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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

November, I really cannot believe we are as far into the year as this. It really is a case of where has the year gone? The way it is an age thing, no comments from you all out there, but the years do seem to fly past so quickly, and it only seems five minutes ago that I was trying to put a 2018 Events Calendar together and here I am now doing the same for 2019.

On a personal basis it has certainly been a very busy few months with my dad being in hospital with visiting and eventually moving into a care home. Then the task of emptying his house and all the other tasks that I have needed to do along with that, to that end I have quite a backload to get through. I will get there in the end as they say.

[Everyone at the Club was saddened to hear that Bob's father passed away last week, we extend our condolences to Bob and his family at this very difficult time]

I also cannot believe that it is a year since I was awarded the British Empire Medal (BEM) in the Queen's Birthday Honours back in June 2017 and the investiture that took place on Monday 23rd October 2017 at the Town Hall in Haddington. I was presented with my BEM by the Lord Lieutenant on behalf of the Queen. To say I am chuffed to bits is an understatement on receiving this award for something that I just love doing.

Many thanks to those who nominated me and to say I am really, grateful that you think I am worthy of it. Plus, honestly I still cannot believe it ever happened.

What has happened over the past month regarding club events? We had a talk by Geoff MM5AHO on his "Adventures of 2018". A fantastic event which sadly wasn't really supported. Ok I know it was the School holiday week and one or two were away and someone was caught up working in Newcastle which made it impossible to attend. Maybe my fault for not checking the school calendar to see when the school holiday dates were.

There has also been our monthly Activity Week as well. The last contest of the year as far as the club is concerned is CQWW SSB Multi-2 Section, which we should have done from Barns Ness but this year the buildings were not available so thanks to Donna MM6GDY who is allowing us to set up the station at her farm quite near to the Lighthouse. I should say as I write this it has still to happen. I am praying it was as successful as 2014 regarding QSOs and score as we had a tremendous number of QSOs that year.

On the training front the last Intermediate Course candidates sat their exam on the 20th October and glad to

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say all passed with flying colours. I am now delivering the next Foundation Course, starting tomorrow with the 9 candidates and they take their exam on the 10th November so I hope you will go along with me and wish them all the very best for the exam.

Regarding the next planned Intermediate Course starts on the 17th November I have a few candidates already but I'm also hoping to interest the Foundation candidates if they pass. The last course for this years' training is the Full (Advanced) course starting 12th January 2019... If you know of any one interested in any of the courses can you get them to get in touch ASAP so I can get them booked in or added to next years' training program...

This month we have a talk and demonstration by John MM0JXI on the µBIX Transceiver kit. Really looking forward to that as it will be fascinating. I know the amount of time that it takes to prepare a presentation and there is nothing more demoralising than when very few people turn up to listen to you. I hope you will all go out of your way to attend the talk.

Lastly, we have our Christmas Night out on the 8th December @19:00, and this year we are going for a

Christmas Meal at the Golden Chopsticks at 102 New Street, Musselburgh EH21 6JQ. This is your last chance if you want to go, so please come and join those who are going and have a good fun night, it costs £25 a head. This will be a kitty and if we need more on the night then we will just have to put the rest to it. I should also say that I need the money for the evening by the 1st December at the VERY, VERY LATEST so thanks in advance for your help here. If you want to go let me know ASAP, thanks. As always please check the events column for full details.

Last thing, I am still looking for ideas for next years Events Calendar so please forward any that you have ASAP, so I can complete the 2019 one. Already got one or two ideas but having more means that they are some extras in the "pot" for future.

I feel that I have missed something but I can't think what it might be, old age and senility creeping in I think!!! That's it then, enjoy the newsletter this month and I hopefully will see you all at this month's coming events.

Bob GM4UYZ

The Adventures of MM5AHO - 2018

talk by Geoff MM5AHO - Friday 19th October 2016

Once again, we were delighted for Geoff to deliver another of his maritime adventures talks for not just lighthouse weekend but for 2018. This presentation was entitled "St Kilda, Rockall, Mountains, Mussels and a Lighthouse"

This year he took part in some yacht races all with their different rules. One being that they ferried runners to different allocated places where the runners carried out different tasks for example running up to the top of Ben More on the Island of Mull. When the runners returned they then sailed off to the next location where the runners then did their next tasks and so on and so forth. Another was sailing from Northern Ireland out to St Kilda and then on to the destination. Sadly, some of the races were cancelled and not completed due to people having severe sea sickness due to the sea and weather conditions... Been there and know how it feels....

As part of another yachting story they headed to a mussel party which is held every year. The event is organized by the owner of a mussel farm. The mussels are picked from the farmed mussels then sorted and

cleaned before being cooked and of course consumed along with copious amounts of drink.

Geoff's main task for 2018 was to sail to Rockall and if it was safe to try and land on it. Two yachts headed out to Rockall and eventually reached the "lone" rock out there in the Atlantic, sadly due to the swell trying to land on it was totally out of the question but they at least made it. On the way back, they sailed to St Kilda where they managed to go ashore for a short time before heading back to the mainland.

On the day of Lighthouses Weekend Geoff and Matt were operating from his yacht in Loch Fyne. We at GB2LBN just managed to make contact. Overall, they had 300 QSO's in the log.

Overall it was a fantastic talk and it was a real pity very few took up the opportunity to come and listen to it. I certainly was a bit disappointed for Geoff's sake. To those of us who attended, many thanks for the support. It was once again a great talk and Geoff is now looking forward to his next adventure...and he is looking for ideas.

Thanks again Geoff from us all.

Changes to the License Syllabus

I started delivering Amateur Licence training away back in 1995 when it was the Novice licence structure. This continued up to 2001 when the Licencing Structure changed to the present format – Foundation, Intermediate and Full.

To produce and run the training courses it meant making sure that I covered every aspect that was in the syllabus. For the Novice Licence I produced my own paper notes for the course. That took a couple of months if I remember to produce. When the new structure started in 2002 I moved to using PowerPoint. My first course that I produced slides for was the Foundation then I started delivering the Intermediate in 2004 and finally the Full in 2006. From 2001 to 2005 there were a few people who self-studied the Full Licence and all that we did was invigilate the exams.

I tried to tot up how long it took me to produce the training PowerPoints initially and I reckon over 6 months. Yes, a fair amount of time. There have been small changes to the syllabuses over the years and each of the licence PowerPoints have been adjusted to show the changes.

Due to Ofcom and the RSGB the syllabuses are changing to start in August 2019. The changes are massive with moving material from one level to another i.e. Full to Intermediate, Intermediate to Foundation plus the addition of new topics. (not sure if the moves are worthwhile in my opinion). This has meant that I have had to in a sense start from scratch again for each subject. Starting with my original PowerPoint going through the syllabus and removing what is no longer required, taking the subjects that have moved from the Intermediate and putting them in the Foundation. I even have some information that was in the Full now

appearing in the Foundation. New material for the Foundation was also added.

Then I did the same with the Intermediate removing redundant slides, moving information from the Full and adding new material.

The Full licence again removed redundant material and added any new material.

Once all that was done I doubled checked with the new syllabus's issued in August 2018 and went through each Licence ensuring that every point was covered in the training PowerPoints.

How long did it take me to do all off that, well I started in January 2018 and finally finished it in mid-October? As you can see overall a few months working when I could get time, but I will add this has been my major Club focus this year to the extent I know other areas have suffered. I must add that it wasn't being done on a full-time basis due to other home and family commitments.

I have produced a small spreadsheet to show changes on each of the Licences regarding PowerPoint Topics.

I should add I also need to look at what changes there has been in the practical element for the Foundation and Intermediate and see what I need to maybe purchase, etc I also need to work out the timings or each course – do I need extra days, less days, etc. These points I am working on as I write this.

So, why talk about this.? For me it is to show to others that when they make decisions about massive changes I think they often forget about those who are at the "sharp end" putting it all together. We are not
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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

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employed to do this but do it when we can. As you can see from my prospective it has been many hours and days of commitment to achieve the requirements. Do other trainers have that time?

Easy to sit and say let's do this, let's do that without thinking of the implications on what is being said. Right I'd best get off my hobby horse.

For others I hope this small article will make them understand what is required to deliver training at no matter what level. Too many people out there just criticise. Well to those of us who deliver training we do it with enthusiasm and see it as our way to keep our fabulous hobby alive. It is not our decision to what aspect of the hobby the new licensees will take up, it is their choice,

IT IS A HOBBY AFTERALL.

TRAINING POWERPOINTS NUMBER OF SLIDES/PRESENTATION

TOPICS	FOUNDATION No: of Slides		INTERMEDIATE No: of Slides		FULL (ADVANCED) No: of Slides	
	Feb-17	Jan-19	Feb-17	Jan-19	Feb-17	Jan-19
	Introduction & Licence Conditions	32	39	40	31	73
EMC	12	16	21	21	45	46
Op Practices & Procedures	21	28	20	13	25	13
Propagation	9	9	10	14	29	33
Safety	16	25	15	18	25	25
Feeders & Antennas	18	31	28	28	57	51
Technical Aspects	22	33	74	92	160	114
Transmitters & Receivers	19	23	45	61	164	161
Construction			26	27		
Measurements					45	52
	149	204	279	305	623	553

Increase of Slides	
Foundation	55
Intermediate	26
Full	-70

Increase 27%
 Increase 25%
 Decrease -13%

Existing Slide Totals 1051
 New Slide Totals 1062

CHRISTMAS NIGHT OUT

SATURDAY 8th DECEMBER @ 19:00

**** LAST CHANCE ****

Yes, I can't believe that I am thinking about and organising our Christmas Night out and it is still August as I write this. After discussions with quite a few people it was suggested the Golden Chopsticks in Musselburgh (Fisherrow) as a venue so to that end I have booked a reservation for 30 people. The advantage is that it is central for everyone and it is right on the major bus routes.

Now the details...

Venue: Golden Chopsticks
Address: 102 New Street, Fisherrow,
Musselburgh EH21 6JQ
Telephone No: 0131 665 5100
Date of Meal: Saturday 8th December 2018
Time: 19:00
Location: Main Restaurant

Meal Type: **Restaurant Menu**
£25/Head

Note: this is a Kitty value and hopefully will cover the meal and some drinks. If the bill comes to more than this then obviously we will need to split the extra between us.



MY QUESTIONS...

Are you going ----- YES or NO

(Can you respond to me at bob.gm4uyz@talktalk.net whichever way you decide)

If YES then I need from you the following:

How many are going 1 or 2 or how many?

First Names

DEPOSIT of £10/HEAD or FULL PAYMENT as soon as possible to confirm going.

The full amount needs to be paid by the 1st December as I need to confirm the booking with the restaurant on the 1st December

Payment methods

CASH

CHEQUE made payable to Robert Glasgow

Bank Transfer

Send me an email and I will give you the account information

It is important that you let me know your decision as soon as you can plus help me get the money in as I just hate chasing people. Thanks in advance for all your help here.

Bob GM4UYZ

October Activity Day report

YOUR" selected date between 14th to 20th October 2018 00:00 to 23:59

This is our tenth of 2018 where you can have selected your date to operate during the one-week selected period..... so reports below on who or who didn't take part

The Activity Day rules and updated log sheet for 2018 they have now changed and can be found using the following link:

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

Look under Activity Days and the files are:

2018 Monthly Activity Day Rules

2018 Activity Day Logsheet v1.7

Apologies first:

Bob MM0LBF

Nothing from me Bob as was on holiday

Reports:

Bob GM4UYZ

Managed to get on the air for a little while and hoped to work some DX in the SAC (Scandinavian Activity Contest) but didn't hear a peep. Found that there was a huge geomagnetic storm on the go, hence the bands dead. You had to work stations in Scandinavia So, decided to try FT8 and managed a few QSO's

Martyn MM0XXW

I've a new dipole waiting to go up and frankly I can't wait as it's a bit difficult working with a vertical all the time so looking forward to that just waiting for the guy rope to arrive!

Anyway a few entries into the log today and all were SSB on 40m which had massive QSB however I persevered and am happy with my lot.

Tom GM8MJV

No FT8 for this – in fact no FT8 all week!! - There was a 4m RSGB activity night on the Tuesday - so bulk of log is 4m - not one of my better bands but must start somewhere. Pleased to work a new square in Sweden during the afternoon as only really 2 amateurs with a

4m licence. It was via Meteor Scatter and there were a few around as completed quickly.

Andy MM0GYG

I was on 17m, 20m and 40m using SSB. The bands were in much better shape. Heard plenty from the east coast of America and all over Europe. Only one contact and he reported that my modulation was low. So, I'm looking at that. I did a two-tone TX test and it all looks fine, nice linear signal and well-modulated. My SWR meter reports about 70W, but given it has a physical needle it's probably reporting low. I need to investigate this further as the OM wasn't the first to report low modulation to me.

Geoff GM0LOD

Nothing sparkling this month due to great activity at QTH. We have totally rearranged two rooms. We are pleased with the results but totally cream crackered; hence little time for playing radios.

Craig 2M0NBW

Attached my activity day log for October. As per usual I was away from home with work during the week and only managed on for an hour or so and things were quiet. Still managed to pull in Canada and the US. No SSB this time.

Colwyn EA6/MM0YCJ/P

My October log for 15th October. We had caught the ferry across to Mallorca from Valencia. There were thunder storms when we left but the Mediterranean never gets that rough and so we had a pleasant enough crossing. We called in at Ibiza on the way at 03:00 hours and as I was asleep, I was unable to execute my plan to leave the XYL on board and disembark at Ibiza. Not sure why but please don't tell the XYL!

It was a bright morning when we arrived but clouds were building and so we left La Palma and drove west to the Col de Vent (Windy pass) on the Ma 1043 road. We found a small parking place on the top of the pass, but the available parking is very limited, and the road is narrow and very twisty.

Having parked up there is a good track that leads to the summit of EA6/MA-033, Pujol de Gat. It is a modest height (511m , 1677ft) took 20 minutes and there was ample space to set up the 20-metre-long

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half wave inverted V dipole for 40m (7MHz) operation. Several goats seemed to consider the peak as their home territory. Using the Elecraft K2 (10 watts) I was able to raise eight stations on 40m and two on 20m. All on SSB.

So, a successful morning on the radio, but then the rain started!

This month DATA is the winning mode this month. DATA FT8 is still being the predominant Data mode. Regarding modes being worked then out of the 51 QSO's made: CW = 0, SSB = 24, Data = 27, FM = 0. Best DX on Data was by Bob GM4UYZ working I6VTO on 14Mhz at 1974kms into the Italy and on CW there were no QSO's and on HF SSB Martyn MM0XXW working 3Z100M on 7MHz at 1611Kms into Poland. VHF or UHF and upwards QSO's to report this month best DX on both 4M & 6M using MK144 working SM4KYN on both bands at 1029Kms. Thanks Tom GM8MJV for these reports.

The next Activity Day is any day starting on the week beginning the 11th and ending on the 17th November 2018.

Summary of who did what:

Total QSO's = 51

where: 0 = CW, 27 = SSB, 23 = DATA, 0 = FM

Bob GM4UYZ DATA: 16 x 20M
Martyn MM0XXW SSB: 9 x 40M
Tom GM8MJV DATA: 2 x 6M, 5 x 4M
SSB: 3 x 4M
Andy MM0GYG SSB: 1 x 40M
Colwyn EA6/MM0YCI SSB: 8 x 40M, 2 x 20M
Geoff GM0LOD SSB: 1 x 40M
Craig 2M0NBW DATA: 3 x 17M, 1 x 2M

DATES FOR YOUR DIARY FOR THE 2018/19 ACTIVITY WEEKS

<u>MONTH</u>	<u>ACTIVITY WEEK</u>
November	11th to 17th November
December	9th to 15 th December
2019	
January	6th to 12 th January
February	10th to 16 th February
March	10th to 16 th March
April	7th to 13 th April
May	5th to 11 th May
June	9th to 15 th June
July	7th to 13 th July
August	4th to 10 th August
September	8th to 14 th September
October	6th to 12 th October
November	10th to 16 th November
December	8th to 14 th December

Thanks for taking part and I hope you will continue for the rest of 2018. The dates for 2019 are now set, see the above table so would love to see many more on as well so why not make it your 2019 target.

Bob GM4UYZ

NOVEMBER 2018 CONTESTS

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

Happy Contesting.....

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

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

November 2018	
Ukrainian DX Contest	1200Z, Nov 3 to 1200Z, Nov 4
144MHz CW Marconi	1400Z, Nov 3 to 1400Z, Nov 4
ARRL Sweepstakes Contest, CW	2100Z, Nov 3 to 0300Z, Nov 5
High Speed Club CW Contest	0900Z-1700Z, Nov 4
WAE DX Contest, RTTY	0000Z, Nov 10 to 2359Z, Nov 11
10-10 Int. Fall Contest, Digital	0001Z, Nov 10 to 2359Z, Nov 11
JIDX Phone Contest	0700Z, Nov 10 to 1300Z, Nov 11
OK/OM DX Contest, CW	1200Z, Nov 10 to 1200Z, Nov 11
SKCC Weekend Sprintathon	1200Z, Nov 10 to 2359Z, Nov 11
CQ-WE Contest	1900Z, Nov 10 to 0500Z, Nov 12
RSGB Club Calls (1.8MHz AFS)	2000Z-2300Z, Nov 10
Autumn Series Data	2000Z-2130Z. Nov 12
YO International PSK31 Contest	1600Z-2200Z, Nov 16
SARL Field Day Contest	1000Z, Nov 17 to 1000Z, Nov 18
LZ DX Contest	1200Z, Nov 17 to 1200Z, Nov 18
All Austrian 160-Meter Contest	1600Z, Nov 17 to 0700Z, Nov 18
RSGB 2nd 1.8MHz Contest	1900Z-2300Z, Nov 17
ARRL Sweepstakes Contest, SSB	2100Z, Nov 17 to 0300Z, Nov 19
Run for the Bacon QRP Contest	0200Z-0400Z, Nov 19
RSGB Autumn Series SSB	2000Z-2130Z. Nov 21
CQ Worldwide DX Contest, CW	0000Z, Nov 24 to 2400Z, Nov 25
SKCC Sprint	0000Z-0200Z, Nov 28
RSGB Autumn Series CW	2000Z-2130Z. Nov 29
ARRL 160-Meter Contest	2200Z, Nov 30 to 1600Z, Dec 2

CONTESTS ACTIVE DURING CPSARC	ACTIVITY WEEK – 11 th to 17 th November
	January to December Monthly Contests 2018
144MHz FMAC	1900-2000 (Local) Every 1st Tuesday
144MHz UKAC	2000-2230 (Local) Every 1st Tuesday
432MHz FMAC	1900-2000 (Local) Every 2nd Tuesday
432MHz UKAC	2000-2230 (Local) Every 2nd Tuesday
50MHz FMAC	1900-2000 (Local) Every 2nd Thursday
50MHz UKAC	2000-2230 (Local) Every 2nd Thursday
70MHz FMAC	1900-2000 (Local) Every 3rd Thursday
70MHz UKAC	2000-2230 (Local) Every 3rd Thursday
1.3GHz UKAC	2000-2230 (Local) Every 3rd Tuesday
SHF UKAC	2000-2230 (Local) Every 4th Tuesday (Jan-Nov Only)

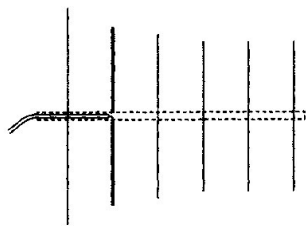
Test Your Knowledge

1. **The coaxial cable from an h.f dipole antenna would normally be connected to an amateur transceiver using a**

- a. pair of screw down terminal
- b. pair of 4mm plugs
- c. PL259 plug
- d. two pin DIN connector

2. **This is a diagram of a**

- a. ground plane antenna
- b. yagi antenna
- c. 5/8 antenna
- d. Horizontal dipole.



3. **A balun is**

- a. used instead of a dummy load
- b. used to connect a dipole to coaxial cable
- c. a particular type of antenna
- d. A type of feeder.

4. **Two receiving stations are situated on clear open ground 5km and 10km from a VHF transmitter. The further station will**

- a. receive a weaker signal because the signal has spread out more
- b. receive the same signal because they are both in clear ground
- c. receive no signal if it is directly behind the closer station
- d. Only receive a signal if it is correctly licensed.

5. **The ionosphere is**

- a. another name for the air we breath
- b. conductive gasses at heights of 70 to 400km
- c. a type of spherical transmitting antenna
- d. a piece of amateur radio test equipment

6. **Amateur transmissions might be picked up by**

- a. any wiring in the neighbour's house
- b. only wiring which is longer than 2 metres
- c. only wiring that does not have an earth lead
- d. Earth leads only.

7. **One way of reducing the possibility of interference from a single sideband (s.s.b.) transmitter to a television receiver in the next house is to**

- a. use an indoor transmitting antenna
- b. increase power input to the transmitter
- c. decrease power input to the transmitter
- d. Decrease the number of frequency multiplying stages in the transmitter.

8. **Why is it advisable to purchase a ready made filter for fitting in the mains lead of a radio receiving device?**

- a. A home made device may not let the radio signals through.
- b. A purchased item will look much nicer.
- c. The filter may not work well.
- d. It is dangerous to put home made devices in the mains.

9. **The difference between a CQ call on 2 metres FM and one on HF SSB is that the call on FM**

- a. is usually much shorter than when on HF SSB
- b. must be made at the lowest possible power
- c. needs to be repeated many times while somebody is tuning in to your signal
- d. Is only permitted on the set calling channels. -,

10. **In the 2 metre band plan, the frequencies from 144.994MHz to 145.1395MHz are allocated to**

- a. fm simplex channels
- b. fm repeater inputs
- c. SSB and CW only
- d. Satellites.

Club Events

2 November	Club Night
16 November	Club Talk John MM0JXI µBITX Radio kit
7 December	Club Night
8 December	Christmas Meal @ Golden Chopsticks
2019	
11 January	Club Night
1 February	Club Night
15 February	Radio Test Night
1 March	Club Night
5 April	Club Night
3 May	Club Night
10 May	1st 144MHz DF Hunt
7 June	Club Night

Clublog Tables

Rank	Callsign	160	80	60	40	30	20	17	15	12	10	6	DXCC	Slots	Range
1	MM0GZZ	0	0	0	69	80	79	67	0	0	18	45	128	358	10 yrs
2	GM8MJV	0	19	0	64	2	78	14	12	0	3	78	125	270	40 yrs
3	GM2T	0	52	0	57	0	77	0	59	0	19	14	89	278	19 yrs
4	MM0GPZ	1	50	0	53	0	71	2	32	0	33	1	85	243	13 yrs
5	MM0XAB	0	6	0	17	31	27	14	9	5	12	0	80	121	4 yrs
6	M0RNR	0	0	0	31	0	68	0	10	0	7	0	75	116	19 yrs
7	MM2N	1	45	0	52	0	58	0	31	0	28	0	69	215	6 yrs
8	MM0XXW	0	2	0	44	52	36	33	15	16	22	6	68	226	12 yrs
9	2M0NBW	0	12	0	27	1	44	31	26	0	11	0	63	152	1 yrs
10	2M0BEC	0	0	0	0	0	61	0	0	0	1	0	62	62	12 yrs
11	GB2LBN	0	0	0	23	0	43	0	0	0	0	0	51	66	23 yrs
12	GB2MOF	0	0	0	16	0	43	0	0	0	1	0	47	60	17 yrs
13	GM4UYZ	0	3	0	5	0	41	0	2	0	0	0	43	51	38 yrs
14	MM0GYG	0	0	0	19	9	13	4	1	0	0	2	31	48	9 yrs
15	MM0CPS	0	1	0	7	0	15	0	12	0	0	0	28	35	20 yrs

Answers from November 2018 newsletter "Test Your Knowledge":
1C, 2B, 3B, 4A, 5B, 6A, 7C, 8D, 9A, 10B