



FIVE AND NINE PLUS

THE OFFICIAL NEWSLETTER
OF THE
APPLEDORE AND DISTRICT
AMATEUR RADIO CLUB

Club Callsigns: G2FKO and GX2FKO
Web Site : www.adarc.co.uk

CLUB'S OFFICERS

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	Ben Louder	2E0FTZ
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July 2023

EDITORIAL

This month's Meeting on **July 17th** is a change from the original timetable and is a general **Natter Night** combined with an opportunity to **experiment/operate the Club gear**.

This change has resulted from an exciting offer by **Martin Lynch** to give our Club a talk in

person on the history of his **World Famous Ham Radio Store at our August meeting**. This is thanks to Mike (G3PGA) and is quite a coup for our Club and a date for your diary.

Your Committee has recently heard from **Ray (M0TLO)** that for personal reasons he feels **no longer able to continue as our Club Treasurer** but will continue to be a member of the Club Committee.

The Club would like to thank Ray most heartily for all his hard work as Treasurer. Ray will be stepping down from the beginning of this August and hence there is an **urgent need for any Club member to offer to take over the Treasurer's role until our AGM next March**. So if you would like to volunteer your services, please contact any Committee member. Ray has kindly offered to help with the handing over documentation and procedures so you wouldn't be thrown in at the deep end. Many thanks to all members who have **renewed their subs** and a **final reminder** to anyone who has forgotten, please do so before the **end of July**.

Finally, included in this Newsletter is the latest issue of the **User Guide for the GB3ND North Devon DMR**



photo courtesy of
Martin Lynch G4HKS

Repeater which will be most welcome to many members.
Terry (G4CHD)

CLUB MEETINGS

Meetings are held at the **Appledore Football Social Club** starting at 7.30pm for 8.00pm. Visitors always welcome. For further information, please contact the Secretary, John (G3JKL) - see panel above for contact details.

Date	Topic
July 17 th	Natter/Operating Night
August 21 st	History of the World Famous Ham Radio Store by Martin Lynch
September 18 th	First to Buzzer Quiz by John (G3JKL)
September 23/24 th	Railways on the Air - Bideford Heritage Centre - Special Event
October 16 th	Natter Night
November 20 th	Talk by Dave (2E0KVJ) TBC
December 18 th	Christmas Party
January 15 th	Bring & Buy
February 19 th	Talk - Topic & Speaker TBA
March 19 th	AGM
April 15 th	Open Meeting - possibly via TEAMS

REPORT ON OUR JUNE MEETING

Bring & Buy

There was the usual good attendance for another Bring & Buy evening with lots of goodies on offer. It was also an opportunity for the Club assets to be assessed as to what should be kept, sold or disposed of. Items in the last category were available for members to help themselves to with anything left to be taken to the tip. An enjoyable evening with plenty of opportunity to also have a cuppa and a chat.

LOCAL REPEATERS/GATEWAYS

2m Stibb Cross Repeater (GB3DN)

<http://www.g0rql.co.uk/gb3dn.htm>

User: Listen 145.6375 MHz - Transmit 145.0375 MHz.
Access 1750 Hz Tone or 77 Hz CTCSS
Repeater keeper is Tony (G1BHM)

Fusion/C4FM/WiresX Gateway (MB6DT)

Frequency 144.8125 MHz.
Gateway Keeper Darren (2E0LVC)

Fusion/C4FM/WiresX Gateway (MB6DN)

Frequency 144.825 MHz.
Gateway Keeper Drew (M0MFS)

LOCAL NETS

- Weekday Zepp FM Net: Mon/Tues/Thurs/Fri :
145.450MHz - 4pm - 5pm
Wed via GB3DN - 4pm - 5pm
Net Control : Len (M0SXY)
- 2m Elevenses FM Net: Mon/Wed/Fri :
11 - 12.00 noon via GB3DN
Net Control ; Mike (G3PGA)
- Friday Night 2m Net: Friday : 145.450 FM, 8 - 9pm
- Sunday Top Band Net: Sunday 1.860 MHz
9.30 - 10.15am
(LSB - 32W pep max)
- 2m SSB Nets: Wed: 8 - 9pm 144.260MHz
USB SSB (Vertical polarised)
Sun: approx 10.30am (follows
Top Band Net) 144.260MHz
USB SSB (Vertical polarised)
- Sunday FM Net: Sunday: 11 to noon via GB3DN
Net Control : Chris (G0FJY)

OFCOM CONSULTATION DOCUMENT ON PROPOSED CHANGES TO THE AMATEUR RADIO LICENSE

This will affect us all and therefore is worth looking into. The full ofcom pdf document is available at :-

https://www.ofcom.org.uk/data/assets/pdf_file/0021/263181/consultation-amateur-radio-review.pdf

and a useful overview can be seen in the following YouTube short video :-

<https://www.youtube.com/watch?v=ctWViiEgPbE>

SALE OF KEITH'S (SK) (G0AYM) HF TRANSCEIVER

Jean is selling Keith's **Yaesu FT1000MP** which had been little used for **£650 ovno**.



For further information, contact Jean at :-

luckyjean65@gmail.com

This advert has been repeated due to an error in the email address given in an earlier Newsletter.

Finally, the User Guide for the GB3ND North Devon DMR Repeater is on the following pages.

Enjoy the read

Best 73s Terry (G4CHD)

GB3ND *digital*

NORTH DEVON DMR REPEATER

Rob GØHFN

User Guide v1.01





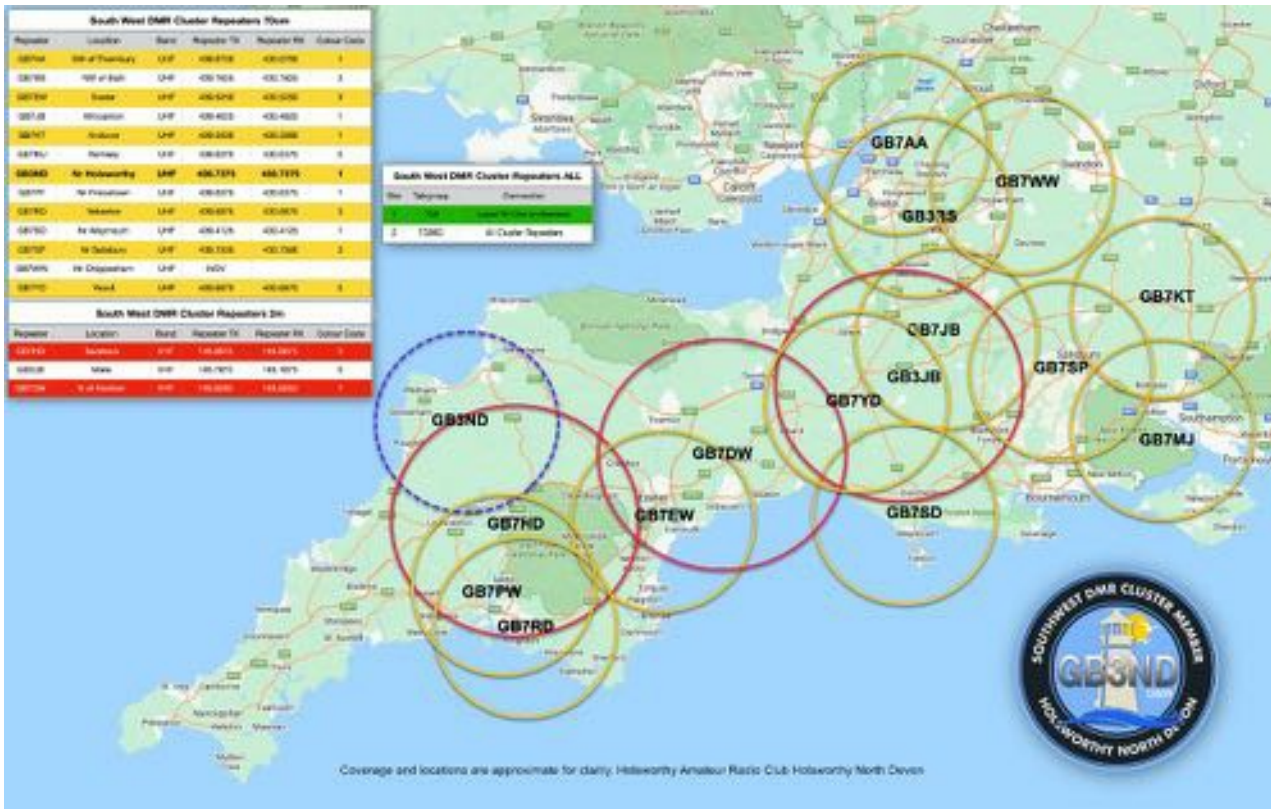
Introduction

After months of testing GB3ND is now operational (albeit from a temporary location). The repeater is now a member of the South West DMR Cluster, The cluster is an expanding group of DMR repeaters that currently spans a large part of the South West. It was felt that joining the cluster was best fit for North Devon and would compliment the current 2m VHF FM repeater, GB3DN.

GB3ND uses a Motorola DR3000 professional grade DMR repeater. It is DMR only. The only way to access the cluster is by using RF into one of the repeaters listed. GB3ND has a 'dial on demand' option on slot1/TG9 which allows users connect to talk groups outside the cluster. (page 5)

South West DMR Cluster Repeaters ALL		
Slot	Talkgroup	Connection
1	TG9	Local RF/Dial on Demand
2	TG950	All Cluster Repeaters

The South West DMR Cluster





South West DMR Cluster Repeaters 70cm					
Repeater	Location	Band	Repeater TX	Repeater RX	Colour Code
GB7AA	SW of Thornbury	UHF	439.6750	430.6750	1
GB7BS	NW of Bath	UHF	439.1625	430.1625	3
GB7EW	Exeter	UHF	439.5250	430.5250	3
GB7JB	Wincanton	UHF	439.4625	430.4625	1
GB7KT	Andover	UHF	439.5000	430.5000	1
GB7MJ	Romsey	UHF	439.6375	430.6375	5
GB3ND	Nr Holsworthy	UHF	439.7375	430.7375	1
GB7PF	Nr Princetown	UHF	439.6375	430.6375	1
GB7RD	Yelverton	UHF	439.6875	430.6875	3
GB7SD	Nr Weymouth	UHF	439.4125	430.4125	1
GB7SP	Nr Salisbury	UHF	439.7500	430.7500	3
GB7WW	Nr Chippenham	UHF	NOV		
GB7YD	Yeovil	UHF	439.6875	430.6875	5

South West DMR Cluster Repeaters 2m					
Repeater	Location	Band	Repeater TX	Repeater RX	Colour Code
GB7HD	Tavistock	VHF	145.6875	145.0875	3
GB3JB	Mere	VHF	145.7875	145.1875	5
GB7DW	N of Honiton	VHF	145.6250	145.0250	7



Radio Programming

To access GB3ND your radio needs to be programmed with two channels detailed below.

Channel 1: **GB3ND LOCAL** Slot one (TG9) is for local RF working (normal repeater)

Channel 2: **GB3ND CLUSTER** Slot 2 (TG950) is for the South West DMR Cluster.

In operation

- Use Slot 1 for local QSO's and Dial on Demand
- Always leave a three second+ gap between overs.
- Include where you are accessing the network from in a general call to give other stations on the South West Cluster an idea where you are.
- Don't forget to disconnect from an external talk group (private call to 4000)
- When you press the PTT you will receive a talk permit tone, this means ND can hear you. However, you will receive will **no squelch tail, smooth noise. or end of over pips**. This is normal. Remember, this is digital radio and it doesn't work quite the same way as DN.

South West DMR Cluster Repeaters 70cm						
Repeater	Location	Band	Repeater TX	Repeater RX	Colour Code	
GB7AA	SW of Thornbury	UHF	439.6750	439.6750	1	
GB7BS	NW of Bath	UHF	439.1625	439.1625	3	
GB7EW	Exeter	UHF	439.5250	439.5250	3	
GB7JB	Wincanton	UHF	439.4625	439.4625	1	
GB7KT	Andover	UHF	439.5000	439.5000	1	
GB3ND	Holsworthy	UHF	439.7375	430.7375	1	TG9 LOCAL
GB3ND	Holsworthy	UHF	439.7375	430.7375	1	TG950 CLUSTER
GB7ND	Wolverton	UHF	439.6675	439.6675	3	
GB7SD	Nr Weymouth	UHF	439.4125	439.4125	1	
GB7SP	Nr Salisbury	UHF	439.7500	439.7500	3	
GB7WW	Nr Chippenham	UHF	NOV			
GB7YD	Yeovil	UHF	439.6675	439.6675	3	
South West DMR Cluster Repeaters 2m						
Repeater	Location	Band	Repeater TX	Repeater RX	Colour Code	
GB7ND	Totnes	VHF	145.0675	145.0675	3	
GB7JB	Moss	VHF	145.7875	145.7875	5	
GB7DN	N of Honiton	VHF	145.8250	145.8250	7	



Dial on demand talk groups

Below are examples Consult your particular radio manual on 'How to make a private call'

To manually dial a talkgroup on the FreeDMR or Phoenix DMR networks. First select your radio's pre-programmed (TG9 Local/Slot 1 channel) for GB3ND. On Motorola type radios press P2 or on Anytone and variants press the red button below the screen <LIST> (twice)

For both Anyone and Motorola radios select <manual dial>. <Private call> Press <Select> on the Anytone (Green button) or the OK button on the Motorola. On the Motorola there is one further step, select <Radio number> then OK



Depending on your radio it may be possible to program a button as a shortcut.

Using the keyboard type the talk group number you wish to use. (In the example left, UK wide calling talk group 235). Press the PTT briefly. The repeater will respond with "LINKED TO 235". On Anytone radios you may go ahead use the talk group. Motorola radios will have to be returned to the home screen before doing so. Press the home button on the keyboard until returned to the home screen. Motorola users may now use the talk group.

Please remember to disconnect from the dialled talk group when you have finished. To disconnect follow the above manual dial/private call procedure and dial in 4000 then press the PTT briefly.

GB3ND should respond with *NOT LINKED*

You may check connected status by dialling in 5000 and pressing the PTT.

Inactivity timer is 10mins.



For radios without keyboard: If required, it is possible to add favourite talk groups as PRIVATE contacts to the contacts list in memory. To use, select the contact PTT briefly to connect, listen for connected message, then return the radio to TG9 to use the talk group. This also applies to TG4000 (disconnect) and TG5000 (status)



Please consider making a donation to support your local repeaters, GB3DN and GB3ND.

Repeater bank account details :

GB3DN Repeater Management

(select business account for account type)

Account number **72293486** Sort code **09-01-54**

reference: **Your call sign**

Alternatively, pop a cheque in the post made payable to **GB3DN REPEATER MANAGEMENT** and send to Mr D Roomes, Viewfield, Shop Cross, Milton Damerel, Holsworthy, Devon EX22 7NY. Please put your call on the rear of the cheque so we know who you are.

Further reading links

Using the Southwest Cluster: <https://tinyurl.com/BristolIRG>

Southwest Cluster info: <https://tinyurl.com/GB3JB>

errors and omissions to Rob GØHFN (email correct on QRZ)