



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	John Lovell	G3JKL	
Vice Chairman	Steve Smith	G6SQX	
Secretary	Alan Fisher	M6CCH	01237 422833 Email: fisheralan@gmail.com
Treasurer	Mike Wogden	G4KXQ	
Committee	Graham Bailey	G1ZTJ	
	Dave Cottle	G4XWQ	
	Ray Hunter	M0TLO	
	Keith Luxton	G0AYM	
QSL Manager	John Lovell	G3JKL	
Web Master	John Lovell	G3JKL	
Exam Secretary	John Lovell	G3JKL	
Editor	Terry Adams	G4CHD	

August, 2016

EDITORIAL

This month's Meeting on **August 15th** is our **Open Meeting** to which family and friends are cordially invited. This year the talk by Peter Smith should prove to be a fascinating mixture of humour and anecdotes from Peter's varied life as a freelance orchestral trombone player. So come along, bring family or friends, and have a most enjoyable evening.
Enjoy the Newsletter



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

August 15th	Open Meeting - 'A Life on the Slide' by Peter Smith, a freelance orchestral trombone player
September 19th	Programme Your Baofeng Radio' - Mike (G4KXQ)
October 17th	Flex 9300 Demo'. - John (G3JKL)
November 21st	Bring and Buy Night'
December	Club Christmas Party. Date to be confirmed
January 16th	Club Quiz Night' John (G3JKL)
February 20th	Memory Lane' TBC
March 20th	Club AGM
April 10th	TBA

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

CONGRATULATIONS TO CHRIS (2E0AJX)

Congratulations to Chris Overson, who passed both his Foundation and Intermediate amateur radio exams with flying colours on the same day in July. He now has the call sign 2E0AJX and we hope to hear him over the air soon. Invigilators for the exam were Beryl Howard (G1SVP) and John (G3JKL). Well done Chris!



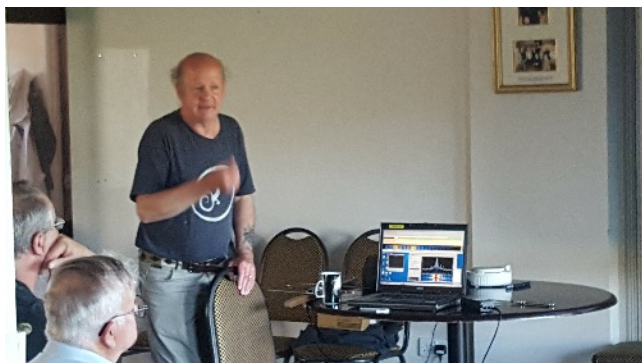
REPORT ON THE JULY MEETING

RADIO ACTIVITY NIGHT by Steve (G6SQX)

The main event of July's Club meeting was a fascinating talk by Bill Harvey from the Caen school in Braunton. Bill gave us an entertaining account of their successful High Altitude balloon launch back in June, (See Steve Smith's article in the last edition of the 5&9) followed by a video slideshow set to music of the preparation, launch and its subsequent retrieval.



Steve Smith was on hand to explain how the balloon tracking was achieved, along with a demo setup on his laptop. The talk was rounded off with a Q&A session at the end.



The evening's theme was "Radio Activity night" and in the spirit of this Chris (G0FJY) brought along his Clansman collection for all to see.

John (G3JKL)

ITEMS FOR SALE

The following items are for sale :-

Icom IC 80D Dstar hand held transceiver

3 x 12 foot x 2 inch Alloy poles

2 pairs x 18" stand - off bracket & clamps

1 pair x 12" stand - off bracket & clamps

G5RV wire antenna

For further details, contact Steve (G6SQX)



CROSSWORD

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

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

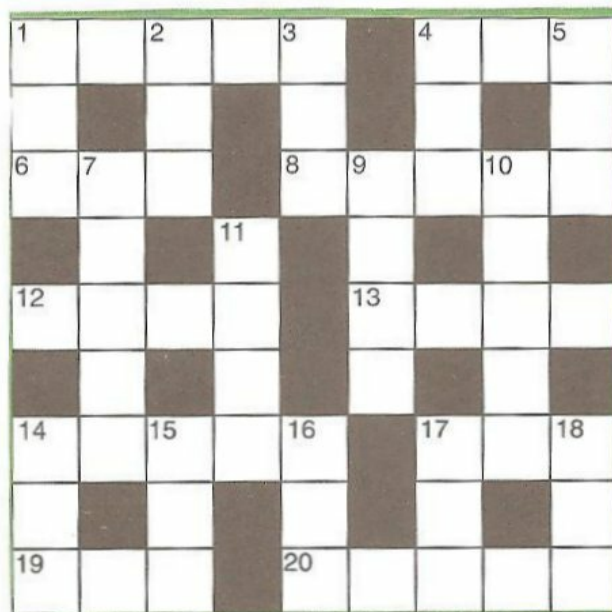


Clues Across

- 1) Nine Golf (9G) land (5)
- 4) The annual Muslim pilgrimage to a city in Hotel Zulu (HZ) land (3)
- 6) A luminous discharge between two electrodes (3).
- 8) Charlie Yankee Zero (CY0) island (5)
- 12) Capital city of Lima Alpha (LA) land (4)
- 13) A rare precious corundum stone (4)
- 14) Ski resort in Colorado, USA (5)
- 17) Cereal plant, Avena Sativa (3)
- 19) A garland of flowers in Kilo Hotel Six (KH6) islands (3)
- 20) Tango Yankee (TY) land (5)

Clues Down

- 1) State in western Victor Uniform (VU) land (3)
- 2) Initials for a closed-loop feedback regulating circuit providing a controlled signal amplitude at the output of a radio receiver (1.1.1)
- 3) Long-eared mammal of the genus Equus (3)
- 4) A network hardware device used to connect multiple Ethernet devices (3)
- 5) ? Davis, winner of the World Snooker Championships fifteen times between 1927 and 1946 (3)
- 7) Oxidizes (5)
- 9) 4840 square yards (4)
- 10) Five Alpha (5A) land (5)
- 11) An empty space in a solid body (4)
- 14) Small pointed tool for piercing holes in leather (3)
- 15) 23rd letter of the Greek alphabet (3)
- 16) The gist of a matter or story (3)
- 17) Legally possess (3)
- 18) Metallic element, symbol Sn (3)



See next page for last month's answers

Last month's answers :-

Across 3) Benin 6) coypu 7) lathe 8) estates 12) Sinai
14) apple 15) Injun

Down 1) echo 2) bytes 3) Bulgarian 4) nut 5) need
9) Egypt 10) Asti 11) open 13) NUI

ADVANCE NOTICE OF INTERESTING TALK AT THE HOLSWORTHY RADIO CLUB

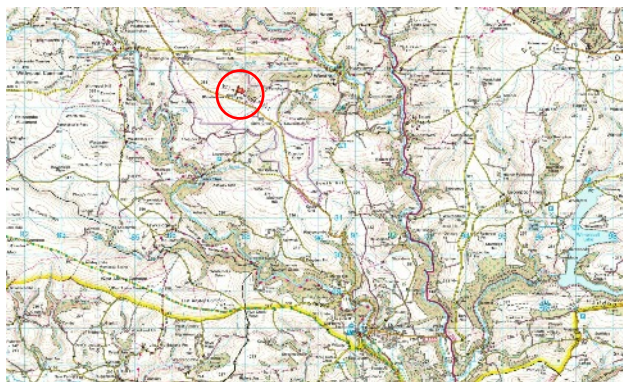
The Holsworthy Radio Club will be having a talk by Keith Holland on October 5th this year on the Mid Cornwall Beacon and Repeater Group (<http://www.gb3nc.org.uk/>) The talk will also include the update information on GB3NQ, the FSTV repeater which now has a 70cms input. We meet at the Holsworthy College - 7.30pm for 8pm start. Any Appledore members who are interested are welcome to attend and it will be free of charge with even a free tea or coffee thrown in.

Parking is in the same car park as used for the Rally with access across the iron bridge into the college. Meetings are held in the Flemming room.

Don (G0RQL)

PICNIC ON WINSFORD HILL, EXMOOR

We will be holding a "Picnic" at Winsford common near Dulverton on Sunday 14th August between 12.00 & 15.00hrs. This is to check out the site as a TX location for next year's Exmoor Youth Challenge. We shall be operating on the 145.500 and 433.500 FM calling channels so please come and join us and the ponies or give us a call.



Steve (G6SQX)

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.**

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

Terry (G4CHD)

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/>

Terry (G4CHD)

ADVANCE NOTICE OF CLUB PARTICIPATION IN RSGB FIELD DAY

The club will be taking part in this year's RSGB SSB field day on the weekend of the 3rd/4th of September. Lawrence and Viv have kindly offered the use of their field in Northam. We would like to get as many members as possible to join in to make this a successful event so we can still have a sociable weekend whatever the band conditions throw at us! Details of the event can be found here: <http://www.rsgbcc.org/hf/rules/2016/rssbfd.shtml> we will need your help setting up the station and marquee on Friday, and plenty of operators over the weekend to share the workload. Please put the date in your diary.

LEAP YEARS AND TIME IMPLICATIONS

Many thanks to Dave (M0JAP) for the following useful information :-

UTC TIME STEP

1. The International Earth Rotation and Reference Systems Service (IERS) has announced the introduction of a time step to occur at the end of **December, 2016**
2. Coordinated Universal Time (UTC) will be retarded by 1.0s so that the sequence of dates of the UTC markers will be: 2016 Dec 31 23h 59m 59s 2016 Dec 31 23h 59m 60s 2017 Jan 01 0h 0m 0s
3. The difference between UTC and International Atomic Time (TAI) is: from 2015 01 Jul, UTC to 2017 01 Jan, UTC: TAI-UTC= +36s from 2017 01 Jan, UTC until further notice: TAI-UTC= +37s
4. Information regarding current and predicted values of UT1-UTC is provided in IERS Bulletin A. 5. UTC and all time scales based on UTC will be affected by this adjustment.

However, GPS will not be adjusted physically. For GPS, the leap second correction contained within the UTC data of subframe 4, page 18 of the navigation message transmitted by satellites will change. Before the leap second GPS-UTC = +17s (i.e., GPS is ahead of UTC by seventeen seconds) After the leap second GPS-UTC = +18s (i.e., GPS will be ahead by eighteen seconds)

That's it for this month.

73s de Terry (G4CHD)