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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.

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.

Editorial

First of all I would like to take this opportunity to wish each and every one of you and your families a VERY HAPPY, HEALTHY and PROSPEROUS NEW YEAR. Well folks another year has gone and here we are starting another brand new year. What does the future hold for us, well that is the million-dollar question? Hopefully, things will be back to normal, when is the question? The Coronavirus pandemic has certainly hit club events hard in 2020 and it looks to continue into 2021. The only consolation is that it is affecting everyone around the world and not just us.... Hope the virus vaccine that has been announced and now being implemented will kill the virus off as the vaccine is a "major step forward in the fight against Covid-19", fingers crossed. The club has survived 36 years so far due to all your efforts so let us keep it up the good work. Remember it is your club.

My New Year's resolutions are to try and get on the air a lot more often than I have been doing. In 2020 the Activity days certainly encouraged me, and I managed to get on, on all the twelve months. I thought that I would have had more time to get on the radio, but I really do not know where the time has disappeared too, it is true what they say about when you retire, "How on earth did I find time to work !!!" Plan for 2021 is try and operate more.... fingers crossed. I must also try and clear some of my

outstanding "shack" tasks. Easier said than done with so many background tasks that seem to appear and need dealing with, any way I am going to try.

So, what happened over the last year...?

On the Activity Days it was nice to see others taking part and getting on the air so hopefully everyone will continue and of course I hope many others come in and take part. There is no change to the "rules" for the Activity Day in the fact that a week has now been assigned and you can select and submit what day that you go on the air. This certainly offers total flexibility to those who struggle to get on the air on an assigned date and has encouraged more of you to take part. In 2019 there was the new ITALIAN TROPHY and the BOB PURVES GM4IKT TROPHY to try and encourage everyone to take part and try and work as many Italian Prefixes as possible across all the bands using any of the following modes – CW, DATA, SSB, FM, AM, sadly the only entrant that took part was myself so why not go back through your logs for 2020 and submit a 2020 entry. It has run throughout the year where you can update the recording spreadsheet ITALIAN AREAS Tracking V8.0.xlsx which can be downloaded from the Club's Website under the download section. This is in memory of Bob GM4IKT

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who died back in 2017. "Bob just loved working Italians" so very apt. I am not holding my breath for lots of entries as there has been no chit chat about this. It will be sad if this is the case as this was something Bob wanted to happen. I will judge any entries for 2020 after the last submission date of the 10th January 2021 and announce the winners via the usual media Newsletter, Facebook, and Website.

BAD and GOOD NEWS

Like in the previous year's I am using the January's editorial as an opportunity to recap on the previous year.

The only good news was that Gary MM0FZV became a grandad, you are not that old are you Gary? His daughter Sarah gave birth to a baby girl back on the 22nd March. Congratulations. The bad news of the year and if I am honest, I hate doing this section... In February Malcolm MM0YMG sadly lost his father, in April John MM0CCC lost his mother after a long illness. At the end of June Ron MM0NTL lost his wife Sylvia 2M1FMX. In December Martyn MM0XXW sadly lost his mother and sadly Russell GM0CBX passed away after a short illness (Russell was one of the founder members of the radio club) as always, our thoughts go out to all the families. If I have missed anyone then I do apologise it is not meant

CLUB ATTENDANCE

On the club's attendances for last year it has been devastated due to the Coronavirus as we have not been able to meet up. We managed to meet up in January, February, and March with also a limited meet ups in August and September. I know for myself I have really missed our get together with all the usual chat and banter that takes place. We ran a Virtual Club Night in December to see how it worked and it was a resounding success so Club Nights for the foreseeable future I will run them via ZOOM until the pandemic is over.

Due to the pandemic and our limited meetings, we have averaged 14 people at club nights obviously a massive drop (Measurement taken on the 6 months we met – Pub & Virtual). 31 people have attended by either coming through the door or via the Virtual Meeting plus another 14 have supported the club by their donations. This year we cannot measure any trends, but I am hoping when we get back to normality the trend will go in an upwards direction.

Some statistics for those that like them or is it just me...Since I started keeping the "register" from

November 1992 some 316 people have attended our Club Night (Note: To become a Club member then a person must attend our monthly Friday Club Night). They just need to come through the door and they become an automatic member. The subject of "club fees" I will mention under the Club Accounts section). The average monthly attendance since 1992 is 19.2 people.

It is my dream New Year's resolution to have many people turn up to our club night, as I say it is a dream. What can we do to encourage further new faces as well as to encourage everyone who has been before to come more often. The Foundation, Intermediate and Full Courses have certainly created some of the new attendees and long may that continue but a lot of promises of attending have never materialised. I always live in hope that some of the old regulars will return to the fold but we will have to wait and see. I still feel though that we have a very strong and healthy club but as I have said before it is down to you all making it that way.

In general for those who do not attend I keep on asking the question on what is required to make you come along but sadly I cannot find an answer. Are you just fed up? Are you just not interested in what is happening, tell me what needs changing and I will try my best to make it happen? Do you not like the club now, then why not? What has changed your opinion? I am sure there are many more questions that need asking and answering. From my side of the fence and I have mentioned this before, where I spend an extreme amount of time to run the radio club and try and give a varied events program plus all the other items that make it a club then lack of response just feels demoralising. I feel it more when I get no feedback from emails as an example, when I go need a response as it just leaves everything so much in limbo - have they read the email, do they want to participate in whatever the request is, what decision will I take, will it be right, or will it be wrong, etc. I do certainly get very "down" at times (not for a long time I may add), to say the least and I have on a few occasions felt like throwing the towel in but if I do that then APATHY wins. I do plead with you all to try and take along hard look at what you want out of the club and then act positively to try and achieve that. Apathy is about negative thinking so lets try and turn it around to positive thinking and "buck" the apathy way. POSITIVE THINKING is my New Years Resolution to you all.....

TRAINING

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From the training aspect once again we have run Foundation, Intermediate and Full Courses and since January 2020 to now as I write this, we have taught the following number of candidates 11 Foundation (1 Class Course, 3 Home Study, 7 x Zoom Training), 5 Intermediate (3 Class, 1 Self Study, 1 On-Line)) and 6 Full (1 Course and 1 On-Line as he missed the exam in March due to being in the UAE with work) a total of 10 Saturdays delivering training... We had the following passes - 7 out of the 11 people taking the Foundation (still 2 awaiting their exam date and result) exam 63% Pass rate but if the 2 awaiting their exam pass then the pass rate will be 81%, 6 out of 6 on the Intermediate exam they all passed so 100% record and lastly 4 out of 6 passed the Full (Advanced) exam (up to August 2020) so a 66% pass rate.

We have the first Intermediate course for the 2020/2021 session starting on the 9th January and will be done by ZOOM. This is very much a trial to see how it goes. I hope to try a Full Licence Course via ZOOM but as, yet it is not organised, so I am sure you will go along with me and wish them all the best whichever course and exam they take.

Starting in September 2019 there was the start of the total new syllabuses for all the levels, Foundation, Intermediate and Full and it was slightly changed again starting the 1st August 2020. I started working on the new syllabus changes on my PowerPoints for all courses as soon as it was issued and when the further changes arrived on the 1st August 2020 which took me about another two months to complete although I am still "tweaking" what I have done. I was not doing it every day, but I was most days. I really do not think people realise how much work goes into preparing training I think that they just think it happens. Reading some of the forums it is certainly an impression that I got...as some tutors were not prepared to do the work themselves and wanted it done for them.

So far as there are no Face-to-Face training allowed now, I have still managed to deliver Foundation Courses by ZOOM so basically still a managing to offer training via that method.

Statistics on the Club's Training Program.

I started in March 1995 teaching the Novice Licence so basically the teaching has been running now for 25 years which I just cannot believe. Since 1995 a total of 367 people has done their training at CPSARC. Some have just taken one course (196 people), others two

courses (79 people), and some all three courses (91 people). I taught 26 Novice Licences before moving onto the structure as it is now of which 341 people have done the new Foundation, Intermediate and Full course structure with 11 having studied the new 2019 syllabus. A question I was asked on what percentage have moved between the various licences -- 189(55%) have moved to get their Intermediate Licence and out of the 189 then 133 (40%) have moved onto their Full Licence.

Later in 2021 I will be announcing the 2021/2022 program so anybody interested can you or they let me know and I will add them to my "future" lists. For those interested can you get them to contact me direct at bob.gm4uyz@talktalk.net or Tel: 01875 811723, also full details can be found on the club's website as well. With regard to the site facilities to deliver the training I certainly must thank the Port Seton Community Centre. The centre staff has certainly been extremely helpful in ensuring that everything runs smoothly for us. I also must really offer a huge thanks to Cambell MM0DXC for invigilating the exams plus all the extra effort and support that he offers as I deliver the courses, to Cephas MM0INS and Gary MM0FZV who help Cambell invigilate, Tom GM4LRU for the practical on the air sessions and to all the others who have done their part in helping the candidates get their licence. Due to the Covid and ZOOM classes Cambell, Tom, Cephas and Gary have not been used as much but once we get back to normal, they all will

RALLIES, SPECIAL EVENTS and DF NIGHTS

Sadly, in 2020 no rallies, Special Events (GB2LBN & GB2NMM) and our two DF nights never happened due to coronavirus. Special Events not sure whether they will happen in 2021 as yet to be seen as at present I need to contact the Mining Museum, in the to-do list and also I am trying to book the lighthouse buildings but no success as yet. Regard the lighthouse as the house has been renovated and now being used for a holiday let, we managed to secure the weekend in 2019 at a price that was manageable, but it was not available in 2020 as it was already let out (Did not make any difference as we could not have used it due to the Covid Restrictions). If we don't get the access for 2021 then we will have to look at alternative places to see if we can operate from them, bottom line we may end up doing nothing in 2021. The question is how many other clubs are going to be hit with the same costs and thus must pull out of these types of events. Money again spoiling it for everyone. Port Seton Gala although in the Calendar we did not manage to do as it as it is normally done by me,

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but I was not available. There is still great doubt if many or any will happen in 2021 unless we can beat the virus. Fingers crossed we can....

CLUB EVENTS

Moving on and from the official events calendar we started out in January which was a quiet month then in February we had our annual radio check night by John MM0JXI, a very useful night indeed, nice to see it was well supported and thanks John for your continuing support here. From March onwards all club events were cancelled due to the Coronavirus.

GENERAL OPERATING

This year we ran once again the Activity Day each month to try and encourage people to come on the air once a month and do some operating. This year was again you could pick any day within a designated week period. This change has been well accepted and proved to be popular as it gave lots of flexibility. The event was generally well supported although I would have liked a few others to have taken part. It is certainly a good bit of fun. I intend running the monthly Activity Days throughout 2021 using the 2016 format of picking a day within a designated week so again I hope you will support the event. How have we fared over the year 2020? A report can hopefully be found in this month's newsletter. For those who did not take part, honest it is just about having a bit of operating fun for a few hours and seeing what you can achieve.... It can be quite surprising.

CLUB TROPHY – Left Handed Capacitor

Back to 2009, we ran a challenge as part of our 25 Years Club Anniversary. As part of this challenge, a trophy, "Left Handed Capacitor Trophy" in memory of Vic GM4GGF was awarded to the winner of the Foundation Licence holder with the "most Distant QSO". Martyn MM0XXW, then MM3XXW won this.

Another challenge where the trophy could be once more presented, but this time on an annual basis was created in 2011. The idea that came up trumps, (thanks Cambell MM0DXC), is to present it to the person who has been licensed for up to one year, and makes the greatest number of QSO's during our Special Event Stations and other designated club operating activities. The aim is to encourage newer operators to "operate" and help overcome any microphone hesitancy

Criteria:

Those taking part must have obtained their Foundation Licence within the previous year, even though at the time of taking part may have obtained their Intermediate or even Advanced Licence.

The year will run from the 1st May through to the 30th April. This covers the club's September to April training program

Entrants must be able to identify that they obtained their Foundation Licence at some time during the stipulated year dates.

Entrants need not have been trained by the Club for all the three licences but must have at least obtained one of them via the Club's training program.

Entrants must operate at the Special Events run by the club over the specific year period. Normal events that the club participates in each year are the Port Seton Gala Day (MM0CPS), National Mining Museum (GB2NMM) and Lighthouse Weekend (GB2LBN). It now includes our monthly Activity Days. There may be others depending on requests and these will also be included.

In 2019 the trophy was won by Andy MM6PMQ from the 2018 to 2019 period so congratulations. (Sadly, I have been unable to present this to Andy due to the Covid restrictions). For this coming period and the new entrants there has been a few active so will have something to report next year.

CONTESTING

Contesting suffered the same fate as most other events that our main contests did run but not in a manner to allow us to operate as a Multi-Operator Station... A few of the club members over the year took part in various contests from home as single operators. On the VHF/UHF contesting front we managed only the 2M Trophy with no 6M Trophy, no VHF Field Day, and no PW 2M QRP contest activity. The plans for 2021 will hopefully come to fruition and once again see some activity on both HF and VHF. The lighthouse at Barns Ness, Dunbar is already booked for CQWW SSB in October 2021.....

JUNK NIGHT

No Junk night this year hopefully it will return in August 2021

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NEWSLETTER & WEBSITE & FACEBOOK

On the newsletter front it is still very much in demand and although copies are still handed out at club night (when we can meet) there are many, many more downloaded from the club's website. Many thanks to those who have contributed and I hope you will still continue but as always I am pleading to everyone out there for lots more input as I do need help as I really do struggle each month trying to find and write about interesting articles. Remember the newsletter is everyone's newsletter and without input it will not survive. Remember also that it offers a window to the outside world showing them what we are doing, etc, etc, so come on can I have some input from you all. Please send any articles to John MM0JXI, thanks. For regular paper copy readers you will notice that the newsletter has been printed in colour for quite a long time. Thanks to John MM0JXI carrying the colour print on.

The club's website I certainly feel is going from strength to strength and is very much a club focal point. After the website being hacked in 2011 John has worked hard in the background getting it back to a fantastic website and advert for the club. As always with the website there is a lot of background work going on as John strives hard to make it even better... Massive thanks to John MM0JXI for all his background hard work in achieving this. I know it involves a lot of John's free time. The same applies regarding the newsletter productions from us all John many, many thanks.

To help club promotion we also have a Facebook page. Access to the page is to search for CPSARC on Facebook. Once on the page you can apply to join the group if you so wish. It certainly has taken off and is a very active addition to the club's portfolio. Thanks to Cambell and John for getting this off the ground.

CLUB GARMENTS

Lastly as a reminder we have a Club Logo and garments can be obtained from Patricia Bewsey Designs, Patricia closed her Fenton Barns Shop and now works from home. See details in the newsletter on how to obtain your Club Garments.

CLUB PREMISES

The quest to try and obtain our own club premises well we are now nearly thirteen years into this quest and as yet nothing secured. I must admit it is a harder task than even I first imagined. We have not given up hope on this task so if any one does see some opportunity then

please let us know and it can be taken from there or why not do a little bit of groundwork yourself and then let us know.

CLUB ACCOUNTS

A full copy of our 2020 accounts will be included in the newsletter. The way that the money is raised is from our Junk Night (none raised in 2020 due the not being able to run the event), donations given at our club nights plus events where we need to raise the money to pay the hire of the Community Centre or other items. We have also this year had a legacy donation given to us of which I was really surprised and shocked to receive, it actually made me speechless and that is unknown, The club night donation is "would you like to donate £2" is the way it is done or in January you can donate the £24 for the year (helps me enormously). There is also a facility via Paypal to pay your fees and it places the money in a PayPal Pool so what goes in we receive so no PayPal charges. Access to Paypal is via the club's website front page at www.cpsarc.com. We do not have fixed "Annual Fees" although this has been suggested it doesn't comply with the club ethos of "willing" to help the club by forcing people pay a sum of money.

GENERAL

There was no RSGB Club of the Year competition as the RSGB seems to have cancelled it. As far as I know it looks it has gone forever!!!!

As you can see 2020 was quite a strange year all round. Now we are into 2021 another events program has been created so hopefully we will be getting back to normal. Club nights will be run as Virtual Club Nights for the foreseeable future, Activity Week as normal but as for the others we will keep our fingers crossed so whatever we do why not come along and take part. It is what a club is all about.....

Enjoy the newsletter and club night...

Bob GM4UYZ

Request from a QSL Manager

Richard MM0CPZ is the QSL Manager for the MM and 2M series of callsigns and what is written below also applies to any other QSL Manager...

For those who want to receive QSL cards via the RSGB bureau then first you need to be a member of the RSGB if not you can pay a fee to the RSGB to receive cards from the bureau. You **must** place stamped, addressed envelopes (SAE's) with your respective QSL Manager for your cards to be sent to you, basically no envelopes in bureau, no cards sent to you.

From Richard MM0CPZ mmand2m@yahoo.com

I have only recently taken over the sub bureau and about 50% of the cards that arrive here have no SAEs

BOB PURVES GM4IKT Trophy & Italian Trophy – LAST PROMPT

Just a reminder that I need your Tracking Spreadsheet by the 10th January 2021 at the extreme latest to allow me to adjudicate entries to work out the Trophy winners.

There are two trophies "up for grabs"

- BOB PURVES GM4IKT TROPHY – New Foundation Licences obtained within 3 Year Periods For 2020 Period Foundation Licences gained in 2017, 2018, 2019
- ITALIAN TROPHY – Open to all Licensees

lodged. Looking on QRZ.com does not always help me and even when I have sent emails and snail mail the response rate is not 100% for whatever reasons. So, could I be cheeky and ask you to share my dilemma with your members at some point and suggest they email me to confirm if they wish to receive QSL cards or not or if they prefer other methods. This would be a huge advantage to me in sorting incoming cards. I do so hate disposing of unclaimed cards after 90 days. Could you also remind individuals to be specific on their QRZ.com pages on their QSL routes as well? Many thanks.

Richard Roberts

If you do wish to take part, then you can download the recording spreadsheet and rules from the club's website. <http://cpsarc.com/downloads/>

BOB PURVES GM4IKT and ITALIAN Trophy Rules - 2019V2.0.doc
ITALIAN AREAS Tracking V8.0.xlsx

Look forward to receiving your entry.....

Club Attire

The club has a design for Club T-shirts, Polo-shirts, Sweat-Shirts, Fleeces 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

Activity Day Report

December Activity Day – “YOUR” selected date between 6th to 12th December 2020 00:00 to 23:59

This was our twelfth and last of 2020 where you can select your date to operate during the one-week selected period..... so reports below on who or who did not manage to take part

Activity Day Rules and updated log sheet for 2020 have now changed:

Can be found using the following link:

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

Look under Activity Days or just the Download for the files

So that you are all ready for the 2021 Activity Days then the 2021 files are as follows

2021-ACTIVITY-DAY-LOGSHEET-V1.23

2021 Monthly Activity Day Rules V2

Apologies first:

Julian MM0YTA

I was not able to get on the air this month as my time has been spent finishing off the building project. Hopefully, I will have more time in 2021.

Colwyn MM0YCJ

Owing to the Covid-19 restrictions I have been unable to get out and transmit from any hills, so it is a nil return from me this month.

Rafe MM0RPX

Apologies, I do not have any logs. I have been slammed with work stuff for the last “wee” while. Do not know if you have seen the headlines on the cyberattacks in the US but that is one thing keeping me busy :)

Craig MM0NBW

Unfortunately, not - again...

Jimi MM0JTX

My first bpsk31 on Sat 4th. Some ft8 on Sun 13th to check some changes I made... Got my first Russian contact. Nothing in between, sorry.

I am trying to be more active though and I think my new years' resolution will be to get activity day contacts (even if only ft8) every month for 2021.

I almost had a USA dx on bpsk31 on Sunday... But he could not quite get my call, and then he disappeared.

My aim is and always has been CW though. I just purchased "morse mania" on the Android store, and it is good (for my learning style)

Reports:

Bob GM4UYZ

After having the last three weekends on CW I decided I would go on data and try FT4. Still had some FT8 contacts though. It then got really busy and I discovered there was a RTTY contest running on FT4 and it took me a little while to find out how to configure FT4 to run the contest. Eventually I did and made a few QSO's. Stopped when the program was crashing for some reason. On reboot it was ok so do not know why that was happening. Anyway, still had some fun

James MM0LQF

I have finally got a proper antenna up for 40m, which is good. I have also finally solved some RFI problems meaning I can now operate at >10w. The highlight of this activity day for me was working St. Lucia on FT8.

I had set myself a challenge when I got my new HF rig in February, that I would try to make 1000 (digital) QSOs this year, and I am incredibly happy to have achieved over double that figure.

Andy MM0GYG

Log attached. FT8 this month as there was a competition on in the CW frequencies and I could not find anyone sending CW slow enough for me to read. The bands seemed very noisy this week — time to check my aerials.

Bob MM0LBF

Exposure in RADCOM not going to my head Bob; just a modest FT8 and CW contribution this month. Now on air with BPSK31, fingers crossed for next month.

James MM0LQF

I have finally got a proper antenna up for 40m, which is good. I have also finally solved some RFI problems meaning I can now operate at >10w. The highlight of this activity day for me was working St. Lucia on FT8.

I had set myself a challenge when I got my new HF rig in Feb, that I would try to make 1000 (digital) QSOs this year, and I am incredibly happy to have achieved over double that figure.

Pete MM0INE

I have attached my log for December 7th. Not huge but a few good ones.

Ronan MM0IVR

It is sparse again with just 1 SSB contact with W4RN in Virginia on 20 watts and 3 CW contacts into the usuals (Italy, Lithuania, and Croatia) using 15 watts.

Jim MM0DXH

'Again the CPSARC activity week persuades me to log a

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few QSOs and this month I was on for two of the days. Propagation wasn't too exciting but I did manage nearly 9000kms to Mexico. That QSO was using CW (Morse) and would have not been possible with voice, as the signal was weak and down in the noise floor. If you haven't tried Morse, then I would advise giving it a go, as it certainly opens up opportunities to communicate with distant countries when voice QSOs wouldn't get through. .

2020 has been a difficult year and I hope that the New Year is better for everyone. Happy New Year

Martyn MM0XXW

Nothing very interesting for my final log of 2020 but as things are improving sunspot wise let's hope there's more to whet our appetites with in 2021.

Gordon MM0GPZ

I had QSO's most days during the activity period. In total I worked 179 QSO's split as 84 FT8, 92 CW, SSB 3. I picked the particular date to upload as I worked Fiji for only the 2nd time ever and the first time on 40m for sure.

Summary

DATA is the winning mode this month with 137 QSO's. Next best was CW with 18 QSO's. Out of the 166QSO's being made: CW = 18, SSB = 11, Data = 137, FM = 0, AM = 0.

Best HF DX on DATA was by Gordon MM0GPZ working 3D2TS on 7Mhz at 15821kms into FIJI (Great contact Gordon) best CW QSO's this month was by Jim MM0DXH working XE2I at 8798kms into MEXICO and on SSB the best DX was by Paul MM0INE working ZL4RMF on 7MHz at 18840Kms into the NEW ZEALAND Nice to see FT4 being used on DATA. Thanks to Pete MM0INE with some more contacts in a band that nobody is using – 5MHz (60M) – I am sure there will be others in the not to distant future.

No QSO's to report on VHF and UHF and upwards A nice turnout out this month with a total of 9 people taking part. With this Coronavirus still about it gives you a great opportunity to play at radio. Keep it up folks..... Thanks to everyone for your log they are so much appreciated.

The next Activity Day is any day starting on the week beginning the 10th and ending on the 16th January 2021 the first for 2021. Remember to use the new recording spreadsheet for your logs **2021-ACTIVITY-DAY-LOGSHEET-V1.23.xlsx** (updated on 16/6/2020) which can be downloaded from the website.

Summary of who did what:

Total QSO's = 166 where: CW = 18, SSB = 11, Data = 137, FM = 0, AM = 0

- Bob GM4UYZ DATA: 5 x 40M, 28 x 20M, 1 x 15M
- James MM0LQF DATA: 63 x 40M
- Andy MM0GYG DATA:7 x 30M
- Bob MM0LBF DATA: 1 x 80M, 4 x 40M, 10 x 17m, 1 x 15M
- CW: 3 x 20M
- Pete MM0INE SSB: 2 x 60M, 1 x 40M, 2 x 17M
- Ronan MM0IVR CW: 3 x 40M
- SSB: 1 x 15M
- Jim MM0DXH CW: 12 x 20M
- SSB: 5 x 20M
- Martyn MM0XXW DATA: 10 x 14M, 2 x 18M
- Gordon MM0GPZ DATA: 1 x 80M, 4 x 40M

DATES FOR YOUR DIARY FOR THE 2020/2021 ACTIVITY WEEKS

<u>MONTH 2021</u>	<u>ACTIVITY WEEK</u>
January	10th to 16th January 2021
February	14th to 20th February 2021
March	14th to 20th March 2021
April	11th to 17th April 2021
May	9th to 15th May 2021
June	13th to 19th June 2021
July	11th to 17th July 2021
August	8th to 14th August 2021
September	5th to 11th September 2021
October	10th to 16th October 2021
November	7th to 13th November 2021
December	12th to 18th December 2021

Thanks for taking part in the activity day week and I hope you will continue to do so in 2021. The dates for the 2021 are now set, see the above table so would love to see many more on as well so why not make it your 2021 target.

Bob GM4UYZ

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.....

**** PLEASE NOTE THAT DUE TO THE CORONAVIRUS SOME CONTESTS MAY NOT HAPPEN OR COULD BE RESTRICTED IN NATURE i.e. NO MULTI-MULTI STATIONS ****

Extracts are from the RSGB Radio Sport VHF & HF contest and the WA7BNM Contest Calendar

(<http://www.hornucopia.com/contestcal/perpetualcal.php>)

January 2021

AGB New Year Snowball Contest	0000Z-0100Z, Jan 1
SARTG New Year RTTY Contest	0800Z-1100Z, Jan 1
AGCW Happy New Year Contest	0900Z-1200Z, Jan 1
AGCW VHF/UHF Contest	1400Z-1800Z, Jan 1
QRP ARCI New Year's Sprint	1500Z-1800Z, Jan 1
WW PMC Contest	1200Z, Jan 2 to 1200Z, Jan 3
RSGB AFS 80m-40m Contests CW	1300Z-1700Z, Jan 2
ARRL RTTY Roundup	1800Z, Jan 2 to 2359Z, Jan 3
ARRL Kids Day	1800Z-2359Z, Jan 2
EUCW 160m Contest	2000Z, Jan 2 to 0700Z, Jan 3
RSGB Christmas HQP #2 RTTY 1	0930Z-1100Z, Jan 4
ARS Spartan Sprint	0200Z-0400Z, Jan 5
RSGB Christmas HQP #2 Phone 1	1100Z-1230Z, Jan 5
RSGB Christmas HQP #2 FT4 1	1230Z-1400Z, Jan 6
UKEI 80M Contest SSB	2000Z-2100Z, Jan 6
RSGB Christmas HQP #2 CW 1	1400Z-1530Z, Jan 7
YB DX Contest	0000Z-2359Z, Jan 9
UBA PSK63 Prefix Contest	1200Z, Jan 9 to 1200Z, Jan 10
SKCC Weekend Sprintathon	1200Z, Jan 9 to 2359Z, Jan 10
North American QSO Party, CW	1800Z, Jan 9 to 0559Z, Jan 10
NRAU-Baltic Contest, SSB	0630Z-0830Z, Jan 10
DARC 10-Meter Contest	0900Z-1059Z, Jan 10
NRAU-Baltic Contest, CW	0900Z-1100Z, Jan 10
Midwinter Contest	1000Z-1400Z, Jan 10
RSGB AFS 80m-40m Contests Datamodes	1300Z-1700Z, Jan 10
4 States QRP Group Second Sunday Sprint	0100Z-0300Z, Jan 11
RSGB Christmas HQP #2 FT4 2	0930Z-1100Z, Jan 11
RSGB Christmas HQP #2 CW 2	1100Z-1230Z, Jan 12
RSGB Christmas HQP #2 RTTY 2	1230Z-1400Z, Jan 13
RSGB Christmas HQP #2 Phone 2	1400Z-1530Z, Jan 14
RSGB AFS 80m-40m Contests Phone	1300Z-1700Z, Jan 16
Hungarian DX Contest	1200Z, Jan 16 to 1159Z, Jan 17
North American QSO Party, SSB	1800Z, Jan 16 to 0559Z, Jan 17
ARRL January VHF Contest	1900Z, Jan 16 to 0359Z, Jan 18
Run for the Bacon QRP Contest	2300Z, Jan 17 to 0100Z, Jan 18
BARTG RTTY Sprint	1200Z, Jan 23 to 1200Z, Jan 24
SKCC Sprint	0000Z-0200Z, Jan 27
UKEI 80M Contest CW	2000Z-2100Z, Jan 27
CQ 160-Meter Contest, CW	2200Z, Jan 29 to 2200Z, Jan 31
REF Contest, CW	0600Z, Jan 30 to 1800Z, Jan 31
UBA DX Contest, SSB	1300Z, Jan 30 to 1300Z, Jan 31
Winter Field Day	1900Z, Jan 30 to 1900Z, Jan 31

MONTH 2021	ACTIVITY WEEK	Major Contest during this Week (See Monthly Contest Calendar for All contests during this period) <i>Note: Times below of the contest are what are applicable for the Activity Day</i>
January	10 th to 16 th January 2021	16 th 1300z to 1700z – RSGB AFS 80M-40M - SSB
February	14 th to 20 th February 2021	20 th 0000z to 2359z – ARRL Inter DX Contest - CW
March	14 th to 20 th March 2021	20 th 1200z to 2359z – Russian DX Contest – CW & SSB
April	11 th to 17 th April 2021	17 th 0700 to 2359 – YU DX Contest – CW & SSB
May	9 th to 15 th May 2021	9 th 0000z to 1200z – CQ-M Inter DX Contest - CW & SSB
June	13 th to 19 th June 2021	13 th 0000z to 1159z – Portugal Day Contest – CW & SSB
July	11 th to 17 th July 2021	11 th 0000z to 1200z – IARU HF World Championship – CW & SSB
August	8 th to 14 th August 2021	14 th 0000z to 2359z – WAE DX Contest - CW
September	5 th to 11 th September 2021	11 th 0000z to 2356z – WAE DX Contest - SSB
October	10 th to 16 th October 2021	16 th 1500z to 2359z – Worked All Germany – CW & SSB
November	7 th to 13 th November 2021	13 th 0000z to 1200z – OK/OM DX Contest - CW
December	12 th to 18 th December 2021	12 th 0000z to 2359z – ARRL 10M Contest – CW & SSB

VHF - UHF	January to December Monthly VHF/UHF Contests 2021
144MHz FMAC	1900-1955 (Local) Every 1st Tuesday
144MHz MGMAC	2000-2230 (Local) Every 5th Tuesday
144MHz UKAC	2000-2230 (Local) Every 1st Tuesday
432MHz FMAC	1900-1955 (Local) Every 2nd Tuesday
432MHz UKAC	2000-2230 (Local) Every 2nd Tuesday
50MHz MGMAC	2000-2230 (Local) Every 5th Tuesday
50MHz UKAC	2000-2230 (Local) Every 2nd Thursday
70MHz UKAC	2000-2230 (Local) Every 3rd Thursday
1.3GHz UKAC	2000-2230 (Local) Every 3rd Tuesday
SHF UKAC	1930-2230 (Local) Every 4th Tuesday (Jan-Nov Only)

2020 Year Activity Day Summary

2020 was the sixth year that we have run a monthly activity day and overall, I feel it has made people to go on the air and do some operating. There was no change in format this year where you could take part on any day within the designated week period. I certainly feel that that has been a massive success as people have commented on its flexibility. From my own perspective it has certainly done that for me. I would like to thank those who have come on over the year and have taken part even if it has only been one month out of the twelve.

Overall, there has been 24 people taking part in the Activity Days, some have only been on once and others have been on every month, so it proves the format is suiting everyone although me being me I would love to see more take part. Why not make it your 2021 New Year resolution?

Ok then some statistics...

Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total
Stations on the Air	7	7	13	12	14	13	12	10	11	8	9	9	125
QSO's Made Each Month	168	94	312	207	293	180	580	224	244	193	150	166	2811

- The best month for people taking part was in May with 14 participants.
- July shows the most QSO's for the "Selected Day". The July date happened to coincide with the IARU Contest, so it boosted the numbers.

Tables below show types of QSO's made (SSB, CW, DATA & FM) and what Bands and how many per month

MONTH	MODE	BANDS																	Totals per Month				
		1.8	3.5	5	7	10	14	18	21	24	28	50	70	144	432	1296	2300	2400		5700	10000		
January	SSB	0	0	0	40	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
February	SSB	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
March	SSB	0	0	0	15	0	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118
April	SSB	0	0	0	4	0	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
May	SSB	0	1	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
June	SSB	0	0	0	2	0	13	1	0	0	3	0	0	0	0	0	1	1	0	0	0	0	19
July	SSB	0	22	0	6	0	103	0	0	0	82	2	0	0	0	0	0	0	0	0	0	0	215
August	SSB	0	1	0	7	0	19	6	0	0	0	0	0	3	8	0	0	0	0	0	0	0	44
September	SSB	0	0	0	7	0	26	0	0	0	0	0	0	84	0	0	0	0	0	0	0	0	117
October	SSB	0	0	0	0	0	71	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	72
November	SSB	0	0	3	20	0	10	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	35
December	SSB	0	0	2	1	0	5	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11
BAND TOTALS		0	24	5	102	0	402	10	3	0	85	2	0	87	8	0	1	1	0	0	0	728	

MONTH	MODE	BANDS																	Totals per Month				
		1.8	3.5	5	7	10	14	18	21	24	28	50	70	144	432	1296	2300	2400		5700	10000		
January	CW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	CW	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
March	CW	0	0	0	28	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
April	CW	0	0	0	5	1	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
May	CW	0	0	0	1	0	162	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	166
June	CW	0	0	0	0	0	7	1	8	0	1	0	0	0	0	0	0	0	0	0	0	0	17
July	CW	0	0	0	0	0	108	0	31	0	18	0	0	0	0	0	0	0	0	0	0	0	157
August	CW	0	0	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
September	CW	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	CW	0	1	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
November	CW	0	1	0	0	0	76	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	79
December	CW	0	0	0	3	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
BAND TOTALS		0	2	0	81	1	518	2	42	0	20	0	0	0	0	0	0	0	0	0	0	666	

MONTH	MODE	BANDS																	Totals per Month	
		1.8	3.5	5	7	10	14	18	21	24	28	50	70	144	432	1296	2300	2400		5700
January	DATA	0	13	0	49	39	9	12	2	0	0	0	0	0	0	0	0	0	0	124
February	DATA	0	2	0	17	0	19	4	0	0	0	0	0	0	0	0	0	0	0	42
March	DATA	0	0	0	48	8	70	7	0	0	0	0	0	0	0	0	0	0	0	133
April	DATA	0	4	0	22	10	48	1	1	0	0	0	0	0	0	0	0	0	0	86
May	DATA	0	0	0	25	9	31	6	11	0	2	17	0	13	0	0	0	0	0	114
June	DATA	0	0	0	24	0	54	11	16	0	19	12	0	0	0	0	0	0	0	136
July	DATA	0	0	0	4	0	14	10	11	15	71	58	19	0	0	0	0	0	0	202
August	DATA	0	0	0	47	6	20	45	3	2	16	3	0	2	0	0	0	0	0	144
September	DATA	0	0	0	51	21	51	4	0	0	0	0	0	0	0	0	0	0	0	127
October	DATA	0	0	0	17	0	71	9	2	0	0	0	0	0	0	0	0	0	0	99
November	DATA	0	0	0	0	0	35	1	0	0	0	0	0	0	0	0	0	0	0	36
December	DATA	0	2	0	76	7	38	12	2	0	0	0	0	0	0	0	0	0	0	137
BAND TOTALS		0	21	0	380	100	460	122	48	17	108	90	19	15	0	0	0	0	0	1380

MONTH	MODE	BANDS																	Totals per Month	
		1.8	3.5	5	7	10	14	18	21	24	28	50	70	144	432	1296	2300	2400		5700
January	FM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	FM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	FM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
April	FM	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2
May	FM	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
June	FM	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
July	FM	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	6
August	FM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
September	FM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	FM	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
November	FM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	FM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAND TOTALS		0	0	0	0	0	0	0	0	0	0	0	0	33	0	0	0	0	0	33

MONTH	MODE	BANDS																	Totals per Month	
		1.8	3.5	5	7	10	14	18	21	24	28	50	70	144	432	1296	2300	2400		5700
January	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	AM	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
March	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BAND TOTALS		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2

MONTH	DATA	DATA MODES - TYPES															Totals per Month
		UNK	PSK31	PSK63	JT9	JT65	RTTY	FT8	MSK144	JT6M	SSTV	JS8Call	FT4				
January	DATA	0	0	0	0	11	0	113	0	0	0	0	0	0	0	124	
February	DATA	0	0	0	0	0	0	42	0	0	0	0	0	0	0	42	
March	DATA	0	0	0	1	4	0	128	0	0	0	0	0	0	0	133	
April	DATA	0	0	0	5	0	0	40	0	0	0	41	0	0	0	86	
May	DATA	0	0	0	0	0	0	82	6	0	0	22	0	0	0	114	
June	DATA	0	0	0	0	0	0	125	0	0	0	3	8	0	0	136	
July	DATA	0	0	0	0	0	0	202	0	0	0	0	0	0	0	202	
August	DATA	0	0	0	0	0	0	141	3	0	0	0	0	0	0	144	
September	DATA	0	0	0	0	0	0	127	0	0	0	0	0	0	0	127	
October	DATA	0	0	0	0	0	0	99	0	0	0	0	0	0	0	99	
November	DATA	0	0	0	0	0	0	6	0	0	0	30	0	0	0	36	
December	DATA	0	0	0	0	0	0	95	0	0	0	42	0	0	0	137	
MODE TOTALS		0	0	0	6	15	0	1200	9	0	0	7	143	0	0	1380	

Best DX Overall – Different Modes HF and VHF

Band	Ant	Power (W)	Mode	Station Worked	Your Locator	Their Locator	Distance (Kms)	Time	Operator	Month
10	Vertical	50	FT8	VK3GL	IO85jx	QF21	16973	16:18:00	MM0XXW	March
7	Wire	400	SSB	ZL4RMF	IO85rl	RE54ec	18840	09:00	MM0INE	Dec
7	Vertical	400	CW	ZL4TT	IO75ws	RE54LV	18780	17:40:00	MM0GPZ	March
14	Wire	400	AM	W5RJJ	EL88UE	DM76sv	2285	18:12:00	WA6AEE	February
144	Yagi	400	MSK144	UA1ALD	IO75WS	KO49	1993	08:55:00	MM0GPZ	May
144	Yagi	400	SSB	DK5DQ	IO85SS	JO31QH	816	8:28:59	MM0CCC	Sept
144	Yagi	5	FM	MW1FGQ	IO85jk	IO83hg	241	12:04:00	MM0YCJ	July

Best DX Overall on the different Bands – Different Modes

Band	Ant	Power (W)	Mode	Station Worked	Your Locator	Their Locator	Distance (Kms)	Time	Operator	Month
3.5	Wire	400	SSB	LZ1DM	IO85SS	KN22QP	2466	2:38:04	GM2T	July
3.5	Vertical	200	DATA	RU0AX	IO75ws	NO46	5308	17:19:00	MM0GPZ	February
3.5	Wire	40	CW	DL2GWX	IO85jw	JN58	1269	12:15:00	MM0GYG	October
5	Wire	100	SSB	GM4SLV	IO85rl	IP90gg	537	14:25:00	MM0INE	November
5			DATA	NO QSO's						
5			CW	NO QSO's						
7	Wire	400	SSB	ZL4RMF	IO85rl	RE54ec	18840	09:00	MM0INE	December
7	Rotary Dipole	400	DATA	3D2TS	IO75WS	RH91fv	15821	17:26:00	MM0GPZ	December
7	Vertical	400	CW	ZL4TT	IO75ws	RE54LV	18780	17:40:00	MM0GPZ	March
10	Vertical	60	DATA	VK3GL	IO85jx	QF21	16973	16:18:00	MM0XXW	March
10	Wire	15	CW	OH3STAYHOME	IO85lw	KP20LM	1702	16:13:00	MM0IVR	April
14	Wire	100	SSB	YB1KI	IO86pb	OI33lh	11837	18:19:00	MM0NBW	April
14	Vertical	20	DATA	K2GT	IO85WV	BK29LN	11257	07:56:00	MM0XAB	May
14	Beam	100	CW	ZM1A	IO85JW	RF73jc	17892	8:04:00	MM0DXH	July
14	Wire	400	AM	W5RJJ	EL88UE	DM76sv	2285	18:12:00	WA6AEE	February
18	Wire	400	SSB	HP9SAM	IO85rl	EJ97wp	8526	13:50	MM0INE	December
18	Vertical	50	DATA	VK5BC	IO85jx	PF95	16289	10:33:00	MM0XXW	February
18	Wire	10	CW	SV9DJO	IO85lw	KM25NH	3129	13:03:00	MM0IVR	May
21	Beam	400	SSB	YB0IBM	io85jw	OI33jt	11814	10:28:00	MM0DXH	November
21	Beam	300	DATA	PT2VHF	IO94GU	GH64	9218	19:54:00	M0RNR	June
21	Beam	100	CW	UP2A	IO85JW	mn83kf	5602	8:16:00	MM0DXH	July
24			SSB	NO QSO's						
24	Doublet	10	DATA	SP5DL	IO85JW	KO02LH	1617	16:37:00	MM0GYG	July
24			CW	NO QSO's						
28	Wire	400	SSB	R0HQ	IO85SS	NP01DC	4525	9:11:07	GM2T	July
28	Beam	400	DATA	HC2AO	IO94GU	FI07	9444	13:53:00	M0RNR	July
28	Wire	400	CW	RK8I	IO85SS	NO26mk	5045	8:56:24	GM2T	July
50	Vertical	100	SSB	IS0BSR/IM0	IO86ie	JM48	2166	13:16:00	MM0YTA	July
50	Yagi	150	DATA	PV8ABC	IO85MU	FJ92	7845	18:42:45	GM8MJV	June
50			CW	NO QSO's						
70			SSB	NO QSO's						
70	Yagi	100	DATA	OH6CT	IO85MU	KP24WV	1852	16:41:30	GM8MJV	July
70			CW	NO QSO's						
144	Yagi	400	SSB	DK5DQ	IO85SS	JO31QH	816	8:28:59	MM0CCC	September
144	Yagi	400	DATA	UA1ALD	IO75WS	KO49	1993	08:55:00	MM0GPZ	May
144	Yagi	5	FM	MW1FGQ	IO85jk	IO83hg	241	12:04:00	MD0YCJ/P	July
432	Yagi	400	SSB	GM8IEM	IO85MU	IO78HF	302	19:30:00	GM8MJV	August
432			CW	NO QSO's						
2300	Wire	2	SSB	GM4DIJ	IO85MU	IO85IW	23	11:57:14	GM8MJV	June
3400	Wire	2	SSB	GM4DIJ	IO85MU	IO85IW	23	10:55:21	GM8MJV	June

Year 2020 CLUB EXPENDITURE

Accounts up to 29/12/2020

		Total	OUTGOINGS £8,956.48	INCOMING £8,956.48	BALANCE £0.00
Date	Action	Cheque	Outgoings	Incomings	
01/01/2020	Transfer from Year 2019			£7,068.01	£7,068.01
02/01/2020	Sean MM0SRV - Club Fees via Paypal (£25) : (Paypal Fee of £1.03 removed)	Paypal		£23.97	£7,091.98
04/01/2020	Geoff GM0LOD - Club Fees via Paypal (£26) : (Paypal Fee of £1.01 removed)	Paypal		£24.99	£7,116.97
07/01/2020	Martyn MM0XXW - Club Fees via Paypal (£25) : (Paypal Fee of £1.03 removed)	Paypal		£23.97	£7,140.94
10/01/2020	John MM0JXI - Club Fees via Paypal (£24)	Paypal		£24.00	£7,164.94
10/01/2020	Thomas MM0THL - Club Fees via Paypal (£25) : (Paypal Fee of £1.03 removed)	Paypal		£23.97	£7,188.91
10/01/2020	Money Donated Club Night - Club Insurance, etc.			£140.00	£7,328.91
11/01/2020	Money left from DX Dinner Kitty			£9.00	£7,337.91
12/01/2020	Craig MM0NBW - Club Fees direct to Club Account (£24)			£24.00	£7,361.91
14/01/2020	RSGB Affiliation Subscription	00418	£51.00		£7,310.91
22/01/2020	Pete MM0INE - Club Fees via Paypal (£25) : (Paypal Fee of £1.03 removed)	Paypal		£23.97	£7,334.88
28/01/2020	Kits for Construction Night		£59.52		£7,275.36
31/01/2020	Tony MM7MTB - Club Fees via Paypal (£25) : (Paypal Fee of £1.03 removed)	Paypal		£23.97	£7,299.33
04/02/2020	Ronan MM0IVR - Club Fees via Paypal (£25) : (Paypal Fee of £1.03 removed)	Paypal		£23.97	£7,323.30
07/02/2020	Money Donated Club Night - Club Insurance, etc.			£34.00	£7,357.30
21/02/2020	Money Raised Radio Check Night			£14.00	£7,371.30
06/03/2020	Andy MM0GYG - Club Fees via Paypal (£25) : (Paypal Fee of £1.03 removed)	Paypal		£23.97	£7,395.27
06/03/2020	Money Donated Club Night - Club Insurance, etc.			£22.00	£7,417.27
30/03/2020	Royal Bank Account -- Interest			£0.86	£7,418.13
23/04/2020	Sympathy Flowers to John MM0CCC & Family on John's Mother's Death		£35.99		£7,382.14
06/05/2020	Sarah 2M0PCW - Club Fees via Paypal (£25) : (Paypal Fee of £0.87 removed)	Paypal		£24.13	£7,406.27
06/05/2020	Jim MM0DXH - Club Fees via Paypal (£25) : (Paypal Fee of £0.88 removed)	Paypal		£24.12	£7,430.39
06/06/2020	Derek MM0WST - Club Fees via Paypal (£30) : (Paypal Fee of £1.17 removed)	Paypal		£28.83	£7,459.22
06/06/2020	Tommy 2M0EGH & Elizabeth MM7EHE Club Fees for 6 months (Paypal Fee of £1.03 removed)	Paypal		£23.97	£7,483.19
12/06/2020	James MM0LQF - Club Fees via Paypal (£25) : (Paypal Fee of £0.87 removed)	Paypal		£23.97	£7,507.16
16/06/2020	Keith MM7KTH - Club Fees via PayPal (£24) Paid to Pool	Paypal		£24.00	£7,531.16
16/06/2020	Alex GM3GKJ - Club Fees via PayPal (£25) Paid to Pool	Paypal		£25.00	£7,556.16
16/06/2020	Julian MM0YTA - Club Fees via PayPal (£25) Paid to Pool	Paypal		£25.00	£7,581.16
29/06/2020	Royal Bank Account -- Interest			£0.87	£7,582.03
01/07/2020	Alisdair MM0XAB - Club Fees via PayPal (£25) Paid to Pool	Paypal		£25.00	£7,607.03
06/08/2020	Martyn MM0XXW - Club Fees via Paypal (£25)	Paypal		£25.00	£7,632.03
07/08/2020	Money Donated Club Night - Club Insurance, etc.			£14.00	£7,646.03
13/08/2020	Alex 2M0ECK - Club Fees via Paypal (£25)	Paypal		£25.00	£7,671.03
26/08/2020	Extra Deposit			£40.00	£7,711.03
27/08/2020	Legacy Donation to Club From Sheila Wilkins (Husband SK G7JAV)			£1,000.00	£8,711.03
04/10/2020	Cambell MM0DXC - Club Fees to end December			£18.00	£8,729.03
05/10/2020	Postage for GM2T Card Envelopes for Buro		£20.00		£8,709.03
05/10/2020	Royal Bank Account -- Interest			£0.94	£8,709.97
16/10/2020	Geoff MM5AHO - Generator Sale			£80.00	£8,789.97
18/10/2020	Storage Fees Towers 3 x £160		£480.00		£8,309.97
17/12/2020	Postage for MM0CPS Card Envelopes for Buro		£24.84		£8,285.13
29/12/2020	Transfer money to 2021 accounts		£8,285.13		£0.00

Running NuMorse on MacOS

These instructions are not relevant for anyone running a Mac with macOS Catalina (10.15) or macOS Big Sur (11) because from Catalina onwards macOS dropped support for 32-bit applications. Wine – a compatibility layer that allows you to run Windows applications on macOS does not currently support these newer Operating Systems.

For those with a new Mac, Keith has found another application that works in a similar manner that you could pay for and use instead. Another option is to use some desktop virtualisation software like Parallels Desktop (paid), VMware Fusion (paid) or VirtualBox (free) to install Windows. But that too requires a paid Windows license, and many Mac users prefer to get away from Windows entirely. Of course the technology is always moving and with Apples move to their own Processors this may not be relevant for long.

However, if you are running a Mac with an older Operating System (up to macOS Mojave, 10.14) then there is a fairly pain free method. Because NuMorse is a Windows application it will not run natively on a Mac so we need to use some translation software to run NuMorse, one of the most popular being something called 'Wine'.

In a Web Browser, go to <https://dl.winehq.org/wine-builds/macosx/download.html> and download 'Installer for "Wine Stable"' which is currently version 5.0. When this has downloaded, run it like any normal installer.

Once complete, go to <http://nu-ware.com/> and download NuMorse Professional. When this has downloaded, when you run it, Wine will run. If you select the standard installation options, then a shortcut to run NuMorse will be put on your Desktop.

With any luck you will be able to run NuMorse and practice your CW!

HF Propagation Prediction

HF Propagation Prediction January 2021

Summary

Best chance of DX –Australia, Asia and Americas using CW/Data on 40, 30 and 20 metres during most periods.

Best SSB phone DX – 40 meters during darkness and 20 metres during daylight Asia, Africa and Americas.

Best inter G SSB phone QSO's are, as expected on 80 metres throughout the 24 hours. Some possible on 20 and 40 metres.

There are no SSB QSO windows predicted for central or western USA/Canada. CW/Data for USA on 20 metres late afternoon may be possible. Although actual conditions have been better than predicted.

10 metres is again predicted to be closed but conditions earlier in the year proved otherwise, with some good DX openings at times on this band. The better than predicted conditions for 10 metres likely to be associated with increasing solar activity and the transition into Solar Cycle 25.

Long Term Solar Summary – December 2020

Solar Cycle 25 has officially started. Cycle 24 reached minimum in December 2019 and peaked in April 2014 with a peak average of 82 sunspots. Solar Cycle 25 is predicted to have a slow start and anticipated to reach maximum between 2023 and 2026. Consensus is that it will peak in July 2025 (plus/minus 8 months).

Solar Cycle 25 is predicted to have a slow start and anticipated to reach maximum between 2023 and 2026. Consensus is that it will peak in July 2025 (plus/minus 8 months). Cycle 25 is predicted to be similar to Cycle 24

with a weak peak activity – 95 to 130 sunspots, which is below average of 140 to 220 sunspots.

Sunspots and Propagation

Frequencies above 15 MHz (17 metres amateur band and shorter) will open sporadically. 40m is more likely to stay open all night, and should produce good dx at most times. As solar activity picks up, this will lead to more D layer absorption, weakening 160, 80 and to some extent 40 through daylight hours.

Usual caveats apply; This information is a broad summary from a number of sources using models based on historical and predicted data using ideal antennas with some allowances made for location, QRM and QRN. Band conditions fluctuate constantly and may improve or deteriorate at any time. Predictions are short-path propagation.

SSB predictions are based on combined path reliability (REL) and S/N ratio predictions above 65%. CW/Data combined REL and S/N ratio above 35%. Modelled on 100W SSB – Dipole at 15 ft. Your equipment may be more or less efficient than the model which will negatively or positively impact real results.

Unpredicted QSO's are always possible, so use this information as a guide only, in conjunction with DX Cluster spots and your own ears!

Modelled on 100W SSB – Dipole at 15 ft. All times UTC.

80 Metres - 3.5 MHz

00:00 – 07:00	SSB QSO's Inter G, Ireland and Northern/Central Europe and Baltics. Possible SSB to Western Russia and Eastern Canada. CW/Data modes may be possible to North Africa, eastern Canada, eastern USA and Arctic Circle.
07:00 – 17:00	SSB QSO's limited to a couple of hundred miles. CW/Data modes may reach Northern Europe, picking up around 15:00.
17:00 – 23:00	SSB conditions build with good inter G and Northern Europe, Baltics and eastern Canada. CW/Data modes possibly extending out to Eastern North America and Greenland and European Russia towards midnight.

(Continued from page 16)

40 metres - 7 MHz

00:00 – 07:00	SSB QSO's in Northern Europe, North Africa, Baltics and European Russia. Eastern Canada and Central America possible. CW/Data modes may be possible to, South and Central America and western USA.
07:00 – 17:00	SSB possible to Central America in the early to mid morning, but reducing to Europe and inter G as the day progresses. CW/Data modes possible into north Africa, south America and Asiatic Russia, and USA.
17:00 – 23:00	Early evening sees SSB in Europe, north Africa, Eastern Canada, European Russia and inter G, building westwards as the evening progresses. CW/Data modes to North and South America, north Africa, central and eastern Asia and south America possible towards midnight.

30 Metres - 10 MHz – CW & Data only

00:00 – 07:00	CW/Data modes good to southern Europe, Central and South Africa, central and south America.
07:00 – 17:00	CW and Data modes good throughout Europe, North Africa and Central America and east Asia.
17:00 – 23:00	CW/Data modes good through Europe and Africa. Possibility of western Australia early in the period. Moving westwards, south America possible towards midnight.

20 Metres - 14 MHz

00:00 – 07:00	Band closed to poor until around 07:00, with CW/Data possible into eastern Europe, Arabian Peninsula and Africa. SSB restricted to Europe and north/central Africa around the same time.
07:00 – 17:00	SSB good into central and southern Europe, Greenland and Baltic states, North/Central Africa and South America. SSB may be possible into east Asia late afternoon. CW/Data modes into Africa and south and central America, Australia, Asia, Japan, China, India, Western Australia and USA.
17:00 – 23:00	Early evening sees SSB in Europe, Africa, Arabian peninsula Asia, moving westwards to South America until around 20:00. Early evening also sees CW/Data possible to east Asia, Africa and south America. Diminishes around 19:00

17 Metres - 18 MHz

00:00 – 07:00	Band closed until around 07:00 with CW/Data possible to South west Africa.
07:00 – 17:00	SSB possible to southern Europe, South America and South Africa. CW Data modes possible to Australia, Indonesia, India and Antarctica until around mid-day
17:00 – 23:00	Band effectively closed. CW/Data possible to south America until around 18:00

(Continued on page 18)

(Continued from page 17)

15 Metres - 21 MHz

00:00 – 07:00	Poor conditions - Band effectively closed.
07:00 – 17:00	SSB to Greenland, Europe, Africa and South Atlantic/South America and western Australia diminishing as the day goes on.
17:00 – 23:00	Poor conditions – Band effectively closed.

12 Metres - 24 MHz

00:00 – 07:00	Poor conditions - Band closed.
07:00 – 17:00	Poor conditions – possible SSB, CW/data to South Africa around mid-day.
17:00 – 23:00	Poor conditions – Band closed.

10 Metres - 28 MHz

00:00 – 07:00	Poor conditions - Band closed.
07:00 – 17:00	Poor conditions - Band closed.
17:00 – 23:00	Poor conditions - Band closed.

Data from

Prop Charts

<http://infotechcomms.net/propcharts>

VOACAP Online

<http://www.voacap.com/hf/>

ITURHFProp

<http://www.predtest.uk/index.html>

Solar Cycle

[https://www.weather.gov/news/190504-sun-activity-in-solar-cycle?](https://www.weather.gov/news/190504-sun-activity-in-solar-cycle?fbclid=IwAR1rG9yClkZy8xnOzDbvms66ErvmjTLIGwcYoFBndv_C_Dae2soy1osQE8)

[fbclid=IwAR1rG9yClkZy8xnOzDbvms66ErvmjTLIGwcYoFBndv_C_Dae2soy1osQE8](https://www.weather.gov/news/190504-sun-activity-in-solar-cycle?fbclid=IwAR1rG9yClkZy8xnOzDbvms66ErvmjTLIGwcYoFBndv_C_Dae2soy1osQE8)

Sunspot Watch

<http://prop.hfradio.org/>

MORSE Training via ZOOM – 1845 for 19:00

I have been asked by one or two people about trying to learn Morse Code (CW) so to that end I have been experimenting using ZOOM and it appears it can be done this way. We did this a few years back but as Face to Face in the Community Centre

Plan is I have setup a ZOOM Meeting for Monday 16th November starting at 18:45 for starting the CW at 19:00. Initial plan is to run this for an hour just to see how we go.

The link to join this ZOOM Session is as below:

Join Zoom Meeting

<https://us02web.zoom.us/j/5118594062?pwd=bVFUMnkyMWFZZThFczY5N2pkL1NIZz09>

If you are interested can you drop me an email to say that you will join just so I get a feel for who is going to be there....THANKS

The way it will be done is using a Program called NUMORSE Professional.

It uses the KOCH method of teaching, basically learn some characters until you can receive them at 90%, then add some more so the new characters and old will be sent. We continue in this manner till we cover all the characters and punctuation characters.

Characters are sent at 20WPM (Basically learn the sound of the character) but with spacing overall the speed is 6WPM

CLUB NIGHT 8 JANUARY 2021 – VIRTUAL MEETING

It is the first Club Night of 2021 and as we are still unable to meet up Face to Face due to the Coronavirus, I thought lets try a virtual club meeting using ZOOM.

I will open a ZOOM session for 19:00 on 8 January 2021 and the link for access is as below.

The last virtual Club Night was well recieved so we could hold further Virtual Club Meetings in the future until we can once again meet Face to Face.

I think this is better than nothing.

Join Zoom Meeting

<https://us02web.zoom.us/j/5118594062?pwd=bVFUMnkyMWFZZThFczY5N2pkL1NIZz09>

Meeting ID: 511 859 4062

Passcode: 763211

Look forward to "Seeing" you on Friday 8th

Test Your Knowledge

- 1. The ratio between the input signal that can just be heard on a receiver and the signal level at which it overloads is known as the receiver's**
 - a. dynamic range
 - b. overload margin
 - c. receive threshold
 - d. noise factor.

- 2. In a double conversion superheterodyne receiver the function of the first mixer is to**
 - a. demodulate CW or SSB signals
 - b. convert radio frequency signals into intermediate frequency signals
 - c. convert intermediate frequency signals into audio frequency signals
 - d. produce a signal that is separated from the wanted frequency by the intermediate frequency.

- 3. A receiver with an RF front-end dynamic range of 100dB has a preamplifier added with gain of 20dB and a dynamic range of 110dB. The dynamic range of the combined receiving system is**
 - a. increased to 110dB
 - b. increased to 120dB
 - c. remain at 100dB
 - d. decreased to 80dB

- 4. The image frequency in a superhet radio receiver is that frequency which**
 - a. will also mix with the local oscillator signal to produce a resultant on the intermediate frequency
 - b. differs from the wanted signal by an amount equal to the intermediate frequency and can be either above or below the wanted frequency
 - c. is on the opposite side (of the wanted frequency) to the intermediate frequency and of equal frequency separation
 - d. is twice the difference between the wanted frequency and the intermediate frequency.

- 5. A purpose of AGC is to**
 - a. ensure that the RF stage of the receiver is not damaged by excessive input
 - b. ensure that the AF stage of the receiver is not damaged by excessive output
 - c. enable the receiver to compensate for varying signals
 - d. enable the receiver to maintain a constant S meter reading.

- 6. The RIT control on a radio transceiver**
 - a. tunes the receiver independently of the transmitter
 - b. tunes the transmitter independently of the receiver
 - c. is only used during Morse code reception
 - d. is only used when transmitting FM

- 7. A waveguide may be chosen instead of coaxial cable when the**
 - a. frequency is so high that the losses in coaxial cable are far higher than those in a waveguide
 - b. wavelength is such that it is significantly greater than the diameter of the coaxial cable
 - c. standing wave ratio is too high for coaxial cables
 - d. frequency is sufficiently low that a waveguide connection will be far more efficient in handling the power.

- 8. The feed impedance of a half-wave dipole is approximately 75Ω. A folded dipole for the same frequency will have a feed impedance of approximately**
 - a. 37Ω
 - b. 75Ω
 - c. 150Ω
 - d. 300Ω

- 9. The capacitor in the trap of a trapped dipole antenna has become disconnected. What effect, if any, will this have?**
 - a. Difficulty will be experience in achieving a match on the lower of the two designed frequencies.
 - b. Difficulty will be experienced in achieving a match on the higher of the two designed frequencies.
 - c. Difficulty will be experienced in achieving a match on both of the designed frequencies.
 - d. No effect will be readily apparent.

- 10. The sum of the forward and reverse signal voltages on a feeder, divided by their difference, is known as the**
 - a. standing wave ratio
 - b. maximum working voltage
 - c. vector sum
 - d. return loss.

Clublog Table

Rank	Callsign	160	80	60	40	30	20	17	15	12	10	6	DXCC	Slots	Range
1	MM0GPZ	79	103	0	127	47	141	54	111	44	85	81	185	872	15 yrs
2	MM2N	64	75	0	89	0	124	1	101	0	76	0	137	530	8 yrs
3	MM0DXH	0	0	0	3	4	118	0	63	0	43	0	124	231	17 yrs
4	M0RNR	0	11	22	53	28	88	28	69	0	45	24	114	368	21 yrs
5	MM0XAB	0	14	0	51	13	62	0	8	5	2	0	114	155	6 yrs
6	MM0GYG	7	34	0	41	49	32	32	18	21	34	21	81	289	11 yrs
7	MM0XXW	0	0	0	45	53	45	53	33	29	14	16	74	288	14 yrs
8	MM0GZZ	0	0	0	35	20	13	3	41	1	22	41	70	176	12 yrs
9	MM0NBW	0	20	0	36	0	54	9	15	5	15	0	63	154	2 yrs
10	GM2T	0	24	0	24	0	56	0	0	0	30	0	58	134	21 yrs
11	GM4UYZ	0	12	0	22	0	52	10	14	0	17	0	54	127	40 yrs
12	GM8MJV	0	0	0	10	0	11	4	7	0	0	46	53	78	42 yrs
13	MM7MTB	6	13	0	31	17	29	11	6	5	10	0	48	128	1 yrs
14	2M0BEC	0	0	0	0	0	10	0	0	0	0	0	10	10	14 yrs

It's great to see a few more entrants into the club table.

Gordon GM0GPZ finishes the year at the top of the table with 185 DXCC (MM2N is Gordon's contest call) so congratulations Gordon, Jim MM0DXH is in 3rd place with 124 Countries with Brian M0RNR and Al MM0ZAB on 114 Countries each.

Congratulations to everyone, especially those who bagged more than 100 Countries this year.

Sadly we've not been able to run the GM2T contest call for most of this year, IOTA and CQWW have not been possible under the current restrictions

The table has finished for 2020 but will restart for 2021 in January, if you haven't uploaded a log before, simply register at www.clublog.org and then request to join the CPSARC club (only active club members please) then upload your log.

If people are interested in the more granular stats, then please go to clublog and filter by CPSARC and choose your filter as appropriate.

John MM0JXI

Club Events

8 January 2021	Club Night via Zoom
10-16 January 2021	Activity Day (pick any day that week)
5 February 2021	Club Night (TBC)
14-20 February 2021	Activity Day (pick any day that week)
5 March 2021	Club Night (TBC)
14-20 March 2021	Activity Day (pick any day that week)
2 April 2021	Club Night (TBC)
11-17 April 2021	Activity Day (pick any day that week)
24/25 April 2021	Blackpool Rally (cancelled)
7 May 2021	Club Night
9-15 May 2021	Activity Day (pick any day that week)
14 May 2021	1st 144MHz DF Hunt
4 June 2021	Club Night
13-19 June 2021	Activity Day (pick any day that week)
19/20 June 2021	Museums on the Air
2 July 2021	Club Night
3/4 July 2021	VHF Field Day
11-17 July 2021	Activity Day (pick any day that week)
24/25 July 2021	RSGB IOTA Contest

All Club in-person activities are under review due to the ongoing COVID restrictions, keep an eye on the website and facebook group for up to date information.

Answers from January 2021 newsletter "Test Your Knowledge":

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