



# 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](http://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: <a href="mailto:fisheralan@gmail.com">fisheralan@gmail.com</a>
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:

February, 2016

## EDITORIAL

Welcome to another issue of the 5&9.

Our February Meeting is on the 15<sup>th</sup> and promises to be another 'not to be missed' evening!

Alan (M6CCH), our Secretary is giving a talk on "Whistles to Radios - Police Communications" which I know will be a fascinating insight into the subject and well worth attending.



I hope nobody has suffered too much from the recent storms - we lost 2 fence panels!- and that radio aerials are still intact. Hopefully this is just a blip in the

weather pattern and not a taste of the future.

May I once again finally take this opportunity to thank those of you who have written articles to be published in the 5&9 but there is always a need for more so please keep them coming.

Terry (G4CHD)



## CLUB MEETINGS

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

- 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)

For further information, contact the Secretary, Alan (M6CCH) - details in the top panel.

## 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 ± 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

**HELP WANTED FOR  
THE BRITISH WIRELESS FOR THE BLIND**  
<http://www.blind.org.uk/>

Mike (G3PGA) had a call from Brian (G0RVS) who was advised that in the ND Journal 'The British Wireless for the Blind' are looking for a volunteer in North Devon to visit and install radios into peoples homes. Anyone interested should call David on 07540 724064 or email at [david@blind.org.uk](mailto:david@blind.org.uk)

## REPORT ON THE JANUARY MEETING

### Radio Quiz by John (G3JKL)



After a cuppa and a chat, everyone formed themselves into teams of about four or five. John had obviously put a lot of effort into producing questions on amateur radio which were a mix of the sort of obvious to the embarrassingly 'I should know that'! Perhaps the most awkward silence came when the question was asked for John's call sign on his recent trip to Lundy !! Lots of head scratching occurred on the night and lots of cheers and moans as the answers were read out. Despite realising that the memory isn't quite as acute as it used to be, everyone enjoyed the evening which was lots of fun.

Many many thanks John for all your hard work in preparing the quiz and trying to make the questions not too difficult!

Terry (G4CHD)

### SUDOKU PUZZLE

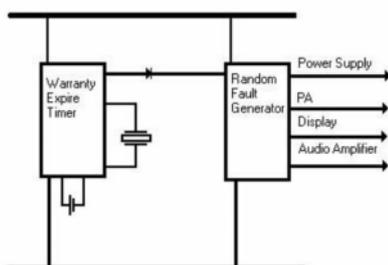
The aim is to enter a number into each cell so that **any column, or any row, or any block of cells contains all numbers from 1 to 9.**

Terry (G4CHD)

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

### HUMOUR

The circuit opposite has been found in some 'cheaper' Amateur Radio equipment!!



## CROSSWORD



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

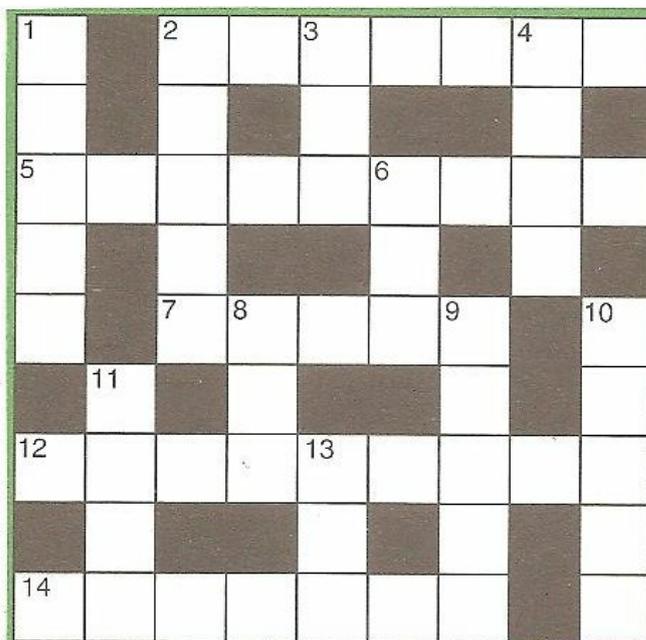
The answers will be published in next month's Newsletter. Good luck !

### Clues Across

- Person who engages in a pursuit as a pastime rather than a profession (7)
- An artificial body placed in orbit round the earth or another planet (9)
- A testing ground for military equipment (5)
- Electronic device for increasing the strength of electrical signals (9)
- Yankee Oscar land (7)

### Clues Down

- Aerial supports (5)
- Change (5)
- The whole amount, quantity or extent of (3)
- Archaic form of 'to' (4)
- Can describe one of the branches of a dipole (3)
- Small tool for piercing holes (3)
- Musical about a political leader in Lima Uniform 1 and (5)
- A Sierra Victor island (5)
- Colloquial abbreviation for 'ammunition' (4)
- Historically, a house providing accommodation, especially for travellers (3)



### Last month's answers :-

**Across** 1) pi 2) Astra 7) rally 8) amp 9) okra 10) Bari  
12) iso 13) inlet 14) islet 15) Ur

**Down** 1) periodic 3) Skye 4) readable 5) Glorious  
6) Sprinter 11) Niue

## 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/>

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## **BUILD A 40m QRP TRANSCEIVER FOR £4 !**

While Googling away I came across the following which may tempt some members -

The web site was <http://www.hamgoodies.co.uk/40m-pixie> and offers a crystal controlled 1W CW QRP Transceiver Kit for 40m for £4! Not sure if still available at this price but there are other outlets eg ebay as given below.

The 40m Pixie is about as simple as a CW transceiver gets: 1-watt crystal-controlled with a basic "key" input and minimal components. We supply our own build instructions with this kit (others don't), so this kit is suitable for even the beginner - You will need an Amateur Radio licence to transmit with it. Once built, it has a fixed transmit frequency of 7.023MHz but you can also purchase additional crystals.



Kit supplied with 7.023MHz crystal

BNC aerial connector

Straight Key input

800mW to 1-watt 9-12v DC

LM386 audio amp with connector for headphones or small 8-ohm speaker - alter CP2 (10uF) between pins 1+8 to reduce gain

**Additional crystals** can be ordered :- 7.010MHz (+£1.00)

7.030MHz (+£1.00)

Yes, it's really just £4 - and a great excuse to melt some solder and improve your Morse skills... We built one and ours reached the Dutch WebSDR at Twente from our Essex base on a resonant dipole.

An american video of this kit in use can be found at :-

[http://www.southgatearc.org/news/2015/january/40\\_meter\\_qrp\\_cw\\_pixie\\_kit.htm#.VrtFrVKnwkJ](http://www.southgatearc.org/news/2015/january/40_meter_qrp_cw_pixie_kit.htm#.VrtFrVKnwkJ)

A suggested alternative source on ebay is :-

<http://www.ebay.co.uk/itm/QRP-Pixie-CW-DIY-Kit-a-simple-40-meter-band-radio-transceiver-7-023-MHZ-/291125426421>

Obviously you perhaps get what you pay for and it probably isn't too hot on image rejection etc but perhaps a bit of fun?!

If you need a bit more power, try :-

## **DIY CW Short Wave Ham Radio Transceiver Kit for Radio Amateur 8W FV8L**

This 7.023Mhz 40m CW 8W transceiver kit is available from

[http://www.ebay.co.uk/itm/DIY-CW-Short-Wave-Ham-Radio-Telegraph-Transceiver-Kit-for-Radio-Amateur-8W-FV8L/321913909421?rt=nc&\\_soffid=5013043303&\\_soffType=OrderSubTotalOffer&\\_trksid=p5731.m3795](http://www.ebay.co.uk/itm/DIY-CW-Short-Wave-Ham-Radio-Telegraph-Transceiver-Kit-for-Radio-Amateur-8W-FV8L/321913909421?rt=nc&_soffid=5013043303&_soffType=OrderSubTotalOffer&_trksid=p5731.m3795)

and is advertised at just over £10!

Food for thought - please let me have any thoughts good or bad on such as these.

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

Terry (G4CHD)