



## \*\*\* QDG DIGIPEAT February 2015 \*\*\*

Digipeat is the Official Newsletter of the Queensland Digital Group  
Incorporating 'Amateur Eye', the Official Newsletter of the  
South East Queensland Amateur Television Group

### February General Meeting

The Next QDG general meeting will be held on Friday February 20 at the Chermside Library, meeting Room 1.

This is a combined SEQATV Group QDG meeting.

The doors will open at 7:00pm for a meeting start of 7:30pm; if you arrive late, please push the buzzer for entry.

The library is near the shops on the corner of Hamilton Rd and Kittyhawk Dr (enter from Kittyhawk Dr).

Location map:

<http://www.brisbane.qld.gov.au/facilities-recreation/libraries/opening-hours-locations/chermside-library/>

### Editorial

Meeting room bookings have been made for next year but only up to May as the building is to be demolished to make way for a bigger and better Library.

It's time to start thinking of a new meeting location for June onwards; please email your suggestions or discuss it at the next meeting.

Alan VK4NA

### NEWS FROM THE SEQATV GROUP

#### New web site

Please check out the new Web site for the latest information and contact details.

<http://seqatv.org/>

#### Brisbane VHF Group

##### New Web site

Please check out the new Web site for the latest information and contact details.

<http://brisbanevhfgroup.com/>

## Microwave Dish

Do you need a dish for microwave activity?

There is one (1) only, Mitec 600mm prime focus spun aluminium dish available for pick up from Stanthorpe; **free** to a QDG member if you promise to use it; if you are not a member please join, also free.

Alan Wills VK4NA

[qdg@qdg.org.au](mailto:qdg@qdg.org.au)

## Car Boot Sale

**Saturday 7th March from 8am**

**Caboolture radio club clubhouse**

169 Smiths Road

Caboolture QLD 4510

Here's a chance to sell your, surplus to needs, radio gear or any other gear, that you thing would be useful to someone.

Entry is free.

Sumptuous breakfast of bacon and eggs, sausages, tomatoes, toast with lashings of tea, coffee and cold drinks will be available from the club canteen, opening at 8:00 AM.

Everyone welcome.

Club 2m repeater will be manned.

<http://www.vk4qd.net/>

## ANZAC Centenary

From 2014, the world is commemorating 100 years since the First World War. The WIA have developed a plan that will allow Radio Amateurs to commemorate this event with activities that will commence in 2014.

The major commemoration will commence on the 25th April 2015 which is when Australian and New Zealand troops landed at Gallipoli, marking 100 years since our nation's involvement in the First World War.

<http://www.wia.org.au/newsevents/anzaccentenary/about/>



# IARU

## World Amateur Radio Day

Each year on 18 April, radio amateurs celebrate World Amateur Radio Day. On that day in 1925 the International Amateur Radio Union (IARU) was founded.

The International Amateur Radio Union (IARU) has been the watchdog and spokesman for the world Amateur Radio community.

<http://www.iaru.org/world-amateur-radio-day.html>

## Horace Longson ZL3WE

Wartime radar to iPad - veteran knows how to make them work

Horace Longson sits in his office, cluttered with wires and whirring machines, and checks Facebook on his iPad.

[http://www.nzherald.co.nz/technology/news/article.cfm?c\\_id=5&objectid=11397374&ref=newsl\\_af\\_ternoonnewsdirect\\_J20080609\\_142008\\_1716\\_1129\\_825738151](http://www.nzherald.co.nz/technology/news/article.cfm?c_id=5&objectid=11397374&ref=newsl_af_ternoonnewsdirect_J20080609_142008_1716_1129_825738151)

## VOACAP Online

**HF Propagation Prediction and Ionospheric Communications Analysis**

by Jari Perkiömäki, OH6BG/OG6G

This is a work-in-progress guide to using VOACAP (Voice of America Coverage Analysis Program) - free professional HF propagation prediction software from NTIA/ITS, originally developed for Voice of America (VOA). This guide should get you well started with VOACAP.

<http://www.voacap.com/prediction.html>

## VK3 Dstar website

[www.vk3.dstar.org.au](http://www.vk3.dstar.org.au)



## APRSdroid - APRS for Android

APRSdroid is an Android application for Amateur Radio operators. It allows reporting your position to the APRS ([Automatic Packet Reporting System](#)) network, displaying of nearby amateur radio stations and the exchange of APRS messages.

APRSdroid is Open Source Software written in Scala and licensed under the GPLv2.

<http://aprsdroid.org/>

## Dan (YO3GGX) - Simple projects you can build or use at home

Includes an application remotely control several ham radio sources via an Android smart phone.

<http://www.yo3ggx.ro/>

## Android Apps

### Pocket RxTx

This is an Android application used to remotely control several HAM radio

- any CAT enabled transceiver over Bluetooth, USB/Serial or with secure authentication over Network (with a PC component;
- multiple WebSDR servers around the globe.

<https://play.google.com/store/apps/details?id=ro.yo3ggx.rxtx&hl=en>

### MUF Predictor

This simple calculator will help you determine maximum usable frequency.

Just enter your transmitter and receiver location.

<https://play.google.com/store/apps/details?id=sv1djq.hamradio.apps.propagation.mufpredictor&hl=en>

### EchoLink

With this android app you can talk to any repeater connected to the EchoLink network, using a WiFi connection or cellular data service.

<https://play.google.com/store/apps/details?id=org.echolink.android&hl=en>

### Morse Code Trainer

CW trainer

<https://play.google.com/store/apps/details?id=hunt.morseDit>

### HamGPS

Android app that use your smartphone's GPS to quickly resolve your Maidenhead location.

<https://play.google.com/store/apps/details?id=ea4eoz.HamGPS>

### Ham Radio Tools

Simple reference guide that includes logging with import-export; It also has short Q code reference sheet, common formulas, and an antenna calculator.

<https://play.google.com/store/apps/details?id=chris.ham.radioTools>

## ISS Detector Satellite Tracker

Tracks and alerts on ISS passes with specified criteria.

The pro upgrade will add amateur radio satellites.

<https://play.google.com/store/apps/details?id=com.runar.issdetector&hl=en>

## PocketSat

Handheld Satellite Tracking for

Try out the free version first

<http://www.pocketsat.com/products/ps3android.php>

## Repeater

Using your Android phone's GPS, you can quickly reference local repeaters, any band, any mode, with full details, as you travel.

<https://play.google.com/store/apps/details?id=com.zbm2.repeater>

## QRZDroid

A companion app to the popular callsign database site, QRZ.com.

<https://play.google.com/store/apps/details?id=com.qrz.database.callsign>

## QRSS Beacon

Andrea Salvatore IU4APC

A full-featured slow CW beacon application. QRSS will allow you to select a DIT duration from 1 to 60 seconds and choose one of the 3 supported modes: QRSS, FSK/CW and DFCW. Simply connect the audio out of your Android device to the audio in of your radio and enable VOX.

<https://play.google.com/store/apps/details?id=com.iu4apc.qrssbeacon>



## ARISS SSTV gallery

Images from the "Expedition 42 - 2" mission.

[http://www.spaceflightsoftware.com/ARISS\\_SSTV/](http://www.spaceflightsoftware.com/ARISS_SSTV/)

## ARISS-SSTV images

Slow Scan Television (SSTV) images transmitted from the International Space Station and other ARISS supported satellites.

The focal point for some of the best SSTV images received during Oct 2008 and beyond. Images will be downlinked by ISS on 145.800 MHz.

Reports of planned amateur radio activity using SSTV.

<http://ariss-sstv.blogspot.com.au/>

## AMSAT-UK

### Radio Amateur Satellites

The Russian Federal Space Agency (Roscosmos) has announced another round of amateur radio Slow Scan Television (SSTV) activity from the International Space Station (ISS) will take place later this month. Continuous operation, using the call sign RSOISS, is expected from 1000 UT on Saturday, February 21 until 2130 UT on Monday, February 23.

<http://amsat-uk.org/>

## CubeSat

The latest CubeSat news and information

<http://www.cubesat.org/>

## The Newbie's Guide to Using D-Star

How to get the most out of your new D-Star transceiver

Susan Mackay VK3ANZ

<http://vk3.dstar.org.au/wp-content/uploads/2014/10/Newbies-Guide-to-D-Star-V2.01.pdf>

## ACMA Radcom Database

Register of Radiocommunications Licences

[http://web.acma.gov.au/pls/radcom/register\\_search.main\\_page](http://web.acma.gov.au/pls/radcom/register_search.main_page)

## 2m SSB

### Sunshine Coast 2m SSB net

19:30 Sundays on 144.4 MHz

Don't just use your equipment on field days; come up on air every Sunday.

## SEQATV Club Net

Wednesday nights

8:00 PM EST on VK4RRC 146.925MHz repeater

## 2015 dates

February 22 CCARC Wyong Field Day

<http://www.ccarc.org.au/wp/ccarc-field-day/>

April 11 VK4 REDFest (Redcliffe Radio Club Event)

<http://www.redclifferadioclub.org.au/>

May 9 VK4 BARCFEST Brisbane

<http://www.qsl.net/vk4ba/>

July 4 VK4 Caboolture Hamfest

<http://www.vk4qd.net/>

July 11-12 VK3 GippsTech 2015

<http://www.emdrc.com.au/>

August 9 VK2 SARC-FEST Lismore

<http://sarc.org.au/>

Sept 12 VK4 SUNFEST Woombye

<http://vk4wis.org/>

Oct 24 VK4 Gold Coast Hamfest Broadbeach

<http://www.gcars.com.au/>

## Contests 2015

### **Jock White Field Day**

Saturday February 28th and Sunday March 1st.

<http://www.nzart.org.nz/activities/contest-rules/rules-jock-white-field-day/>

### **John Moyle Memorial Field Day**

March 21st & 22<sup>nd</sup>, from UTC 0100 on the Saturday to 0059 on the Sunday.

<http://www.wia.org.au/members/contests/johnmoyle/>

### **Remembrance Day Contest**

August 15th & 16<sup>th</sup>

<http://www.wia.org.au/members/contests/rdcontest/>

## QDG information

### QDG meeting dates 2015

January 16 (Combined SEQATV Group QDG meeting, meeting Room 1)

February 20

March 20

April 17

May 15

June

July

August

September

October

November

December (Combined SEQATV Group QDG meeting, meeting Room 1)

Unless otherwise noted, QDG group general meetings are held on the third Friday on the month at the Chermside Library, Meeting Room 1.

The doors will open at 7:00pm for a 7:30pm start; if you arrive late, please push the buzzer for entry.

The library is near the shops on the corner of Hamilton Rd and Kittyhawk Dr (enter from Kittyhawk Dr).

Location map:

<http://www.brisbane.qld.gov.au/facilities-recreation/libraries/opening-hours-locations/chermside-library/>

### QDG Membership

QDG Membership is presently free.

As of July 2014 the QDG has 64 members.

Information and a list of members are up on the web site <http://www.qdg.org.au/qdgmemb.htm>

Membership forms are on the web site.

### QDG Membership services

Members receive additional 'Digipeat Extra' emails and invitations to other club activities not included in the Digipeat newsletter.

### Sound Card to Radio Interface

This computer to radio interface can be used for any audio mode including voice.

The SCI provides isolation to remove earth loops as well as providing switching and level adjustment.

Contact Richard VK4ZA on 07 3376 5231, email [richatkn@tpg.com.au](mailto:richatkn@tpg.com.au) or via the QDG web site.

Please contact Richard if you are interested in a dual interface PC board or a mark 2 version with modified connections.

### QDG club contacts

Club contact: Alan Wills VK4NA

Digipeat Editor: Alan Wills VK4NA

Web site: Alan Wills VK4NA



Web site hosting: Tim O'Donohoe  
Supper: Alan Wills VK4NA  
JOTA: Richard VK4ZA

Phone: Alan Wills VK4NA after hours on 61 07 3491 8032  
Twitter @VK4NA

Email: [qdg@qdg.org.au](mailto:qdg@qdg.org.au)

Web site: <http://www.qdg.org.au>

Digipeat <http://www.qdg.org.au/qdgdigi.htm>

QDG  
37 Evergreen Parade  
Griffin QLD 4503  
Australia

## South East Queensland ATV group Information

### SEQATV meeting dates 2014

Please check the SEQATV [Web site](#)

Unless otherwise noted, SEQATV group general meetings are held on the first Tuesday on the month at the Chermside Library, Meeting Room 1.

The doors will open at 7:00pm for a 7:30pm start; if you arrive late, please push the buzzer for entry. The library is near the shops on the corner of Hamilton Rd and Kittyhawk Dr (enter from Kittyhawk Dr).

Location map:

<http://www.brisbane.qld.gov.au/facilities-recreation/libraries/opening-hours-locations/chermside-library/>

### SEQATV group Membership

SEQATV group Membership is set at the AGM, please contact the secretary for the current fee. The membership fee remains at \$20.00 for 2014

### SEQATV group Membership services

Members receive additional 'Amateur Eye Extra' emails and invitations to other club activities not included in the Digipeat or Amateur Eye newsletters.

### SEQATV Club Net

Wednesday nights  
8:00 PM EST on VK4RRC 146.925MHz repeater

## The SEQATV group Officers

### **Elected officers:-**

President: Arnold Youngberg VK4SU

Secretary: Peter Schrader VK4EA

Treasurer: Andy Beales VK4KCS

### **Coopted Officers:-**

Callback Officer: Peter Jones VK4YAC

Vice President: Alan Wills VK4NA

Additional coopted officers will be added as required.

## SEQATV group Contact Information

South East Queensland Amateur Television Group

PO Box 3, Chermside Qld 4032, Australia

Amateur Eye (club mag) Phone: Alan Wills VK4NA after hours on 61 07 3491 8032

Email: [secretary@seqatv.org](mailto:secretary@seqatv.org)

Web site: <http://www.seqatv.org/>

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Enjoy your hobby!

73 Alan VK4YAR / VK4NA

\*\*\* Queensland Digital Group \*\*\*

\*\*\* SEQATV group \*\*\*

\*\* Supporting Radio Communications in VK4 \*\*