



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	John Jeffers	G0UNB	
Chairman	Terry Adams	G4CHD	
Vice Chairman	Dave Lawrence	G0PGK	
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Treasurer	Laurence Soutter	G4XHK	
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	John Lovell	G3JKL	
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Web Master	John Lovell	G3JKL	
Editor	Terry Adams	G4CHD	

November, 2013

EDITORIAL

Welcome to another Newsletter.

This **month's Meeting** is another in the **Back to Basics series** to be given by myself providing I have shaken off the awful cold I have had of late!!

You should all have now received details of the **informal Xmas Lunch** to be held on Thursday, December 5th at The Northgate, South Molton organised by the Tuesday coffee morning Group and am pleased to report that a booking for 25 has now been made. Please note that the usual Club Xmas Party will of course still be held as advertised on December 16th.

It was our local **Holsworthy Radio Rally** on Sunday, November 3rd and although I couldn't get to visit through illness, I understand quite a few members visited the Rally. There was a very well stocked RSGB bookstall and a good variety of traders' stands. It is our only local Rally and hence important that it is well supported by the local amateur fraternity.

As stated earlier, the **Club Christmas Party** will be as advertised on Monday, **December 16th** and will follow a very similar format to previous years but hopefully even better - ie free entry with food, raffle and quiz. Of course, any kind donations for raffle prizes to add to those provided from Club funds will be most welcome and much appreciated. So make a note in the diary and see you all there.

Enjoy your Newsletter

Terry (G4CHD)



CLUB MEETINGS

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

November 18th	Back to Basics : The Superhet by Terry (G4CHD)
December 16th	Club Christmas Party
January 20th	Audio Recording - Practical Demo by Laurence (G4XHK) & John (G3JKL)
February 17th	Radio Quiz by John (G3JKL)
March 17th	Club AGM
April 21st	'Plan B' by Steve (G6SQX)

For further information, contact Alan (M6CCH)

FREE OPEN UNIVERSITY COURSES

I have the material for three complete Open University courses free to a good home. All course books and software as new.

The courses are:

Object-oriented programming with Java.
Putting computer systems to work with C++
Designing applications with Visual Basic

If you are interested, please contact John (M0AWI) at john.m0awi@icloud.com

REPORT ON THE OCTOBER MEETING

Mountains & Canyons of SW USA by John (G3JKL) **Open Meeting**

It was very pleasing to see a few visitors for our annual Open Meeting which I hope will continue in the future if sufficiently supported.

The evening was a most enjoyable one with some breath taking photos and interesting commentary by John on his travels amongst the Mountains and Canyons of SW USA. Indeed, some of the photos left you holding on tight to your seat as John explored some of the magnificent scenery in this area, especially the mountain paths with vertical drops on one side !



Many thanks to Dave (M0JAP) for providing the projection facilities which ensured that a good view was had by all. Many thanks John for a most entertaining and informative talk which was all the better for the large amount of planning that went on beforehand.

Terry (G4CHD)

LOCAL SKEDS

Zepp Net: Mon, Tues, Thurs : 145.450 MHz
Wed : via GB3DN 1600 local time

6m Net: Wednesday, 8pm, 51.5MHz FM

HF Net: Friday at 1500 local time
7.145 MHz ± qrm
THIS NET HAS NOW RESUMED

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

70cm Net: Sunday, via GB3ND, 1100 - 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/>

CROSSWORD

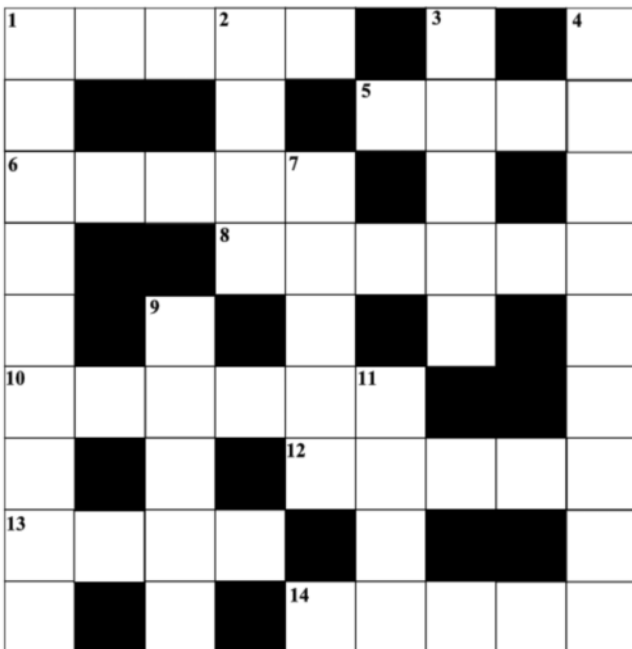
This month's Crossword by Stuart (M1FWD).
The answers will be published in the next month's Newsletter. Good luck !

Clues Across

- 1) Echo Alpha land (5)
- 5) A 'Great' geographical feature in Llandudno, North Wales (4)
- 6) Constellation of the Ram (5)
- 8) In physics, this describes an isotope not subject to radioactive decay (6)
- 10) Term for sequential, straight-line power changes, as in an amplifier (6)
- 12) '? Frutti', Little Richard's first major hit record in (1955) (5)
- 13) Regular group gatherings on air (4)
- 14) Tango Romeo land (5)

Clues Down

- 1) Three Delta Alpha location (9)
- 2) In the ancient Roman calendar, the 15th day of March, May, July and October (4)
- 3) Papa Four land (5)
- 4) Signals heard can be resolved more easily when the quality of this is good (9)
- 7) *Mustela erminea*, a member of the weasel family (5)
- 9) Devices with a specified function forming part of a complex mechanism (5)
- 11) Holiday Park, Croyde, North Devon (4)



Last month's answers :-

Across 1) meter 2) spy 5) day 6) motor 8) spur 10) Eden
12) Japan 13) erg 14) Leo 15) upper

Down 1) modes 3) probe 4) lower 7) array 9) plate
11) Niger

Stuart (M1FWD)

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**. This month's puzzle is categorised as **Advanced** difficulty.

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

Terry (G4CHD)

WEIRD HYPOTHESIS !!!
ULTIMATE DX OR WHAT ???

I came across the following website :-
<http://www.hamradioforum.net/threads/2943-A-very-old-puzzle-indeed>

and the following article. Thought I'd include it in this month's Newsletter for a bit of fun!

It involves the Great pyramid at Giza, The Ark of the covenant, Similar pyramid sites around the world, some recorded history and myth..... and it's a theory linked to Radio !

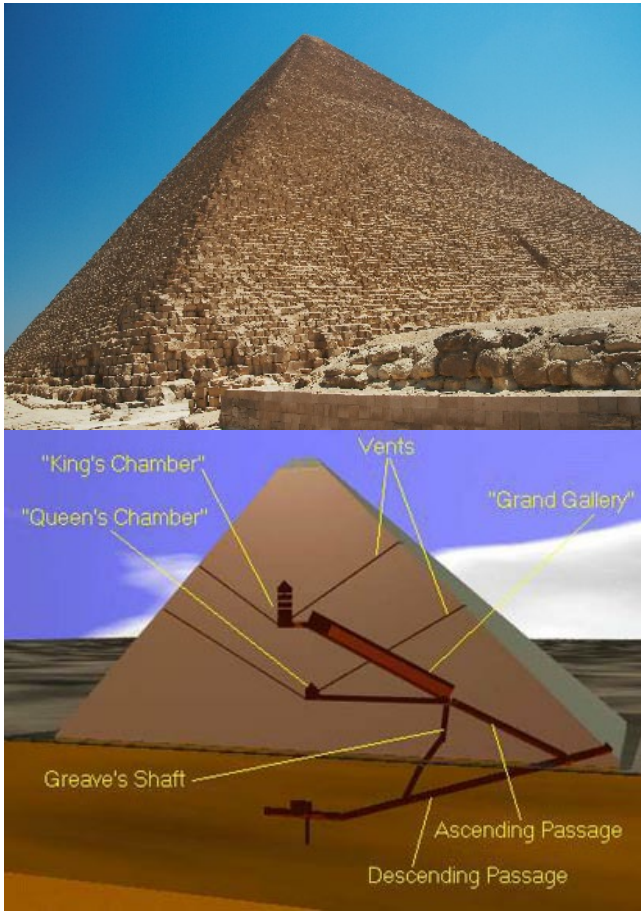


First to link two of them together;-

The Ark of the covenant was said to have been taken from Egypt by Moses. Moses was first let go no problem, but when the Pharaoh heard he'd taken the Ark with him - he

went after him. The precise dimensions and construction of the box the ark was in are given.

Inside the Great Pyramid, in the Kings chamber, there is a granite box - with exactly the same internal dimensions. It is therefore possible to imagine that this thing was not created by the Egyptians - but found by them within the great pyramid.



A note on the age of the Great Pyramid:-

None of the Egyptian texts ever say that they built this one. All the others are richly decorated inside and out, but not one single inscription is on the great pyramid - save for a scrawled inscription in the hidden upper roof area 'discovered' by a researcher who was desperate to prove it was built by Khufu. The inscription read - "this was built for Khufu" - and they even spelt his name wrong. The same team carved their own hieroglyphics on the outside of the entrance - until that time there was no inscriptions anywhere.

Discovering electrostatics -

One researcher, after climbing to the top of the pyramid, celebrated by a servant pouring a glass of wine for him. Upon handing it over - an electric spark jolted the pair. To repeat the test, the bottle was wrapped in a wet cloth to form a primitive leyden jar - and sparks were seen from the mouth of the bottle.

The missing capstone -

It is called the golden pyramid - for no obvious reason, but the Egyptians had a habit of erecting pillars outside their temples - made of granite, but on the very tips, they fashioned metal caps made from a gold alloy called "Electrum"

Why would they adorn all the pillars (which incidentally

have a pyramid shape at the top) - with a little gold pyramid - yet leave the biggest monument in the world without a cap?

It is therefore a reasonable assumption that this too had a gold structure on the top.

- So now we have a gold tipped device that accumulates electrostatic potential.....interested yet ?

If you look at a plan of the great Pyramid, you will see two very small "airshafts" exiting perpendicular to the outside faces on the north and south faces - and meeting in a central room - the kings chamber.

It was only after learning a bit about radio, that I came upon the inverted dipole antenna - and the quad antenna.

Looking at the plan of the pyramid again, it begins to look like a substantial transmitter of either the inverted dipole or quad design !

.... But you need more than a supply and an aerial to be a transmitter...

You need a serious ground plane...

At the base of the great Pyramid - is a well shaft. Nobody knows why it is there - it's just a shaft down to porous sandstone and the water table. -This would function as our ground plane I think.

.. You need to be able to store the charge.

This is where I think the Ark of the covenant comes in - because it is described as having "a series of ten plates arranged inside an insulating box - with two gold cherubs on the lid" If each plate was as described - 6 hands by 7 hands - that's approximately 2ft square.

At the moment, I am thinking of the ark as either a capacitor, a battery- or the radio itself (with large circuit boards arranged neatly in a frame)

Has anyone even made the connection between the names used here - Ark and Electrum?

One last thing to ponder - Moses was said to have studied a lot in Egypt - and that he studied "Resonance"..... He was also known to "cause the waves to stand up upon one another" - with the help of the Ark. Maybe he was the very first radio ham ?

Make of that what you will.

I'm sure there will be many varied responses to this article, but hope none the less that it causes some amusement!

Terry (G4CHD)

JOHN'S WEBSITE - WORTH A VISIT

If like me you are interested in history, then John's (G0UNB) website is well worth a visit at :-

www.jeffinterest.co.uk

So that's it for this month.

Enjoy the read

If any member has an article that they feel would be of interest to Club members, please send it in to me and it will make your Club Newsletter all the more interesting.

Terry (G4CHD)