeks, [2024-ACTIVITY-FULL-WEEK-LOGSHEET-V1.8.xlsx](#)

Participants

Summary of who did what:

Out of the 557 QSO's where: CW = 83, SSB = 80, DATA =390, FM = 4, AM = 0.

Bob GM4UYZ CW: 10 x 80M, 42 x 40M, 1 x 20M
 DATA: 2 x 40M, 104 x 20M, 12 x 17M, 9 x 15M, 1 x 12M, 4 x 10M

Derek MI0WST CW: 1 x 40M, 1 x 20M

Jim MM0DXH DATA: 142 x 20M, 49 x 15M, 35 x 10M

Keith MM0KTC SSB: 2 x 20M, 1 x 10M

Martyn MM0XXW CW: 3 x 17M, 1 x 15M
 DATA: 7 x 12M
 FM: 1 x 15M, 4 x 2M

Pete MM0INE SSB: 3 x 60M, 1 x 20M, 1x 17M, 2 x 15M

Ronan MM0IVR CW: 1 x 40M, 3 x 20M, 1 x 15M

Bob MM0LBF CW: 3 x 17M, 2 x 15M
 DATA: 7 x 12M
 FM: 4 x 2M

Colwyn MM0YCI/P SSB: 23 x 20M, 41 x 15M, 3 x 10M

David MM0XDG CW: 1 x 20M, 2 x 17M, 3 x 15M, 5 x 10M

Paul 2M0PGO DATA: 13 x 20M
 SSB: 1 x 40M, 1 x 20M, 1 x 12M

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*If you wish to see where all your contacts were within the world upload your ADI file to <http://analyzer.adventureradio.de/> where there are various options that can be looked at e.g. Band, Mode, etc
A nice piece of software – Thanks to Jimi MM0JTX for the heads up on this.*

DATES FOR YOUR DIARY FOR 2024 ACTIVITY WEEKS

Note: Changes made for 2022 where you can take part every single day of the week, or multiple days or just a single day and this will continue into 2024. There is a new recording spreadsheet which is downloadable from the club's website download section and comes into effect on the 1st January - [2024-ACTIVITY-FULL-WEEK-LOGSHEET-V1.8.xlsx](#)

MONTH 2024	ACTIVITY WEEK
February	10th to 16th February
March	9th to 15th March
April	13th to 19th April
May	11th to 17th May
June	8th to 14th June
July	13th to 19th July
August	10th to 16th August
September	7th to 13th September
October	12th to 18th October
November	9th to 15th November
December	7th to 13th December

Thanks for taking part in the activity day week and I hope you will continue to do so for 2024. The dates for 2024 are now set, see the above table so would love to see more on as well so why not make it your 2024 target.

Bob GM4UYZ

Colin Wright writes:

*There is a local guy - Ian Huggan from Aerial Medic based in Ormiston who can rig amateur aerials .
He can supply lashing kits , but does not have thick walled alloy poles
He is about to do work for me. He is fine supplying labour only, has other sundry items as needed*

I met him today , seems reliable

Contact Details

Ian Huggan
Aerial Medic
www.aerialmedic.co.uk
07526 780038



Contest Calendar

For anyone interested in contesting there is something for everyone. Contesting is not just about winning although that is the aim; it is about taking part, having some fun, honing your operating skills, helping you understand propagation and It is also a good opportunity to test out your station at home to see how it is performing.

Happy Contesting.....

Extracts are from the RSGB Radio Sport VHF & HF Contest, UKEICC Contest and the WA7BNM Contest Calendar see web links below:

<https://www.rsgbcc.org/cgi-bin/readcal.pl> - **RSGB VHF Calendar**

<https://www.rsgbcc.org/hf/> - **RSGB HF Calendar**

<https://www.ukaiccc.com/> - **UKEICC Contest Calendar**

<http://www.hornucopia.com/contestcal/perpetualcal.php> - **WA7BNM Contest Calendar**

February 2024

Vermont QSO Party	0000Z, Feb 3 to 2359Z, Feb 4
10-10 Int. Winter Contest, SSB	0001Z, Feb 3 to 2359Z, Feb 4
European Union DX Contest	1200Z, Feb 3 to 1200Z, Feb 4
Mexico RTTY International Contest	1200Z, Feb 3 to 2359Z, Feb 4
FYBO Winter QRP Sprint	1400Z-2359Z, Feb 3
Minnesota QSO Party	1400Z-2359Z, Feb 3
British Columbia QSO Party	1600Z, Feb 3 to 2359Z, Feb 4
AGCW Straight Key Party	1600Z-1900Z, Feb 3
North American Sprint, CW	0000Z-0359Z, Feb 4
RSGB 432MHz AFS	0900Z-1300Z, Feb 4
RSGB 80M CC SSB	2000Z-2130Z, Feb 5
ARS Spartan Sprint	0200Z-0400Z, Feb 6
UKEICC 80M SSB	2000Z-2100Z, Feb 7
EACW Meeting	1900Z-2000Z, Feb 8
CQ WW RTTY WPX Contest	0000Z, Feb 10 to 2359Z, Feb 11
SARL Field Day Contest	1000Z, Feb 10 to 1000Z, Feb 11
Asia-Pacific Spring Sprint, CW	1100Z-1300Z, Feb 10
SKCC Weekend Sprintathon	1200Z, Feb 10 to 2359Z, Feb 11
KCJ Topband Contest	1200Z, Feb 10 to 1200Z, Feb 11
Dutch PACC Contest	1200Z, Feb 10 to 1200Z, Feb 11
RSGB 1st 1.8MHz Contest	1900Z-2300Z, Feb 10
CQC Winter QSO Party	0100Z-0259Z, Feb 11
4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Feb 12
ARRL School Club Roundup	1300Z, Feb 12 to 2359Z, Feb 16
PODXS 070 Club Valentine Sprint	0000Z-2359Z, Feb 14
RSGB 80M CC DATA	2000Z-2130Z, Feb 14
NTC QSO Party	1900Z-2000Z, Feb 15
ARRL Inter. DX Contest, CW	0000Z, Feb 17 to 2359Z, Feb 18
Run for the Bacon QRP Contest	2300Z, Feb 18 to 0100Z, Feb 19
AGCW Semi-Automatic Key Evening	1900Z-2030Z, Feb 21
RSGB 80M CC CW	2000Z-2130Z, Feb 22
CQ 160-Meter Contest, SSB	2200Z, Feb 23 to 2200Z, Feb 25
REF Contest, SSB	0600Z, Feb 24 to 1800Z, Feb 25
UBA DX Contest, CW	1300Z, Feb 24 to 1300Z, Feb 25
North American QSO Party, RTTY	1800Z, Feb 24 to 0559Z, Feb 25
High Speed Club CW Contest	1400Z-1700Z, Feb 25
North Carolina QSO Party	1500Z, Feb 25 to 0100Z, Feb 26
RSGB FT4 Contest	2000Z-2130Z, Feb 26
SKCC Sprint	0000Z-0200Z, Feb 28
UKEICC 80M CW	2000Z-2100Z, Feb 28

TEST YOUR KNOWLEDGE

1. **Signals from a transmitter working on 3.56MHz are reported as causing interference over the whole of the FM broadcast radio band. This is probably caused by a harmonic of the RF signal getting into the**
 - a. RF Amplifier
 - b. 10.7 MHz IF amplifier
 - c. AF amplifier
 - d. Power supply
2. **Masthead pre-amplifiers intended to improve TV broadcast reception are often**
 - a. Narrow Band devices
 - b. Wide Band devices
 - c. Pre-tuned to VHF bands
 - d. Pre-tuned to UHF bands
3. **Unwanted RF can cause problems in semiconductor equipment by**
 - a. Overheating the components
 - b. Reducing the gain
 - c. Overloading the power supply
 - d. Rectification at PN junctions
4. **A ferrite ring can minimise breakthrough onto speaker leads of audio equipment by**
 - a. Reducing the current carrying capacity of the leads
 - b. Screening the leads from radio waves
 - c. Improving the insulation of the leads
 - d. Increasing the inductance of the leads
5. **Breakthrough on one particular frequency is best cured by which of the following?**
 - a. Balun
 - b. Ferrite Bead or beads
 - c. Low-pass filter
 - d. Notch filter
6. **At a distance from a transmitter the power flux density (p.f.d) is 1W/m^2 and the field strength (f.s) is approximately 20V/m . At twice that distance the p.f.d. is**
 - a. 0.5 W/m^2 and f.s. is 10V/m
 - b. 0.25 W/m^2 and f.s. is 10V/m
 - c. 0.5 W/m^2 and f.s. is 5V/m
 - d. 0.25 W/m^2 and f.s. is 5V/m
7. **Powering a transmitter in a car, via the cigarette lighter socket is**
 - a. A simple and safe solution for a temporary installation
 - b. Acceptable if the current required will not exceed about 5A
 - c. Ill advised because the lighter socket is intended for intermittent use
 - d. Ill advised because of the risk of RF entering the car electronics
8. **When there is an EMC problem due to lack of immunity in the TV receiver, and no fault is attributable to the amateur station, it is the responsibility of the**
 - a. RSGB
 - b. Amateur licence holder
 - c. TV owner
 - d. Broadcast authority
9. **UK TV broadcast stations use the frequency band**
 - a. 455 – 500KHz
 - b. 33 – 40MHz
 - c. 470 – 854MHz
 - d. 1240 – 1260MHz
10. **If an FM transmission causes the picture of a TV receiver to disappear, this form of breakthrough is called**
 - a. Under deviation
 - b. Cross-modulation
 - c. Image
 - d. Blocking

CLUBLOG TABLES

The 2024 table has now started and I'll start publishing the results in February

You can join in at any time, simply sign up to clublog.org, submit your log and apply to join the CPSARC club there (club members only, random applicants will be refused)

John MM0JXI

Rank	Callsign		160	80	60	40	30	20	17	15	12	10	6	DXCC	Slots	Range
1	MM0DXH	Jim	0	0	0	0	0	59	0	39	0	54	0	87	152	21 yrs
2	M0RNR	Brian	7	5	19	26	31	9	0	18	20	36	0	74	171	25 yrs
3	MM0XXW	Martyn	0	1	0	10	41	28	14	17	22	13	0	68	146	18 yrs
4	GM4UYZ	Bob	0	2	0	6	0	23	8	6	1	3	0	30	49	44 yrs
5	2M0EGH	Tommy	0	0	0	0	0	3	0	0	0	1	0	4	4	7 yrs
6	2M0BEC	Martin	0	0	0	0	0	1	0	0	0	0	0	1	1	18 yrs

Club Attire

The club has a design for Club T-shirts, Polo-shirts, Sweat-Shirts, Fleece and Jackets and all of these can be obtained from Patricia Bewsey Designs

When making an order please quote 'Cockenzie & Port Seton Amateur Radio Club' to ensure that the Club Logo will be placed on the required garments.

Cost will depend on garment and should cover the garment and logo, call sign addition will be extra.

If you wish to add your call sign to the logo then please ask at the time of the order.

Order from:

PATRICIA BEWSEY DESIGNS,

Tel/Fax: 01620 850788

Mobile: 07970 920431

Email: patricia.bewsey@gmail.com

Note: the shop at Fenton Barns is now closed

Club Events

2 February 2024	Club Night
10-16 February 2024	Activity Week
13 February 2024	Radio Check Night at Cockenzie Royal British Legion
1 March 2024	Club Night
9-15 March 2024	Activity Week
12 March 2024	Construction Night
5 April 2024	Club Night
13-19 April 2024	Activity Week
21 April 2024	Blackpool Rally
3 May 2024	Club Night
11-17 May 2024	Activity Week
10 May 2024	144MHz DF Hunt
14 May 2024	Club SOTA Activation—North Berwick Law
1 June 2024	Port Seton Gala Day
7 June 2024	Club Night
8-14 June 2024	Activity Week
15/16 June 2024	Museums on the Air weekend (possibly Prestongrange Mining Museum)
28 June 2024	Club Night (early due to VHF Field Day)
6/7 July 2024	VHF Field Day—Dumfries Barloco Farm
13-19 July 2024	Activity Week
27/28 July 2024	RSGB IOTA Contest GM2T from the Isle of Tiree
2 August 2024	Club Night
9 August 2024	Mini Rally
10-16 August 2024	Activity Week
6 September 2024	Club Night
7-13 September 2024	Activity Week
4 October 2024	Club Night
12-18 October 2024	Activity Week

Answers from February 2024 newsletter "Test Your Knowledge":

1B, 2B, 3D, 4D, 5D, 6B, 7D, 8C, 9C, 10D