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

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EDITORIAL

Welcome to another Club Newsletter.

This month's Meeting on **Monday June 20th** will be **operating GQ2FKO** from the Clubhouse using an external antenna on the football pitch. We can have access to the Clubhouse/Car Park etc from **4.30pm** (**NO EARLIER** - to allow the previous users to fully vacate the Car Park). Hopefully we can have the station up and running by about 5pm and operate until about 8pm after which the Meeting will be a general **Natter Night**. As always this relies on members' support by turning up and helping with setting up the antenna/station etc.

Hopefully band conditions will be better than they were last Thursday in Victoria Park when after much effort just 21 contacts were made using Fred's (G0AOB) Tarheel mobile antenna for which the Club is extremely grateful. With hindsight it was a blessing that Fred had offered the use of his antenna as space to erect any other sort of antenna was very restricted. Despite the poor conditions, I think everyone who attended had a good time and the weather was superb if a little too hot at times!

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, please contact the Secretary, John (G3JKL) - see above panel for contact details.
If you have any suggestions for a suitable talk etc please contact any Committee member.

Date	Topic
June 20th	Operation of GQ2FKO from 5pm followed by Natter Night
July 18th	TBA
Aug 15th	Bring & Buy
Sept 19th	TBA
Oct 17th	TBA
Nov 21st	Bring & Buy
Dec 19th	Xmas Party
Jan 16th	TBA
Feb 20th	TBA
Mch 20th 2023	AGM

LOCAL REPEATERS

2m Stibb Cross Repeater (GB3DN)
http://www.g0rql.co.uk/gb3dn.htm
User: Listen 145.6375 MHz - Transmit 145.0375 MHz.
Access 1750 Hz Tone or 77 Hz CTCSS
Repeater keeper is Tony (G1BHM)

Fusion/C4FM/WiresX Gateway (MB6DT)
Frequency 144.8125 MHz.
Gateway Keeper Darren (2E0LVC)

Fusion/C4FM/WiresX Gateway (MB6DN)
Frequency 144.825 MHz.
Gateway Keeper Drew (M0MFS)

LOCAL NETS

Weekday Zepp FM Net: Mon/Tues/Thurs/Fri :
145.450MHz - 4pm - 5pm
Wed via GB3DN - 4pm - 5pm
Net Control : Len (M0SXY)

2m Elevenses FM Net: Mon/Wed/Fri :
11 - 12.00 noon via GB3DN
Net Control ; Mike (G3PGA)

Friday Night 2m Net: Friday : 145.450 FM, 8 - 9pm

Sunday Top Band Net: Sunday 1.860 MHz
9.30 - 10.15am
(LSB - 32W pep max)

2m SSB Nets: Wed: 8 - 9pm 144.260MHz
USB SSB (Vertical polarised)
Sun: approx 10.30am (follows
Top Band Net) 144.260MHz
USB SSB (Vertical polarised)

Sunday FM Net: Sunday: 11 to noon via GB3DN
Net Control : Chris (G0FJY)

CROSSWORD

Many thanks to Stuart (M1FWD) for this month's Crossword.
The answers are in next month's Newsletter. Good luck !

CLUES ACROSS

1) The 21st letter of the Sierra Victor (SV) land alphabet (3)
3) Cripple, disable, mutilate (4)
5) ? lazuli, deep blue metamorphic rock (semi-precious) (5)
6) Extinct, flightless bird, Dinornis robustus (3)
8) River on the border of Papa Five (P5) land and Bravo Yankee (BY) land (4)
9) Mohammed ? Khan, second president of Alpha Papa (AP) land (4)
11) Long-eared mammal, Equus africanus (3)
13) Antarctic island, Three Yankee (3Y) (5)
14) Type of telecommunications system which is a specialized form of RTTY protocol (1,1,1,1,1)
15) ? Sharples, former fictional Coronation Street TV character played by Violet Carson (3)

CLUES DOWN

1) ? and Jarvis islands, Kilo Hotel Five (KH5) (7)
2) Medium-sized antelopes, Aepyceros melampus (7)
3) Elon ?, as of June 2022 probably the wealthiest person in the world (4)
4) Former unit of electrical conductance, superseded by the siemens (3)
6) Foxtrot Hotel (FH) archipelago (7)
7) Province of Victor Echo (VE) land, capital city Edmonton (7)
10) Electrical supply using one feed cable to a socket taken off a ring main (4)
12) Smart card which stores identification data (1,1,1)
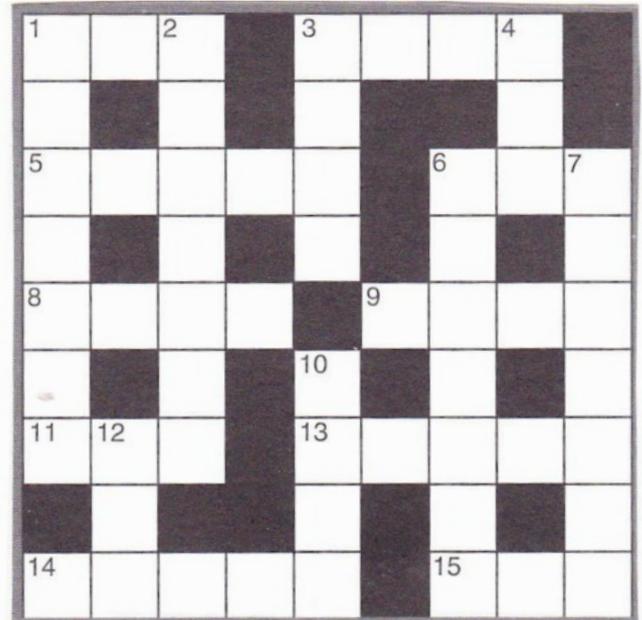
Last month's answers :-

ANSWERS ACROSS: 1) rheostats 6) voids 7) envy 9) farad 10) item 12) Niger 13) Rodrigues

ANSWERS DOWN: 2) hood 3) Oldham 4) amend 5) stays 7) eating 8) Minor 9) fetid 11) here

INSTALLING & SETTING UP LOG4OM

As threatened in my May talk, step by step instructions on installing and setting up Log4OM are included on the following pages. I have also worked out how to use Log4OM to print QSL labels if anyone is interested. Any problems, please don't hesitate to contact me. Good luck!

FOR SALE (SK)

I have been informed by John (G8BXO) that the following item which belonged to the late Steve (G6SQX) is for sale:-

An extending aerial mast in 3 sections with the bottom section 12 feet long and complete with charged and tested activator battery.This is to view at Kingsnympton but Email G8BXO first (G8BXO3JOHN@gmail.com)

FOR SALE

I have the following 3 items for sale. If interested e mail me at terrywho35@gmail.com. I can bring the item(s) to this month's Club Meeting.

AVAIR AV-201 SWR METER £40

NISSEI RX-203 CROSS NEEDLE SWR METER £40

**I PRO TRAVELLER
40 - 10m PORTABLE
ANTENNA**

Excellent antenna - centre fed, centre loaded with capacity hats top and bottom. Bottom one used to adjust SWR. The antenna is just 3m tall and can be assembled in 5 minutes.
Have worked VP8 with this antenna using FT450 from a layby!

£200

(New £440)

That's it for this month - enjoy the Newsletter

Best 73s Terry G4CHD

<h1 style="text-align:center"><u>SETTING UP AND USING LOG4OM NEXTGEN</u></h1>

<h2 style="text-align:center">by Terry (G4CHD)</h2>

1. WHAT IS LOG4OM NEXTGEN

Log4OM is a free Windows based program that provides a general logbook program, DX cluster, CAT radio interface together with interfaces to several ham radio services like EQSL, QRZ, and HRDlog.

It is written in C# by Daniele Pistollato, (IW3HMH) and has excellent support from Terry Genes (G4POP).

Log4OM NextGen is the latest version and differs significantly from the earlier version.

2. INSTALLATION OF LOG4OM NEXTGEN

Go to   https://www.log4om.com/download/   and select and download the latest current release

(at the time of writing it is version 2.22.0.0 released on May 21st 2022)

*I would suggest **NOT** to use the Portable version which is intended to be run from a memory stick.*

Install the program - your antivirus program may object but I ignored the warning and have not suffered as a result - and when offered the option to download and install OmniRig - do so and agree to generate a Desktop icon.

At this stage it is a good idea to decided which Radio you intend to use, how you will be operating eg from Home or also /P, will you be using any special callsign eg for the Jubilee, and how many computers will be used for logging contacts. These decisions will determine how to set up Log4OM as shown below.

3. POSSIBLE OPERATING SCENARIOS

Many amateurs perhaps use several callsigns - eg in my case G4CHD, G4CHD/P, and GQ4CHD.

I QSL mainly via **EQSL** with whom I have a Primary Bronze Account for G4CHD and Attached Accounts for G4CHD/P and two Attached Accounts for GQ4CHD (one for 2012 and another for June 2022 which is allowed as the dates don't overlap). The Bronze membership (for one year) allows me to design different bespoke EQSL cards for all four Accounts - however you could just take out a free Basic membership and use different but standard EQSL cards for the four Accounts.

Each Account is defined by the callsign, and QTH Nickname but all use the same Password.

My Operating involves working from both the home QTH using a Yaesu FTDX10 and logging with a Desktop computer, as well as operating /P using an Icom IC-7300 using a Laptop for logging.

I prefer to have separate logs for Home station and /P working.

Hence my logging system must take into account using two different logging computers and hence the need to **synchronise the logs from both computers** for each callsign.

I therefore decided to use a separate log for each callsign (G4CHD, G4CHD/P, GQ4CHD) using **'cloud storage'** eg Dropbox. Hence either computer is always using an up to date version of the log.

Of course if you don't intend to use several computers but only a single one eg in the Home shack then there is no need to synchronise and the logs can be simply stored in the Computer.

Furthermore if you are happy to use a single log for all your callsigns, then the situation is further simplified but more complicated when downloading EQSL confirmations and cards (see later)

However for this Article I will assume the use of two computers and a Dropbox Account.

4. RADIO CAT CONTROL

Although not essential (Band, Mode and Frequency can be entered manually) Log4OM works best with the Radio CAT controlled. Most modern rigs offer this, often via a rear USB (square type 2) socket as used by both the IC-7300 and FTDX10.

After installing Log4OM, attention must be turned to the radio which must **NOT yet be connected** to the computer but with the aid of the Manual, find where the **CAT Baud Rate** is set and edit it to your preferred value and **make a note of its value.**

Next, go to the Radio Manufacturer's website and locate the appropriate Driver for your Radio and download it.

NOW you can connect the Radio to the Computer via a USB cable and switch on the Radio.

Windows will detect the radio connected to the Computer's USB port and fetch the Driver which you have just downloaded and install it. This will allocate a COM Port Number to the USB Port and also install a Virtual Sound Card with inputs & outputs which are named USB Audio Codecs.

To find which COM Port Number has been allocated, go into Device Manager (Right click on the bottom left Windows Logo and select Device Manager from the list).

Scroll down to the Ports (Com & LPT) section and double left click and record the COM Port number - see opposite

Double left click on the COM Port entry and in the new window select the Port Settings tab and adjust the Baud Rate to be the same as that in the radio.

Finally Log4OM needs to be set up to complete the installation.

5. LOG4OM SETTINGS

Log4OM operates by selecting a Configuration (ie a User Profile) which you have set up which describes your operating situation.

You can have many Configurations and I chose the following :-

> G4CHD Home, G4CHD Portable, and GQ4CHD Jubilee

Each Configuration defines callsign, location, equipment, Log (ie Database), Backup Log location, etc… see opposite

When you first run Log4OM it opens up in the Configuration settings window (if not, click on Settings/Program Configuration) with default settings which need to be edited.
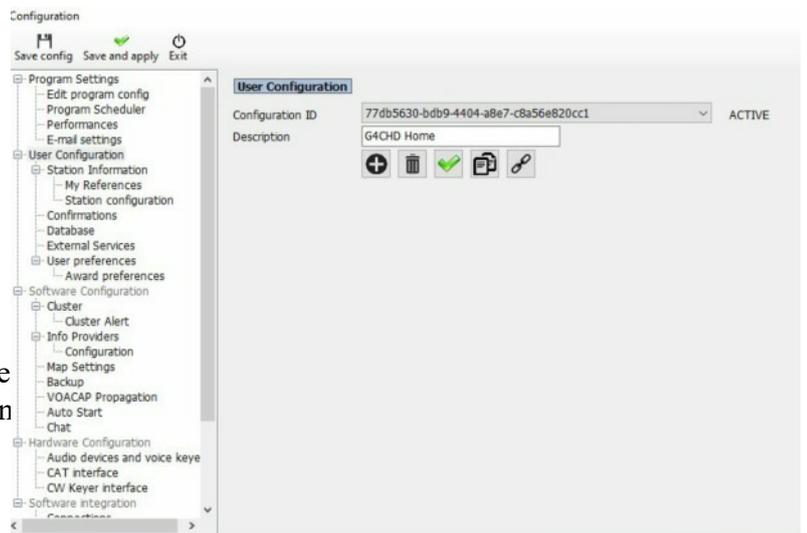
The following describes the step by step process which works down the list of Headings in the left hand window :-

Program Settings : Ensure Check for Updates is checked and if required change the Distance Unit from km to miles. Finally in the box 'QSO Attachment archive path' enter the location in which you wish to store downloaded EQSL cards. If using two computers, I suggest using a Dropbox location (as I have done) otherwise select a folder on your computer. Also ensure 'Automatic backup on closure' and 'Ask before exit' are ticked.

User Configuration :

Edit the Description to something suitable (avoid ? @ /~ Symbols etc but can include a space)

Click on the green tick to make this configuration Active.

Station Information :

Enter the Station Callsign, Operator and Owner (eg for the Club - Station Callsign used on air is GX2FKO, owner is G3JKL, and the Operator is whoever is on the mike eg if me then enter G4CHD)

Enter your 6 character Locator (eg IO71va bottom left of the map)

Entries on the right hand side relate to Macros and only need completing if using some aspects of Log4OM

Station Configuration :

Click to highlight Station and click radio symbol to enter radio(s). Click on Radio to highlight and then antenna symbol and enter antenna(s) used by that radio. Finally click to highlight an Antenna and click on concentric arcs and select bands.

Thus you can list several radios, the antennas each can use and finally he bands used by each antenna.

Confirmations :

Select eg EQSL from Type list and select your preferred confirmations for Sent and Recd   eg No

Select which to be used for Statistics from list

Database :

Normally SQLITE Databases are used for your Logs.

Initially will need to create a new database by clicking NEW and browsing to a suitable location and enter a suitable name for your new Database.

As discussed earlier, if you are using more than one computer, then choose a 'cloud' location eg Dropbox.

    eg   C:\Users\Name\Dropbox\Folder\Database.sqlite

External Services :

Here you give the login details for your chosen external service(s) eg QRZ.COM and EQSL.COM

For EQSL the User is the callsign eg G4CHD/P, Password is that used to log into EQSL, and QTH Nickname is for the EQSL Account for eg G4CHD/P

User Preferences :

I ticked 'Set QSO Start time when leaving callsign field' and 'External services delayed upload' is ticked I

also left ticked '6' for Gridsquare and Overwrite user gridsquare in main UI

Cluster :

I ticked Cluster Auto-start, Server auto-start, and Show cluster grouped. I also selected Show stable clusters

Cluster Alert :

I disabled 'Enable alert sound'

Info Providers :

Under Primary Source I selected QRZ.COM as well as under Web external source

On the QRZ.COM row I entered the login username and password

Map Settings :

I selected alternate 2 but it's a personal choice

Backup :

Tick 'Database backup (NOT ADIF).. And enter a suitable location in the box. Could be a memory stick or computer folder if main database storage is in the 'cloud'.

You can also choose another location for a second Backup as belt & braces.

Audio devices and voice keyer :

Select for 'From Radio' - Microphone (USB Audio Codec) and for 'To Radio' - SPEAKERS (usb Audio Codec)

Note these codecs are only available if the radio is powered up and connected to the computer.

At this stage the entries for the Recording Device can be ignored.

CAT interface:

Under Settings Tab, select Omnirig and tick 'CAT auto-start'

Connections :

In Port box enter WSJT-X default port number (bottom left)

In Connection name type WSJT_DIRECT

Select JT_MESSAGE from Service type list and finally click green +

Applications/WSJT-X/JTDX :

Tick 'Import QSO from JT Message #12'

Finally click on Green Tick labelled Save and Apply at top.

It is also useful to return to Settings/Program configuration, and click the Chain Link icon to create a Desktop link icon to start Log4OM in this particular Configuration and retick Save and apply.

If migrating from a different Logger, export your Log as an adif file and then import it into Log4OM via File/Import ADIF File. If 'Drop current database and load adif' is ticked then the adif file imported will overwrite the present contents of the selected Log4OM Database. I normally leave this unticked so that any import is MERGED with an existing Database.