



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	Email:
Chairman	Mike Hammond	G3PGA	Email:
Vice Chairman	John Lovell	G3JKL	Email:
Secretary	Alan Fisher	M6CCH 01237 422833	Email: fisheralan@gmail.com
Treasurer	Mike Wogden	G4KXQ	Email:
Committee	Graham Bailey	G1ZTJ	Email:
	Dave Cottle	G4XWQ	Email:
	Steve Smith	G6SQX	Email:
QSL Manager	John Lovell	G3JKL	Email:
Web Master	John Lovell	G3JKL	Email:
Exam Secretary	John Lovell	G3JKL	Email:
Editor	Terry Adams	G4CHD	Email:

September, 2015

EDITORIAL

Welcome to another Club 5&9 Newsletter.

This month's Meeting is an annual favourite - namely our annual **Bring & Buy**. So dig out any unwanted gear and bring it along or otherwise just bring your money and grab a bargain!!

May I also at the expense of repeating myself - (not unusual these days!) - remind members again that our

October meeting is open to family and friends of members and will be a talk on the "**History of Bideford**"

by our local history expert **Peter Christie**. This will be a wonderful evening's entertainment and should be a fascinating insight into our wonderful town. So please try to **bring someone along on the night** and make the evening a great success.



Below you will see advance warning for next month of our very own local **Radio Rally at Holsworthy** - a date to put in the diary and well worth giving our full support. So, enjoy the Newsletter

Terry (G4CHD)

FORTHCOMING LOCAL RADIO RALLY

18 OCTOBER

HOLSWORTHY AMATEUR RADIO RALLY - Holsworthy Community College, Victoria Hill, Holsworthy EX22 6JD.

Register at <http://harc.postalboard.com/login> to make any enquiries. [www.radioclubs.net/harc/].



CLUB MEETINGS

Meetings are held at the Appledore Football Social Club starting at 7.30pm for 8.00pm. Visitors always welcome. For further information, contact Alan (M6CCH) - details in the top panel.

September 21st "Bring & Buy"

October 19th **Open Meeting** - "History of Bideford" by Peter Christie

November 16th "MX0LDG Operations from Lundy" by John (G3JKL)

December 14th "Club Christmas Party" (open meeting)

January 18th "Radio Quiz" by John (G3JKL)

February 15th "Whistles to Radios - Police Communications" by Alan (M6CCH)

March 21st "Club AGM"

April 18th "QSLing - Traditional to the latest methods of confirming a QSO" by John (G3JKL)

TRIO TS-130V SSB TRANSCEIVER

Sorry folks - needed to fill a gap with more nostalgia!

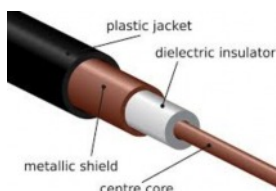


REPORT ON THE AUGUST MEETING

Back to Basics - Coax Losses Their Measurement & Effects by Terry (G4CHD)

There was a surprisingly good attendance for yet another talk in the Back to Basics series proving what gluttons for punishment members are !!

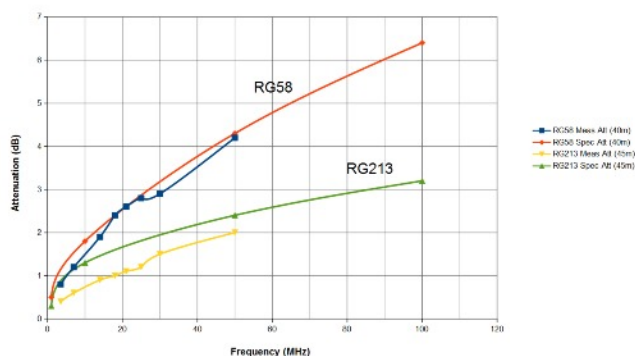
The talk initially explained how open wire feeder is ideal for long feeder runs due to its very low losses but is greatly effected by nearby objects - hence the customary use of coaxial cable. After a brief description of its construction and resultant losses, typical specified loss figures were quoted for RG58 and RG213 which are both used at Terry's QTH. The results were also given graphically to show how the losses increased with frequency.



After explaining Decibel units, Terry described how he attempted to measure the losses at HF using a conventional SWR/Power Meter borrowed from Laurence. The results were plotted graphically

together with the quoted Specification values.

Attenuation v Frequency Plot
40m RG58 & 45m RG213 Coax Cables



The concept of SWR was then introduced and how it adversely affected losses particularly for SWR values in excess of approx 3. It was then explained how as a consequence of these increased losses, SWR measurements at the transmitter end of the feeder would be lower than at the antenna end giving the operator a false indication of any antenna mismatch!

Finally, a basic method involving the measurement of SWR at the transmitter end of a shorted or open circuited cable was described as a useful way of keeping a check on cable losses. Several suggested improvements to the method were discussed.

There were a number of interesting questions at the end of the talk which hopefully indicated that all present found the talk interesting and enjoyable. Notes on the talk can be found on the Club's website.

Terry (G4CHD)

LOCAL SKEDS

Zepp Net: Mon, Tues, Thurs : 145.450 MHz 4pm
Wed via **GB3DN** - 4pm

6m Net: Wednesday, 8pm, **51.480 MHz FM**

HF Net: Friday at 3pm **7.145 MHz \pm qrm**

Slow Morse: Run by **Dave (G3YGJ)** every
Tuesday and Thursday, 7pm clock time
on **145.250 mode FM**.

70cm Net: **Sunday, via GB3ND, 11am - noon**
local time.
Available on Echolink node 221334

LOCAL REPEATERS

70cm Handy Cross Repeater/Echolink (#221334) Gateway (GB3ND)

User: Listen 433.35MHz– Transmit 434.95MHz
Access 1750Hz Tone (Timeout 4.25 mins)/ 77Hz CTCSS
Repeater keeper is Jeff (G4SOF)

2m Stibb Cross Repeater (GB3DN)

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

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

Yahoo users group for general chat and banter at :-
<http://groups.yahoo.com/group/GB3DN/>

SUDOKU PUZZLE

The aim is to enter a number into each cell so that **any column, or any row, or any block of cells contains all numbers from 1 to 9.**

3				7	5	9	
	6		5	4			
5				8		7	
7				2			
8	4					9	1
					5	8	
2					9	4	
			4		8		9
4		3		7		6	

Terry (G4CHD)

CROSSWORD

This month's Crossword is by Stuart (M1FWD).

The answers will be published in next month's Newsletter. Good luck !

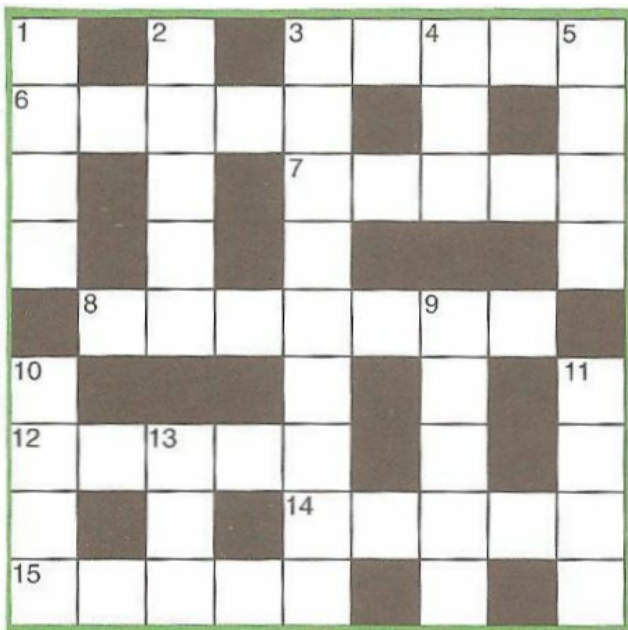


Clues Across

- 3) In physics, the rate of energy output (5)
- 6) The track or scent of an animal (5)
- 7) A sheath is the ? Covering of an electric cable (5)
- 8) Hotel Four islands (7)
- 12) Town in Penobscot County, Maine, USA (5)
- 14) Five Alpha land (5)
- 15) An amount equal to twelve dozen (5)

Clues Down

- 1) Capital city of Lima Alpha land (4)
- 2) Capital city of Juliet Alpha land (5)
- 3) Sets of rules governing the exchange or transmission of data electronically between devices (9)
- 4) ? Tyler, a leader of the 1381 Peasants' Revolt in England (3)
- 5) Uncommon, unusual (4)
- 9) Town five miles south east of Leicester, location of Leicester Racecourse (5)
- 10) A radio wave of frequency less than 300 kHz (4)
- 11) Emit or direct light, radio waves, etc. (4)
- 13) 1036-1097. Bishop of Bayeux, half-brother of William the Conqueror (3)



Last month's answers :-

Across 1) echo 3) Eden 7) Ivory 8) cob 9) interface
12) dab 13) oboes 14) apse 15) bush

Down 2) coven 4) Dacia 5) noble 6) Cypriot 9) India
10) tubes 11) chess

Stuart (M1FWD)

RESPONSE FROM BRAZIL TO THE EDDYSTONE EC10 PICTURE IN THE AUGUST 5&9

I was delighted to get the following emails from Don (PY5ZBU) after the appearance in the August 5&9 of the Eddystone EC10 Receiver.



Take a look on QRZ.COM at PY5ZBU and you will see an Eddystone EC10 Mk 2 just like the one shown on the August 5&9 Newsletter which is still in active service on top band in Brazil, I used it back in 1963 from my G3MWM station in Bideford at 88 Clifton St

East of the Water.



The picture above is in the shack. If you go to qrz.com on the internet and key in my call sign, you will see the shack and antennas etc



I live on my own farm in BALSA NOVA 50km south of CURITIBA and my farm is on top of a high plateau at 3800ft asl being great for ham radio activities with zero radio noise level.

My EME dish is 24ft in diameter with full automatic moon and planet tracking with 1000w of output power on 1296MHz and 1000w of output power on 432MHz by cavity



amplifiers. At this high elevation I can see the moon rising and setting at negative angles!!!

All 3 COLLINS 30S-1 amplifiers are connected and in full operation as needed. For HF I use the KLM KT34XA long yagi, and a 7 element wide spaced KLM yagi for 6m band (203 countries confirmed on 6m).

Best 73s de Don PY5ZBU

MORE PICS FROM MEMORY LANE

Anyone remember this Codar CR70 receiver? The days of valves and bulky transformers !!! Often used as a tunable IF on 10m to tune 144-146 MHz.



FOR SALE

Having a bit of a clear out here and so have 2 QRP (15W max) Mag Loop aerials for sale - the ML20 for 20m and the ML40 for 40m (for details - contact me for a Rad Comm Review article).

Asking price £35 for each or £50 for both with a suitable lead thrown in.

Best 73s de Terry G4CHD



So that's it for this month - I hope everyone enjoys the read

Best 73s de Terry (G4CHD)