



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

President	Terry Adams	G4CHD
Chairman	Mike Wogden	G4KXQ
Vice Chairman	Graham Stephens	M1GRA
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Treasurer	Ray Hunter	M0TLO

Committee	Alan Fisher	2E0EUZ
	Ben Louder	2E0FTZ
	Stephanie Ebbans	M1CVJ
	David Boyes	2E0KVJ
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May 2023

EDITORIAL

This month's Meeting on **May 15th** is another 'Back to Basics' talk by **Terry (G4CHD)** on **Transmitter Audio** so you've been warned! The Talk itself will be short and sweet leaving time for members to join in and describe their own experiences..

As you can see opposite, your **Committee has had its first Meeting** via TEAMS (free version) resulting in an interesting mix of **meeting topics**. If members have any suggestions or would like to give a talk etc then please contact any Committee member.

John (G3JKL) reported that he had contacted the organiser of the **Bideford Park Event on June 3rd** to inform them of our intent to participate and requesting a larger space to be allocated to enable eg a dipole to be erected. **Please make a note in your diary as this is quite soon - members' help will be much needed in both setting up and dismantling the Station as well as operating/logging.**

Terry (G4CHD) reported that he had contacted **Bideford Heritage Railway** to let them know we wished to participate in the Railways on the Air weekend on **September 23/24th**.

Ben (2E0FTZ) and Dave (2E0KVJ) have offered to set up and moderate a **Social Media** presence for our Club which will be extremely useful.

Finally, Terry (G4CHD) was able to visit **Len (M0SXY)** to present him with the **Jim McFee Cup** for his tireless support keeping the Zepp Net running - see picture later in this Newsletter.
Terry (G4CHD)



CLUB MEETINGS/EVENTS

Meetings are held at the **Appledore Football Social Club** starting at 7.30pm for 8.00pm. Visitors always welcome.

Date	Topic
May 15 th	"Transmitter Audio" by Terry (G4CHD)
June 3 rd	Annual Bideford Fair - Special Event
June 19 th	Bring & Buy
July 17 th	Talk - Topic & Speaker TBA
August 21 st	Natter Night/Operating Night
September 18 th	First to Buzzer Quiz by John (G3JKL)
Sept 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

For further information, please contact the Secretary, John (G3JKL) - see panel above for contact details.

REPORT ON OUR APRIL OPEN MEETING

Battle of Northam by Nick Arnold

There was a good attendance for this our annual non radio Open Meeting and it was very pleasing to see several family members present. Nick's talk described a momentous battle here in Northam which changed the course of our Nation's history and was the bloodiest battle after Hastings.



Nick's immense enthusiasm for this subject was very evident and infectious. Everyone present enjoyed a most entertaining and informative evening. Our most grateful thanks to Nick for all his hard work in researching and producing such a detailed and enjoyable talk.

LEN (M0SXY) BELATEDLY PRESENTED WITH THE JIM McFEE CUP



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 Elevesens 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)

AMATEUR RADIO EQUIPMENT FOR SALE

Yaesu FT-897 with user manual, power lead and hand microphone (Boxed) £500 ovno
Yaesu FT-8 Speaker (Boxed) £105 ovno
Yaesu M200 Base Microphone (not Boxed) £140 ovno
LDG Z11 Pro2 ATU boxed with leads. (Boxed) £150 ovno
EP-925 Linear PSU (not Boxed) £60
Welz Power/SWR Meter - CH20A (not Boxed) £25 ovno
MFJ Meter Model 207 (not Boxed) £60 ovno
Watson Hunter (not Boxed) £35 ovno
Diamond Duplexor MX62M (Bagged) £40 ovno

All in very good clean condition from non smoker shack
For more info - contact **Mike G3PGA - 01271 631365**

GB3DN UPDATE

Many thanks to Rob (GØHFN) for the latest information on GB3DN which is at the end of this Newsletter.

So that's it for this month - best 73s Terry G4CHD

GB3DN
GB3ND *digital*

Update May 2023





FOR THE USERS OF GB3DN

A few of the problems have been rectified over the last couple of months. Tony has refurbished the cavity filters which had gone off tune due to component failure, all have been refitted and retuned to optimum performance.

During the bank holiday week end a rebuilt Tait 800 receiver was installed and tuned as necessary with 2.5kc of deviation on the input, the transmitter was already initially set to 2.5kc deviation.

New Tait power supply unit.

New Tait T800 transmitter exciter.

New Tait T800 TX.

New Tait T800 receiver.

New logic unit.

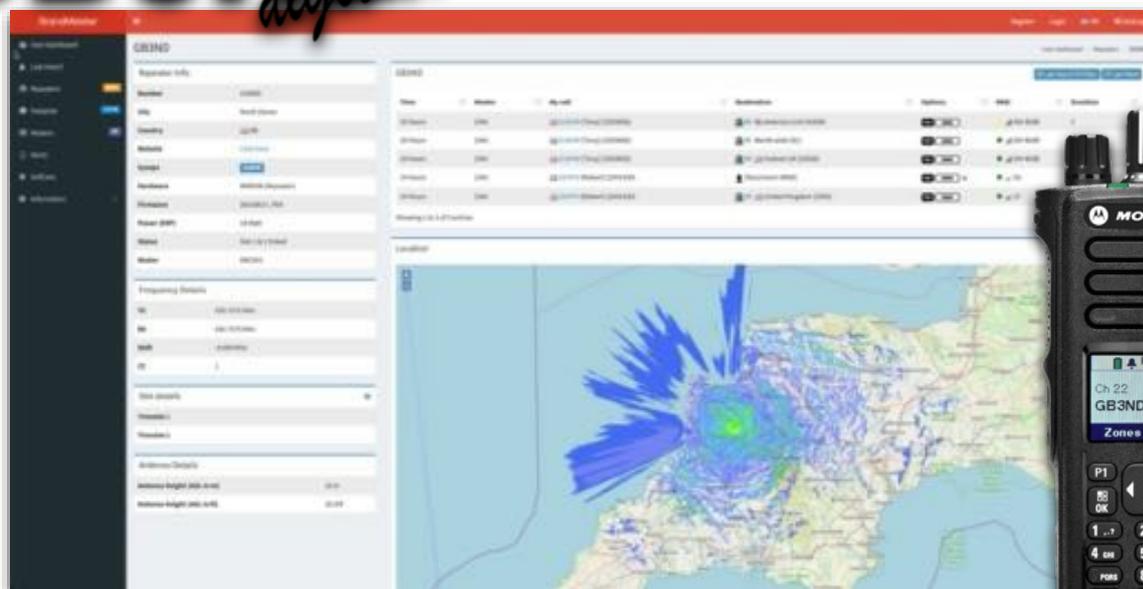
6 cavities refurbished and retuned, now providing 110dB+ of isolation.

The new receiver was installed with the narrow deviation as we suspect there could be interference from new commercial equipment which had been installed on the site by the phone companies, we are hoping the narrow deviation will address some of the noise issues.

At this time the repeater remains as a normal analogue repeater. Some will have noticed on the last renewal of the NOV for GB3DN Fusion has been added to the licence. In the future we hope to add digital coverage to the repeater at which time we will inform you with the main addition as said being Fusion.

73 Don GØRQL

GB3ND *digital*



GB3ND DMR dashboard: <https://tinyurl.com/GB3ND> *cut and paste*

At the time of publication GB3ND the UHF digital repeater is still on test. If you are in the Holsworthy area it would probably be a good time to test your own radio settings particularly if you have built your own DMR codeplug.

TX: 430.7375Mhz **RX:** 439.7375Mhz colour code 1

Because we don't have a great number of digital repeaters in this area it is suggested you dedicate a complete ZONE to GB3ND and name it accordingly. You may then create a channel for each talk group and add that to the ZONE. By doing it this way you can swap between talk groups just by using the channel knob. Because GB3ND is a multimode repeater it would be courteous to users of other modes (other than DMR) to set TX Admit to Channel Free.

GB3ND is testing on the Brandmeister DMR network at the moment. (It is hoped that in the future it will join the SW DMR cluster.) There are currently 1644 worldwide Brandmeister talkgroups. The ones below are good start.

TG9 Local working (normal RF<>RF repeater)

TG4000 Disconnect

TG2350 UK wide calling

TG234997 UK Parrot

TG2351, 2352, 2353 Chat 1/2/3 QSY from calling channel.

TG 2359 Cornwall

TG23500 Southwest

Those accessing GB3ND using **Yaesu System Fusion** get a somewhat easier ride. Provided you've managed to program the correct frequency and offset into your radio you are, more or less, good to go. The default YSF room on GB3ND is Southern Fusion.

Dashboard: <https://tinyurl.com/SouthernFusion>



Dear Friends

I thought it best to write to you on a personal level. Let me introduce myself. My name is Rob GØHFN. I am the publicity bod for the Holsworthy Amateur Radio Club.

Hopefully you will have just read the update about your local VHF repeater GB3DN and it's younger sibling, the new UHF digital voice repeater, GB3ND.

So by now you will be aware that DN has had a major overhaul with most major components, being replaced, repaired or updated. The repeater is situated on a commercial site shared with multiple PMR users. In spite of the work carried out the repeater still suffers at times from bouts of noise. It is believed this may be due to strong signals from the co-sited PMR. Tony G1BHM is still working hard to alleviate the problem but this has meant work on the digital repeater has been delayed. The eagle eyed amongst you will have also noticed that GB3DN is now licensed for Fusion. Please note however, that at present access is FM only.

GB3DN's the new UHF sibling, GB3ND is now on test using a temporary aerial. Computer predicted plots suggest it will eventually have a similar coverage to that of DN once fully operational. As you know DN's coverage is excellent. Currently Yaesu System Fusion access defaults to the Southern Fusion room in line with many repeaters and gateways across the southwest and DMR connects to the Brandmeister network.

It is hoped that GB3ND will eventually join the SW DMR cluster, a group of 14 repeaters across the southwest. At the time of writing discussions were ongoing and there are a few technical issues that need to be resolved. If successful this would allow local working on TG9 slot 1 or via the SW cluster repeaters on TG950 slot 2. It would also be possible to use the DMR roaming facility when mobile.

For those interested here is a map of the cluster: <https://tinyurl.com/SWcluster> *(cut and paste)*

With ambitious and exciting projects like this costs can quickly mount up and as you will be well aware the cost of the electricity to power these repeaters has rocketed. As a community we have a roll to play if we wish this project to succeed, that is why I am appealing to you personally for your support.

Please consider making a donation and in return I promise to keep you updated on the progress. There is currently no formal support group but maybe that is something to consider in the future. I welcome your suggestions. My details are correct on QRZ.com.

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.

Thank you for your support

73 de Rob GØHFN

