



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	

May, 2017

EDITORIAL

This month's Meeting on **May 15th** is the Club **Bring & Buy** which was cancelled earlier due to bad weather. So now is an opportunity to either de clutter or grab some bargains which is why this is such a popular event in the Club year.



As reported last month, your Committee met at our Vice Chairman Steve's (G6SQX) qth on April 13th and as a result we now have an exciting new programme of **events for this Club year** as shown opposite.

Finally if any member would like to write an article for our Newsletter then please contact me as such offers will always be most welcome and will add to members' enjoyment of the Newsletter.

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 7.134 MHz ± qrm
If conditions poor - 145.450 MHz

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

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.

May 15th	Club Bring and Buy
June 19th	Antenna Design/Demo with MMANA by Terry (G4CHD)
July 17th	Heritage Day Special Event Debriefing
Aug 21st	Natter Night
Sept 18th	Open Meeting - Speaker to be arranged
Oct 16th	Clansman Radio by Chris (G0FJY)
Nov 20th	Club Bring & Buy
Dec 11th	Club Christmas Party
Jan 15th	Memory Lane Evening - mini talks by members
Feb 19th	BITX40 - Homebrew Made Easy by Mike (G4KXQ)
March 19th	Club AGM
April 16th	Talk to be confirmed

LOCAL TOP BAND NET

At a recent coffee morning in Barnstaple, Dave (G4XWQ) gave me details of a top band net on Sunday mornings.

The net is on 1.860 MHz (LSB - 30W max) and starts at 09.30am and runs for about 45 minutes. There is usually a core of three or four participants, and reports would be most welcome.



REPORT ON THE APRIL MEETING

Advertised Quiz Night by John (G3JKL)

Unfortunately due to illness, John was not able to do the quiz night but forwarded the questions/answers etc to me to act as his stand in. However, the attendance was rather small and when asked by Steve the Vice Chairman what everyone wanted, the consensus of opinion was to keep it as a natter night.

I am pleased to report that John was soon back to full health and also that members present enjoyed a chance to catch up chatting to friends over a cuppa.

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).

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

Terry (G4CHD)

CROSSWORD

Many thanks to Stuart (M1FWD) for this month's Crossword.

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

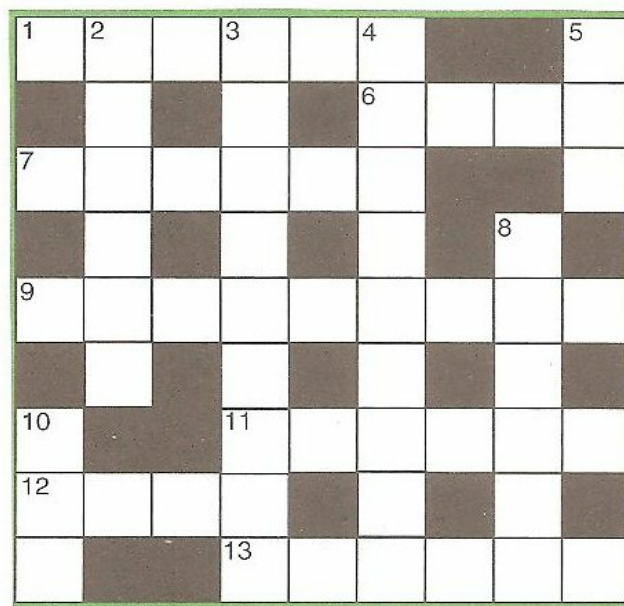


CLUES ACROSS

- Adjustable tool for gripping and turning (6)
- In folklore, a man-eating giant (4)
- An intense feeling of loathing and fear (6)
- A means or method of achieving one's purpose, especially 'skillfully' (9)
- A city in Five November (5N) land (6)
- A range of frequencies or wavelengths in a defined radio spectrum (4)
- Less difficult (6)

CLUES DOWN

- One of six thousand (6000) islands belonging to Sierra Victor (SV) land (6)
- It is said that moss grows prevalently on the ?? of trees (5,4)
- A tea company founded in Newport, Isle of Wight, in 1826 (9)
- Colour seen at the least-refracted end of the visible spectrum (3)
- Assistant to a parish priest (6)
- ? Wan Kenobi, legendary Star Wars Jedi Master (3)



Last month's answers :-

ANSWERS ACROSS: 1) conductor 6) daisy 7) dual
9) orbit 10) pint 12) Tonga 13) Marquesas

ANSWERS DOWN: 2) Oran 3) desert 4) trout 5) rifle
7) dipole 8) opium 9) Ongar 11) Agra

FORTHCOMING LOCAL RADIO RALLIES

A couple of dates for your diary :-

25 JUNE 2017

WEST OF ENGLAND RADIO RALLY

Cheese & Grain venue, Market Yard, Bridge Street, Frome, Somerset BA11 1BE.

Doors open from 10am to 2pm with admission priced at £3 for adults and children under 14 free. There will be inside & outside traders, free car parking, café, RSGB bookstall, accessible & facilities for disabled.

Details from Shaun, G8VPG on 01225 873 098

www.westrally.org.uk

9 JULY 2017

CORNISH RADIO AMATEUR CLUB RALLY

Penair School, Truro, Cornwall TR1 1TN

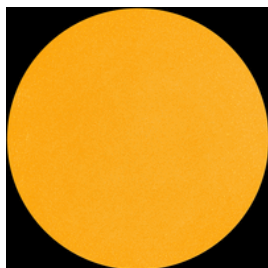
Car parking is available on site. Doors open 10.30am and admission £2 There will be traders, Bring & Buy and club stalls. Catering is available.

Contact Ken, G0FIC 01209 821 073 for more information.

SOLAR CYCLE 24 CONTINUES HISTORICALLY WEAK PACE AND COSMIC RAY ON THE RISE

Posted on <https://nextgrandminimum.wordpress.com/> on February 17, 2017 by Russ Steele
Meteorologist Paul Dorian, Vencore, Inc.

Historically weak solar cycle 24 continues to transition away from its solar maximum phase and towards the next solar minimum. There have already been 11 spotless days during 2017 and this follows 32 spotless days that occurred during the latter part of 2016. The blank look to the sun will increase in frequency over



the next couple of years leading up to the next solar minimum – probably to be reached in late 2019 or 2020. By one measure, the current solar cycle is the third weakest since record keeping began in 1755 and it continues a weakening trend since solar cycle 21 peaked in 1980. One of the impacts of low solar activity is the increase of cosmic rays that can penetrate into the Earth's upper atmosphere and this has some important consequences.

One of the consequences of extended periods of low solar activity is that it can result in an increase in stratospheric radiation. Specifically, as sunspot activity goes down, there is an increase in cosmic rays that penetrate into the Earth's upper atmosphere. Cosmic rays are high-energy photons and subatomic particles accelerated in our direction by distant supernovas and other violent events in the Milky Way. Usually, cosmic rays are held at bay by the sun's magnetic field, which envelops and protects all the planets in the Solar System. But the sun's magnetic shield is weakening as the current solar cycle heads towards the next solar minimum and this allows more cosmic rays to reach the Earth's atmosphere.

One of the consequences of extended periods of low solar activity is that it can result in an increase in stratospheric

radiation. Specifically, as sunspot activity goes down, there is an increase in cosmic rays that penetrate into the Earth's upper atmosphere. Cosmic rays are high-energy photons and subatomic particles accelerated in our direction by distant supernovas and other violent events in the Milky Way. Usually, cosmic rays are held at bay by the sun's magnetic field, which envelops and protects all the planets in the Solar System. But the sun's magnetic shield is weakening as the current solar cycle heads towards the next solar minimum and this allows more cosmic rays to reach the Earth's atmosphere.

TWO MORE EXAM SUCCESSES

Congratulations to Michael (right) on passing his Intermediate exam following on from his success in the Foundation last month. His call is **2E0IHW**. Michael is now studying for the full licence.

Well done to Rob (left) who visited us from High Hampton and took his Foundation exam and now has the call M6IXJ. We're pleased to say he also passed and is hoping to take his Intermediate in the near future.



That's it for this month - hope you enjoy the Newsletter

73s de Terry (G4CHD)