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**
Secretary	**Alan Fisher**	**M6CCH 01237 422833 Email: fisheralan@btinternet.com**
Treasurer	**Laurence Soutter**	**G4XHK**
Committee	**Mike Hammond**	**G3PGA**
	John Lovell	**M0JKL**
	Graham Bailey	**G1ZTJ**
QSL Manager	**John Lovell**	**M0JKL**
Web Master	**John Lovell**	**M0JKL**
Editor	**Terry Adams**	**G4CHD**

May, 2013

EDITORIAL

Welcome to another Newsletter.
The Club's involvement with G100RSGB was a great success and the band conditions were relatively kind to us. In all 557 contacts were made on day 1 and a further 516 contacts on day 2 ie a grand total of 1073 contacts overall which is fantastic.
A great big thank you to all those who took part part and in particular to Laurence (G4XHK) for organising the station and Mike (G3PGA) for organising the operating schedules. A break down of how the contacts were made by the different operating modes is given later in this Newsletter.
Your Club Committee finally had its first Meeting on Wednesday evening, May 8th at the Chairman's qth. It was a very fruitful Meeting resulting in the excellent programme shown opposite. Health & Safety issues were discussed and it was agreed that this topic be added to the Agenda for all future Meetings. Further operation of the Club station from Laurence's qth was discussed and the outcome summarised opposite. The need for the Club's equipment to be fully insured (we already have 3rd Party Liability insurance via the RSGB) was raised and Alan (M6CCH), our Secretary will investigate. Finally, the nature of the Club Constitution and the need for a set of Club Rules was discussed and Alan will investigate how this matter is handled by other Clubs.
The next Committee Meeting is arranged for September 11th at Laurence's qth so contact the Committee if there are any topics you would like discussed.
So, enjoy this 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.
For further information, contact Alan (M6CCH)

May 20th	Analysis of G100RSGB/How to set up Logger32 by Mike (G3PGA)/Terry (G4CHD)
June 17th	Implications of the 4G TV Band takeover by Graham (G1ZTJ)
July 15th	Club Bring & Buy
August 19th	Natter Night
September 16th	Antenna Analysers - Comparison and Demo
October 21st	Mountains & Canyons of SW USA by John (M0JKL) **This is our annual Open Meeting**
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 (M0JKL)
February 17th	Radio Quiz by John (M0JKL)
March 17th	Club AGM
April 21st	TBA

CLUB STATION OPERATION AT QTH OF LAURENCE/VIV

Laurence and Viv have kindly offered that until the end of this Summer, operation of the Club Station GX2FKO may be possible on Friday afternoons from 2 - 3pm and 4 - 5pm for upto 4 people max, one of whom must be a full License holder. The Friday Zepp Net will use the 3 - 4pm slot.
Please check with Laurence first.

REPORT ON THE APRIL MEETING

101 things to do with a tin can and a Raspberry Pi

By Steve (G6SQX)

Our new Club year started off in superb form with Steve's talk on the wondrously varied things that you could do with the Raspberry Pi micro computer board.

However, before the start of the talk, the Club presented Viv and Laurence with a small token of our appreciation for all their hard work and the use of their qth for the G100RSGB station.

Steve started by describing the need for a computerised logging system for the Exmoor Youth Challenge where it was necessary to log the timings and whereabouts of contestants. The problem was how to transfer data from the checkpoints to a central station. The system which Steve devised used a hand scanner to input the data into a Raspberry Pi computer which was running Fldigi to transmit the data via a 70cm link using a Yaesu 8800 and PSK 250. The received signal was also
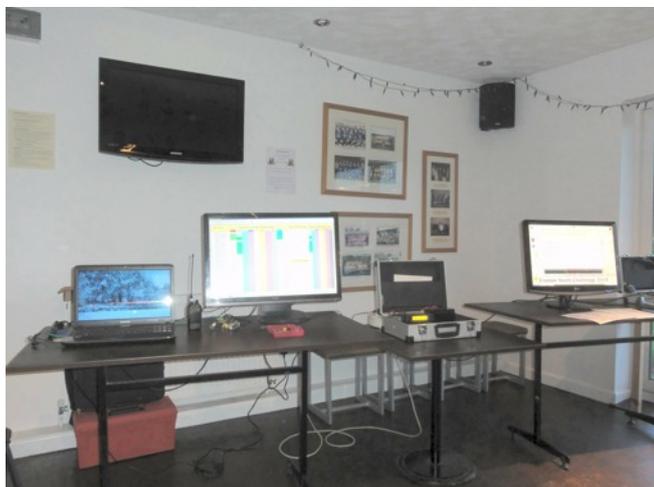
fed via a Raspberry Pi into an Excel spreadsheet which displayed the required information.

Steve explained that a problem he encountered was the lack of any clock in the Raspberry Pi and so a GPS RX was used to provide the time signals.

Despite a few teething troubles as is to be expected with such an advanced system, Steve very successfully fully demonstrated the system which resulted in a most appreciative applause at the end of Steve's talk.

Many thanks Steve for a most entertaining and informative talk which really did demonstrate just what can be done with the Raspberry Pi.

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

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 **1600** local time
   7.185 MHz ± qrm

Slow Morse: This net run by Dave (G3YGJ) **has been suspended. Please contact Dave if you require Morse practice.**

**70cm Net:** **Sunday, via GB3ND, 1100 - noon local time**

CROSSWORD

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

Clues Across

1) Split pulses, a common foodstuff in Victor Uniform land (4)
5) A person who does not eat or use animal products (5)
7) Forename of Gorbachev, former General Secretary of the Communist Party of the Soviet Union (7)
8) An object of considerable age (7)
11) A mollusc with a shell lined with mother-of-pearl (7)
13) In computing, an acronym for 'system operator' (5)
14) 'P' phonetically (4)

Clues Down

1) U.S. Ten-cent coin (4)
2) U.S. State, capital city Little Rock (8)
3) Monetary units of Yankee Oscar land (3)
4) An unbalanced to unbalanced transmission line transformer (4)
5) A voltage-variable capacitor (7)
6) An eye-condition with increased pressure within the eyeball, causing gradual loss of sight (8)
9) The three sections of a transistor : emitter, collector and ? (4)
10) Sixth letter of the Greek alphabet (4)
12) Your new rig will normally be delivered in one of these (3)
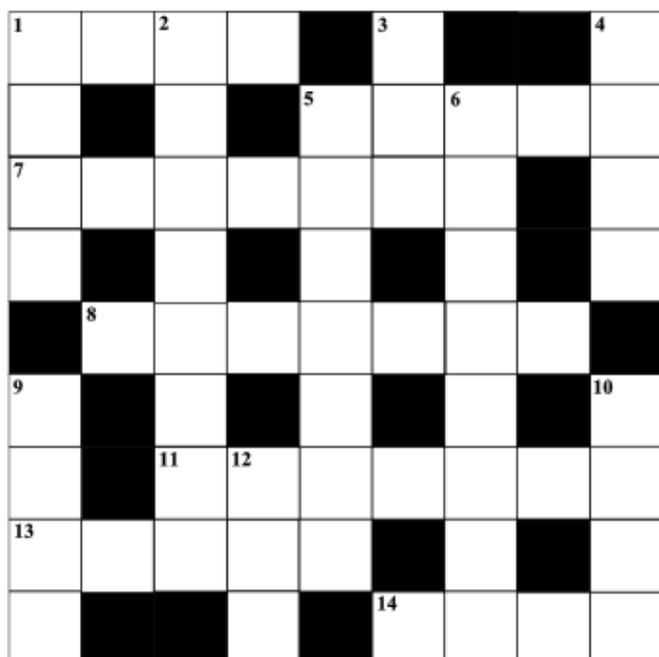
Last month's answers :-

Across 1) audio 5) Togo 6) Sudan 8) nougat 10) alimso (Somali) 12) egret 13) imam   14) Zener
12) Eritrea 14) out   15) Andorra

Down 1) Australia 2) Iran 3) Congo 4) voltmeter
7) noise 9) cigar   11) ogee

Stuart (M1FWD)

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/

G100RSGB PHOTOS

Many thanks to Jim (M3VJM) for the following photos which I think help capture the event.
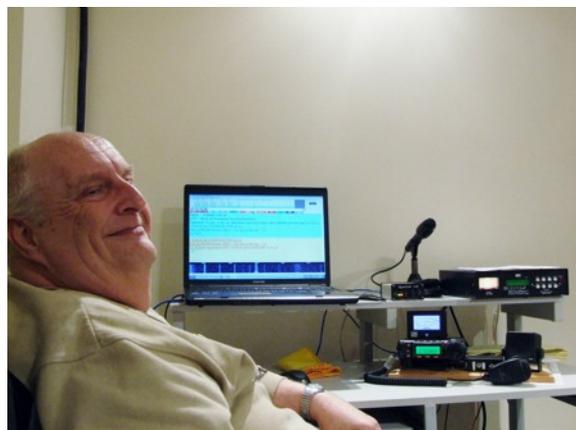
CAN YOU HELP IDENTIFY THESE MEMBERS

Many thanks to Brian (M0BRB) for sending me the following old photos of past ADARC events. However, can you recognise or help identify anyone in the photos ?
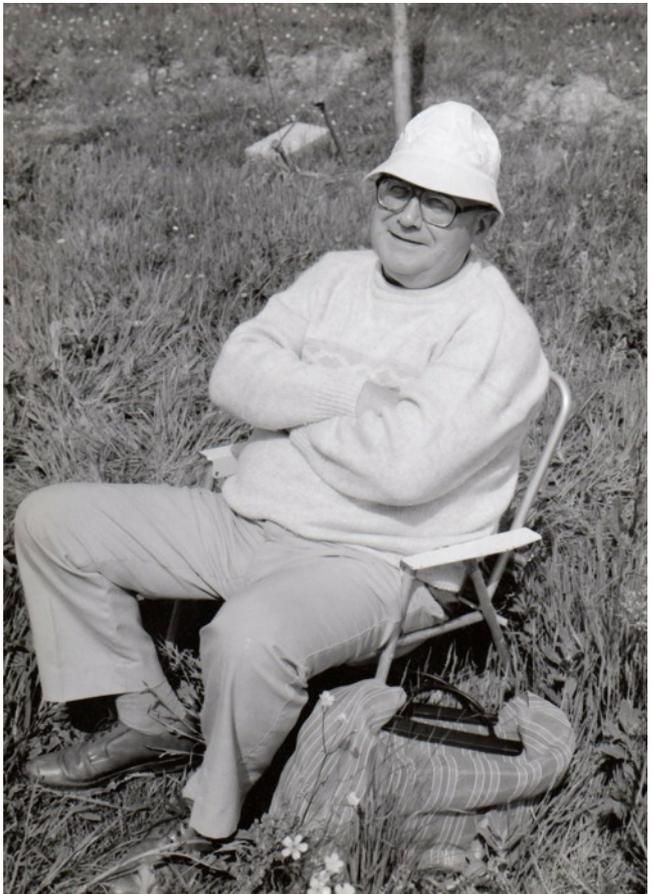
Ah - those were the days !!

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.

Enjoy the read   Terry (G4CHD)