



In this issue

1. Editorial
3. Construction Night
4. Activity Day Report
8. HF Propagation
11. Contest Calendar
12. Clublog Tables
Italian Trophies winners
13. Test Your Knowledge
14. Club Calendar

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

That is it then folks we are now in official British Summer Time so we can all look forward to those long sunny lazy days where we can play at radio. Well it is a dream is not it!

No doubt our summer will be as normal, a couple of sunny days and the rest pouring with rain, but we can dream of the opposite cannot we. We are now back Face-to Face Club nights, but the numbers attending are still extremely low. Yes, I do understand that people are still worried about getting Corona Virus and still not wanting to meet up. I do accept you may never come back but hopefully you will in the future.

The GMDX Convention is going ahead on the 9th April and well worth a visit also the Blackpool Rally is also going ahead this year and takes place on the 24th April. Also this month there is our normal Activity Week so hope to see many of you take part.

To the future the events VHF Field Day and IOTA this year are happening so more on that as we get nearer the events. To the future I have booked our Mini-Rally in August so see later in the newsletter for full information.

What has happened this month. All my Intermediate pupils will sit their Intermediate exam tomorrow so good luck to them all. On the Foundation training I am starting a ZOOM Training session on the 10th April with Blair

Stirling, Gavin GM0WDD's son and he is just a 14-year-old youth. As Gavin is a Commercial airline pilot, I am working around the times that Gavin is available so he can help Blair if required. When the Foundation licence training is finished, I intend to take a couple of months off and start any training in August – see Training Dates loaded up on the club's website.

On the training there is a change to all the syllabuses bringing in the requirement with the new Ofcom EMF regulations and as I write this, I am making the necessary changes to all the training PowerPoints. Lastly, we had our Activity Week. Nice to see so many participants so hope they will continue to take part as it certainly gives an opportunity to get on the air. Would love to see more of those who have taken part before returning to the fold as they say. I can dream can't I.....

We are soon moving into our outside activities with our DF Nights (May DF Night changed to the 27th May), Special Events (might not happen) and Contests. These are all going ahead which is great news. Each category offers something different so for those of you who have never done any of these types of events then now is your opportunity. DF Hunting as an example sounds easy but I

(Continued on page 2)



(Continued from page 1)

can assure you it is not, especially in East Lothian where you get so many erroneous signals. Special Events, if it happens, offer a chance to sit down at a station that you just dream about and do a bit of operating. Prepare yourself for a pile-up then work it at your leisure. Major events as well to promote the club and what we get up to. Lastly contesting if you want to have a go then we will encourage you. See large VHF and HF stations being put together, the ultimate amateur's dream stations. See them in action and even take part.... they are challenges, sometimes you do well, sometimes you do not for whatever reason but enjoy the fun of just participating. I will add you will find with contesting you either love it or you will hate it, there are no half measures.

As I write this, I have tried to contact the National Mining Museum, but they are just not responding for

International Museums Weekend. Will be announced when I know further.

Continuing and I know this is a regular plea and you will be fed up reading it, but we are desperate for material for the newsletter. I am really, really struggling each month to find material for input so can you help please. I have had lots of people offer but nothing materialises so please, please try and put something together and submit it to John MM0JXI it will be appreciated. Remember without material then there is no newsletter... as I say sorry for harping on about it but needs must...

That is, it then, get on the radio and have a bit of fun..... See you all then.

Bob GM4UYZ

27th ANNUAL MINI-RALLY NIGHT

FRIDAY 12th AUGUST

Community Centre, Main Hall, Port Seton.

Bring along your own "junk" and sell it yourself. Tables on First Come First Served basis.

Entrance fee £2 for everyone. Time 18:30 to 22:00

I have booked our local Community Centre for the Junk Night and it will be nice to see our Fund-Raising night take place once again after not happening for the last two years.

Please note the change of time as it is starting later to allow time for anyone who is travelling.

Tables will be on a First Come First Served basis

Regarding COVID precautions, hopefully they will all be totally removed by the date but if not then we will abide with what is in place. Regards the centre if there are COVID restrictions in place then the actions required by you will be displayed as you enter the main door i.e. Face Masks, Social distancing, etc. I would be grateful to you all that you adhere to them.

If there are any changes I will place them on our website – www.cpsarc.com on Facebook and a general email to those who have signed up to receive emails from CPSARC.

Looking forward to seeing you all at the event

Construction Night

15th March 2022

This was our second event other than Club Nights that we have had chance to hold.

This was held in the Royal British Legion, Cockenzie Lounge Bar.

I would like to thank everyone who came along - John MM0JXI, Cephas MM0INS, Gary MM0FZV, Nick MM0JSQ and myself.



I had a few emails and Facebook entries to say that others were unable to attend due to work family illness, etc



so many thanks for letting me know.

Between us all we had already decided on our projects, for me it was a clock, Nick was a QRP rig (brave choice to someone who had never soldered before), John chose a CW Tutor and the others various topics.



It was a most successful night I must say and most of the time "you could have heard a pin drop" as it was so quiet as everyone beavered away.

It was a great night all the same and thoroughly enjoyed by everyone.



Thanks again to everyone who came along it really was appreciated.

Activity Report

March 2022 Activity Day – between 12th to 18th

March 2022 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 Third of 2022 where you can select one of the above 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 2022 have now changed:

These can be found using the following link:

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

Look under Downloads for the Downloadable files then you are all ready for the 2022 Activity Days.

The 2022 files are as follows.

[2022-ACTIVITY-FULL-WEEK-LOGSHEET-V1.6](#)

[2022 New Monthly Activity Week Rules V7](#)

Apologies first:

Pete MM0INE

Sorry, nothing to report this time as the doublet is still out of commission. I did make some progress with its replacement earlier today - got it strung out in the field but still need a rope over the central support tree to hoist it up. Then need to work on the feedline. Might get it done this weekend as weather looks good.

Bob MM0LBF

Nothing from me this week as still not well....

Andy MM0GYG

No logs this month, Bob. I must have missed your reminder.

Tom GM8MJV

Issues with rig and off getting repaired and do not do the HF stuff....

Gordon MM0GPZ

No activity from me I am afraid again this month. Work is getting in the way of play these days. I need to sort that out.

Thomas M0THL

I am very time short now and just not getting time to do anything outside work.

Rafe MM0RPX

I have been busy at work the last couple of months leaving little time for radio. I did get out for a listen last

night though but not during activity week.

Reports:

Bob GM4UYZ

All data this month as extremely limited time on the air due to going on a few days holiday. Thoroughly enjoyed what I achieved especially working some Japanese contacts.

Martyn MM0XXW

Well a bit of a mixed bag this month, a mixture of CW & SSB & Data!

Couple of at no's first being Mubarak-A71AE on 12m FT8, Jurijs-EA8AAH on 17m FT-8 with the best being Dan-LU1DX on 10m SSB!

So the bands are picking up and I am 4 off my DXCC for 2022 let us hope the good times continue.

Craig MM0NBW

Finally found some time on Thursday to do some radio. Mostly data, but a couple of phone contacts in there as well. Conditions much better of late. I did hear Brazil and Argentina on 10 metres, but they were not hearing me – (lack of a decent antenna being a big issue there!) Some nice DX to Japan and over the pole to Alaska. US Virgin Islands being a new DXCC for me.

Jim MM0DXH

Sarah and I off to Ireland for a week and just arrived at Stranraer and I forgot to send the log...massive OOPS.I can add both months in next month

Keith MM0KTC

Would have gained more, but I have a dodgy connection as SWR kept becoming very high....

Ronan MM0IVR

Here is my log for the March activity week. Nothing spectacular, but a couple of decent contacts into Belize and Brazil.

Thomas M0THL

I am very time short at the moment and just not getting time to do anything outside

Colwyn MM0YCJ

March activity log appended and a few photographs from one of the two mountains we climbed. Saturday 12th March we were in a ski resort called Flaine in France. The first summit of the activity week was called Aup de Véran (2437m) SOTA summit code F/AB-277 (Latitude, Longitude: N45.9833, W6.6925, Locator JN35ix). The radio activation was helped by a ski lift taking us to within 300 vertical metres of the summit. From the bustle of the ski crowds it was a short ascent for

(Continued from page 4)

about an hour using climbing skins on our skis to reach a large flat summit in the sunshine.

I was able to use a 3.2 metre avalanche probe to support the middle of a resonant inverted V dipole for 14MHz. The radio was an FT817. To maximise distance and possible QSOs 14MHz was the chosen band. The result was 13 QSOs on SSB across Europe with the farthest 1734Km into central Sweden, but a similar distance into Greece, and all on 5 watts. We enjoyed the ski down and got back to the car by 14:00 hours. From there we drove from Flaine to St Luc in the Zinal valley in Switzerland to meet some other friends, who just happened to be members of the Scottish Mountaineering Club.

On Sunday 13th we caught the funicular railway from St Luc up to the old observatory and headed for a minor Swiss peak called Pointe de la Forcletta (French) or Hirsihorn (German). I had failed to activate the summit in September 2020 and posted the following message on the SOTA website.

"Access to the summit of La Pointe de Forcletta (HB/V5-169) via the south ridge is not possible. Initially the ridge is an easy scramble but becomes harder and looser as you progress up the ridge. There are a number of towers higher on the ridge which block progress to the summit."

However, failure is just a chance to learn from your mistakes / experience and when descending I thought it would be possible to climb the hill up the North Ridge. So 18 months later here we were!



The first photograph shows how steep the snow was as we got onto the ridge by an indirect route, not easy even for experienced ski-mountaineers. However, we were still about 100 metres below the summit, so we safely deposited the skis and started to climb the ridge, as shown in the second photo, with my ice axe in my

hand. It was an interesting climb, especially in ski boots, but we got to the summit block which was about 10 metres high. There were strands of old rope hanging from the top and we could not get to the real summit without climbing equipment. However, we were within 25 metres of the top (as allowed by the SOTA rules), so I set up my temporary radio shack as shown in the third photo (never happier than with a warm Yaesu FT817 in my hand!)



It was short visit with 7 QSOs, but the furthest was a transatlantic QSO of 5962Km (AC1Z) in New Hampshire USA; not bad for 5 watts.

The climb down was scarier than the ascent, which is often the case, but we eventually reached the skis and even found some fresh untracked powder snow to ski down from the summit.

So a perfect couple of days combining three activities, ski-mountaineering, winter climbing and amateur radio, what could be better?

(Continued on page 6)

(Continued from page 5)

Summary

DATA is the winning mode this month with 173 QSO's, next best was SSB with 647 QSO's. Out of the 233 QSO's made: CW = 13, SSB = 47, DATA = 173, FM = 0, AM = 0.

Best DX for the week for each Mode highlighted below:

HF CW, DATA & SSB

CW	Sat	14	I15IDK	1854	MM0IVR
	Sun	14	MM0FMF/P	18	MM0IVR
	Mon	18	V31GX	8038	MM0IVR
	Tue	7	EA4ESU	1720	MM0IVR
	Wed	18	CT3MD	2744	MM0IVR
	Thu	0	0	0	0
	Fri	7	LZ1NK	2442	MM0IVR

All logged DATA QSO's were FT8

SSB	Sat	14	YU3DKO	2113	MM0IVR
	Sun	14	AC1Z	5962	HB9/ MM0YCI/ P
	Mon	18	S52WW	1631	MM0IVR
	Tue	7	I12WRTC	1854	MM0IVR
	Wed	28	LU1DX	11530	MM0XX W
	Thu	14	WX3B	5539	MM0NB W
	Fri	14	YC9AAI	12529	MM0KTC

VHF CW, DATA & SSB

FM	Sat	0	0	0	0
	Sun	0	0	0	0
	Mon	0	0	0	0
	Tue	0	0	0	0
	Wed	0	0	0	0
	Thu	0	0	0	0
	Fri	0	0	0	0

(Continued on page 7)

(Continued from page 6)

A smaller turnout out this month with a total of seven people taking part. Keep it up folks..... Thanks to everyone for your logs they are so much appreciated.

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 Week	Total QSO's	MODE				
		AM	CW	DATA	FM	SSB
Sat	28	0	1	10	0	17
Sun	13	0	1	5	0	7
Mon	19	0	4	14	0	1
Tue	16	0	2	13	0	1
Wed	26	0	4	19	0	3
Thu	111	0	0	108	0	3
Fri	20	0	1	4	0	15
	213					

Next Activity Day is any day starting on the week beginning the 9th and ending on the 15th April 2022 the fourth for 2022. Remember to use the new recording spreadsheet for your logs [2022-ACTIVITY-FULL-WEEK-LOGSHEET-V1.6](#) which can be downloaded from the website.

Participants

Summary of who did what:

Total QSO's = 233 where: CW = 13, SSB = 47, DATA = 173, FM = 0, AM = 0.

Bob GM4UYZ DATA: 11 x 40M, 9 x 20M, 18 x 17M, 6 x 15M, 1 x 10M

Martyn MM0XXW CW: 1 x 40M, 1 x 17M

SSB: 1 x 40M, 2 x 10M

DATA: 3 x 60M, 1 x 20M, 6 x 17M, 8 x 12M

Craig MM0NBW DATA: 35 x 40M, 63 x 20M, 2 x 17M, 2 x 15M, 6 x 12M

SSB: 3 x 20M

Keith MM0KTC SSB: 2 x 20M, 1 x 17M, 6 x 15M, 2 12M, 1 x 10M

Colwyn HB9/MM0YCI/P SSB: 20 x 20M

Jim MM0DXH Forgot to send his log in before going on holiday tut-tut...

Ronan MM0IVR CW: 5 x 40M, 2 x 20M, 2 x 17M, 2 x 15M

SSB: 2 x 40M, 6 x 20M, 1 17M

Thomas M0THL DATA: 1 x 30M, 1 x 20M

Thanks for taking part in the activity day week and I hope you will continue to do so in April 2022 and all of 2022. The dates for the 2022 are now set, see the above table so would love to see many more on as well so why not make it

HF Propagation Prediction

HF Propagation Prediction April 2022

Summary

Conditions slowly improving as daylight periods lengthen. Best chance of DX – 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.

12 and 10 metres are predicted to be closed, but there have been opportunities for SSB during daylight hours, late morning to early evening, with CW/Data a couple of hours either side of these times. Recent sporadic E activity has been evident on these bands, with activity extending into the later evening for CW and data modes. South America has been noted on 10 metres late afternoon/early evening.

Long Term Solar Summary – March 2022

Solar Cycle 25 seems to be off to a better start than predicted, with sunspots slightly higher. Cycle 24 reached minimum in December 2019 and peaked in April 2014 with a peak average of 82 sunspots. Solar Cycle 25 was 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 Flux (SFI) is predicted to tip over 100 in January 2023.

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.

Solar activity has been building the past two to three months, Solar Flux Index has been consistently higher leading to improved HF conditions, but a number of class 1 events being noted along with earth directed CME's causing minor disruption to HF communications. Prediction is that a larger event may occur within the

next few months.

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. 80m can also produce some DX possibilities. Best DX is likely to be on 20 metres at all 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!

(Continued on page 9)

(Continued from page 8)

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.

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 America and eastern USA.
07:00 – 17:00	SSB reducing to Europe and inter G as the day progresses. CW/Data modes possible into north Africa, central America and Asiatic Russia, and eastern USA, but again reducing to inter G late morning.
17:00 – 23:00	Mid 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, India, central and eastern Asia towards midnight.

30 Metres - 10 MHz – CW & Data only

00:00 – 07:00	CW/Data modes good to southern Europe, Africa, central and south America.
07:00 – 17:00	CW and Data modes good throughout Europe, North Africa Asiatic Russia.
17:00 – 23:00	CW/Data modes good through Europe and Africa. Moving westwards, south America possible from around 22:00

20 Metres - 14 MHz

(Continued on page 10)

(Continued from page 9)

00:00 – 07:00	Band closed to poor until around 05:00, 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 and USA late afternoon. CW/Data modes into Africa and south and central America, eastern Australia, Asia, Japan, China and India. USA/Canada late afternoon.
17:00 – 23:00	Early evening sees SSB in Europe, Africa, Arabian peninsula Asia, possibly India moving westwards to South America until around 23:00. Early evening also sees CW/Data possible to east Asia, Africa and south America. Diminishes around 23:00

17 Metres - 18 MHz

00:00 – 07:00	Band closed until around 06:00 with CW/Data possible to India.	00:00 – 07:00	Poor conditions - Band effectively closed.
07:00 – 17:00	SSB possible to southern Europe, South America and India. CW/Data modes possible to Australia, Indonesia, India and Antarctica during the day.	07:00 – 17:00	SSB possible to Southern Europe, north and south America during the day. Potential for SSB to southern Europe during the day.
17:00 – 23:00	SSB possible to southern Europe, South America and central America until around 21:00	17:00 – 23:00	SSB possible to South America until around 21:00

12 Metres - 24 MHz

15 Metres - 21 MHz

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>

April 2022

RSGB FT4 International Activity Day	0800Z-2000Z, Apr 3
PODXS 070 Club PSK 31 Flavors Contest	1000Z, Apr 2 to 0400Z, Apr 3
Louisiana QSO Party	1400Z, Apr 2 to 0200Z, Apr 3
SP DX Contest	1500Z, Apr 2 to 1500Z, Apr 3
RSGB 70MHz Spring Contest	0900Z-1200Z, Apr 3
RSGB 80M CC CW	1900Z-2030Z, Apr 4
ARS Spartan Sprint	0100Z-0300Z, Apr 5
UKEI 80M SSB	2000Z-2100Z, Apr 6
SARL 80m QSO Party	1700Z-1900Z, Apr 7
QRP ARCI Spring QSO Party	0000Z-0600Z, Apr 9
JIDX CW Contest	0700Z, Apr 9 to 1300Z, Apr 10
IG-RY World Wide RTTY Contest	1200Z, Apr 9 to 1800Z, Apr 10
SKCC Weekend Sprintathon	1200Z, Apr 9 to 2359Z, Apr 10
New Mexico QSO Party	1400Z, Apr 9 to 0200Z, Apr 10
Georgia QSO Party	1800Z, Apr 9 to 2359Z, Apr 10
RSGB 50MHz Spring Contest	0900Z-1200Z, Apr 10
Hungarian Straight Key Contest	1500Z-1600Z, Apr 10
ARRL Rookie Roundup, SSB	1800Z-2359Z, Apr 10
RSGB ROLO SSB	1900Z-2030Z, Apr 10
4 States QRP Group Second Sunday Sprint	0000Z-0200Z, Apr 11
RSGB FT4 Contest	1900Z-2030Z, Apr 11
Holyland DX Contest	2100Z, Apr 15 to 2100Z, Apr 16
ES Open HF Championship	0500Z-0859Z, Apr 16
Worked All Provinces of China DX Contest	0600Z, Apr 16 to 0559Z, Apr 17
YU DX Contest	0700Z, Apr 16 to 0659Z, Apr 17
CQMM DX Contest	0900Z, Apr 16 to 2359Z, Apr 17
Michigan QSO Party	1600Z, Apr 16 to 0400Z, Apr 17
Ontario QSO Party	1800Z, Apr 16 to 1800Z, Apr 17
Run for the Bacon QRP Contest	2300Z, Apr 17 to 0100Z, Apr 18
RSGB 80M CC SSB	1900Z-2030Z, Apr 20
NTC QSO Party	1900Z-2000Z, Apr 21
10-10 Int. Spring Contest, Digital	0001Z, Apr 23 to 2359Z, Apr 24
SP DX RTTY Contest	1200Z, Apr 23 to 1200Z, Apr 24
Helvetia Contest	1300Z, Apr 23 to 1259Z, Apr 24
RSGB MGM Contest	1400Z, Apr 23 to 1400Z, Apr 24
SKCC Sprint	0000Z-0200Z, Apr 27
UKEI 80M CW	2000Z-2100Z, Apr 27
RSGB 80M CC DATA	1900Z-2030Z, Apr 28
Florida QSO Party	1600Z, Apr 30 to 2159Z, May 1

CLUBLOG TABLES

The clublog table for 2022 has now started and we have a few early entries.

Martyn MM0XXW retains the lead with 99 DXCC.

Simply sign up to clublog.org, submit your log and join the CPSARC club there (members only)

John MM0JXI

Rank	Callsign	160	80	60	40	30	20	17	15	12	10	6 DXCC	Slots	Range
1	MM0XXW	0	28	20	29	41	51	19	24	45	13	0	99	270 16 yrs
2	MM0GPZ	59	23	0	34	0	13	6	12	0	3	0	79	150 17 yrs
3	M0RNR	0	7	6	20	2	25	18	27	0	18	0	68	123 23 yrs
4	MM0DXH	0	1	0	14	1	43	14	21	3	5	0	58	102 19 yrs
5	GM4UYZ	0	8	0	12	0	22	17	14	5	1	0	40	79 42 yrs
6	MM0NBW	0	0	0	18	0	27	3	8	4	0	0	39	60 5 yrs
7	2M0EGH	0	0	0	36	0	7	0	0	0	0	0	36	43 0 yrs
8	MM0GYG	0	1	0	4	0	5	7	5	2	0	0	18	24 13 yrs

Winners of the Italian Trophies for 2021

Presentations took place during the March Club at the Thorntree Inn, Cockenzie to the winners of the Italian Trophies in memory of Bob Purves GM4IKT.



The BOB PURVES GM4IKT TROPHY is presented to New Licences within the last 3 Years and this year the winner was Ronan Cantwell MM0IVR



The ITALIAN TROPHY is presented to all other licensees and this years winner is Marty Whyte MM0XXW.

Congratulations to both winners.

TEST YOUR KNOWLEDGE

- 1. 51 MHz is in the**
 - a. HF band
 - b. VHF band
 - c. UHF band
 - d. microwave band.

- 2. In which stage of the transmitter is the signal from the microphone placed on the radio carrier?**
 - a. Modulator
 - b. Audio amplifier
 - c. Antenna
 - d. RF amplifier.

- 3. A new desk microphone is plugged into the transmitter, replacing the hand microphone supplied. What control or adjustment should be checked?**
 - a. Transmit frequency.
 - b. Mode.
 - c. Microphone gain.
 - d. Receive audio volume.

- 4. To which part of a radio receiver is the antenna lead connected?**
 - a. Loudspeaker.
 - b. Audio amplifier.
 - c. Tuner and rf amplifier.
 - d. Detector.

- 5. The output from a transmitter should be connected to the antenna by**
 - a. waterproof mains cable
 - b. screened audio cable
 - c. bell wire
 - d. coaxial cable.

- 6. Effective Radiated Power (e.r.p) is the**
 - a. actual transmitter power
 - b. transmitted power after loss in the feeder
 - c. power to the antenna multiplied by the antenna gain
 - d. reading on a power meter in the output lead.

- 7. The SWR on a feeder is related to the**
 - a. transmitter power
 - b. received signal strength
 - c. diameter of the feeder
 - d. power reflected at the antenna.

- 8. Radio waves**
 - a. will stop when meeting an antenna
 - b. cannot be reflected
 - c. tend to travel in straight lines unless reflected or diffracted
 - d. can be stopped by any solid object.

- 9. The layers of conductive gas at heights from 70 to 400km used to reflect hf radio waves are called the**
 - a. hemisphere
 - b. bathysphere
 - c. ionosphere
 - d. atmosphere.

- 10. A domestic or amateur receiver may suffer interference from**
 - a. a CD player
 - b. an electric clock
 - c. an electric drill
 - d. a filament light.

Club Events

1 April 2022	Club Night
9 April 2022	GMDX Convention—King Robert Hotel Stirling
9-15 April 2022	Activity Week
24 April 2022	Blackpool Rally (note change of date)
6 May 2022	Club Night
7-13 May 2022	Activity Week
27 May 2022	1st 144MHz DF Hunt
28 May 2022	Port Seton Gala Day
3 June 2022	Club Night
11-17 June 2022	Activity Week
18/19 June 2022	Museums on the Air
24 June 2022	Club Night (early due to VHF Field Day)
2/3 July 2022	RSGB VHF Field Day
9 –15 July 2022	Activity Week
30/31 July 2022	RSGB IOTA Contest
5 August 2022	Club Night
12 August 2022	Mini Rally
13-19 August 2022	Activity Week
20/21 August 2022	Lighthouses Weekend
2 September 2022	Club Night
10-16 September 2022	Activity Week
16 September 2022	2nd 144MHz DF Hunt
7 October 2022	Club Night
8-14 October 2022	Activity Week
29/30 October 2022	CQWW SSB Contest