



## \*\*\* QDG DIGIPEAT July 2014 \*\*\*

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

### July General Meeting

The July QDG general meeting will be held on Friday July 18 at the Chermside Library, meeting Room 1.

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/>

A composite image featuring a black and white checkerboard background. On the left, there are two technical displays: a yellow waveform labeled '23cm FM ATV' and a green spectrum plot labeled '23cm DATV' with '446.5Mhz DVB-T' below it. On the right, text reads 'South East Queensland ATV Group Inc.', 'VK4RMG Incorporating Digital ATV Repeater', 'VK4RTW', 'VK4RGO', 'As part of the ATV Digital Network', and 'PO Box 3, Chermside 4032'. A white circle is drawn around the central text.

## 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/>

## Caboolture Radio Club Hamfest

Saturday 19th July 2014

Entrance fee \$5, tables \$20.

Setup for vendors 7.30am.

Doors open to the public 9am.

BBQ breaky, hot coffee, buy, sell, swap, door prizes and more.

Not to be missed!

Where: The Caboolture Scout Ground, (next door to the club rooms),  
169 Smiths Road, Caboolture Qld 4510.

Map: <http://no.nonsense.ee/qth/map.html?qth=QG62LW25FG>

Table bookings please ring 0438 781 413

Contact: Caboolture RadioClub

Location: 169, Smiths Road

Caboolture, QLD 4510

Australia

Telephone: 0438 781 413

E-Mail: [vk4qd@yahoo.com.au](mailto:vk4qd@yahoo.com.au)

Web Site: <http://vk4qd.net>

## REDFEST

The club's second REDFEST will be held on Saturday 11 October this year. It will be held at the same venue as last year, St. Michael's school, on the Bribie Island road. The format will be similar to last year but the committee has decided to add extra attractions such as more tables for sellers and for vendors, a fox hunting competition, a treasure hunt, a technical talk and a larger number of raffle prizes and other give-aways.

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



FREE STAR\* is an experimental approach to the implementation of a vendor neutral, and open source, digital communication network.

FREE STAR\* enables existing (FM) repeater owners to establish a D STAR repeater with a choice of interface hardware (GMSK modem or sound card), software and radio hardware. FREE STAR\* currently does not bypass the need for an end-user to own/use a D-STAR radio to access DV enabled repeaters!

FREE STAR\* reflectors are open to ICOM and non-ICOM gateways, DVAR, DVAP, and DVTool clients.  
<http://www.va3uv.com/freestar.htm>

## AOR

### ADR9800 Fast Modem - Digital Voice and Image Interface

Digital voice, image and data modem for HF analogue transceivers

<http://www.aorusa.com/others/ard9800.html>

# DStar101

Ever wondered "How can I do ?" in DStar.

The idea is to gather together real world information from Radio Hams who have "Done it".

A great deal of useful information on DStar and repeaters in general.

<http://www.dstar101.com/>

## RadioReference.com

RadioReference.com is the world's largest radio communications data provider, featuring a complete frequency database, trunked radio system information, and FCC license data. RadioReference is also the largest broadcaster of public safety live audio communications feeds, hosting thousands of live audio broadcasts of Police, Fire, EMS, Railroad, and aircraft communications.

<http://www.radioreference.com/>



## The home of the Australian APCO25 community

Topics covered here:

- P25 equipment reviews
- P25 equipment for sale
- Programming hints and problems
- Wide area P25 systems
- CAI and P25 data
- P25 and Amateur Radio
- DVB-T USB dongles and set-up to monitor P25

<http://www.p25.com.au>

## STATION VK2KRR

THE ROCK HILL  
SOUTHERN N.S.W

If you are interested in VHF, UHF & microwave DX, visit this site.

<http://www.vk2krr.com/>

The banner for 'The Repeater Builders Technical Information Page' features a blue background. On the left, a vertical image shows a person climbing a tower. The main text reads 'The Repeater Builders Technical Information Page' in large, stylized letters. Below this is the website 'www.repeater-builder.com'. Logos for Motorola, GE, EEJohnson, and Astron Corporation are displayed. A graph showing impedance vs. frequency is on the left, and a toroid inductor is in the center. A photo of a tube is on the right. The text 'By Kevin K. Custer W3KKC' is at the bottom right.

The Repeater Builder's Technical Information Page® is an informational help site by Kevin Custer WJ8G.

This is the largest repeater information site in the world!

[www.repeater-builder.com/](http://www.repeater-builder.com/)

## EZNEC

EZNEC Antenna Software by W7EL

<http://www.eznec.com/>

## High Definition Earth Viewing (HDEV) - 06.19.14

The High Definition Earth Viewing (HDEV) experiment places four commercially available HD cameras on the exterior of the space station and uses them to stream live video of Earth for viewing online. The cameras are enclosed in a temperature specific housing and are exposed to the harsh radiation of space. Analysis of the effect of space on the video quality, over the time HDEV is operational, may help engineers decide which cameras are the best types to use on future missions. High school students helped design some of the cameras' components, through the High Schools United with NASA to Create Hardware (HUNCH) program, and student teams operate the experiment.

[http://www.nasa.gov/mission\\_pages/station/research/experiments/917.html](http://www.nasa.gov/mission_pages/station/research/experiments/917.html)

## You can finally watch a live video feed of Earth from space, and it's awesome

After being continuously inhabited for more than 13 years, it is finally possible to log into Ustream and watch the Earth spinning on its axis in glorious HD.

<http://www.extremetech.com/extreme/181740-you-can-finally-watch-a-live-video-feed-of-earth-from-space-and-its-awesome>

## 4nec2

4nec2 is a completely free Nec2, Nec4 and windows based tool for creating, viewing, optimizing and checking 2D and 3D style antenna geometry structures and generate, display and/or compare near/far-field radiation patterns for both the starting and experienced antenna modeller.

<http://www.qsl.net/4nec2/>

## NORSE

Real time Internet attacks

I suggest using Chrome browser

<http://map.ipviking.com/>

## Telstra Museum Brisbane

Visitors are guided through the Telstra Museum Brisbane by ex PMG employees who worked with the equipment during their telecommunication career. Several exhibits are 'hands on' with working manual and automatic phone exchanges, Morse code sets and working pairs of teleprinters (TELEX machines).

Follow the telecommunications evolution from Morse code to today's advanced telephone systems. Historic photographs are also on display.

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

## 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

7:30 PM EST on VK4RRC 146.925MHz repeater

## 2014 dates

Saturday 19th July Caboolture Radio Club Hamfest <http://vk4gd.net>

Saturday 13th September 2014 SUNFEST Woombye Qld <http://www.vk4wis.org/>

Saturday 11th October 2014 REDFEST Qld <http://www.redclifferadioclub.org.au/>

Saturday 25th October 2014 Gold Coast Ham-fest, Broadbeach Qld <http://www.gcars.com.au/>

## Contests 2014

Spring VHF-UHF Field Day 2014 - 22/23 November

Summer VHF-UHF Field Day 2015 - 17/18 January (to be confirmed)

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

## QDG information

### QDG meeting dates 2014

January	17
February	21
March	21
April	18
May	16
June	20
July	18
August	15
September	19
October	17
November	21

Unless otherwise noted, QDG group general meetings are held on the third Friday on the month at the Chermshire 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/chermshire-library/>

## QDG Membership

QDG Membership is presently free.

As of April 2014 the QDG has 62 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 3351 1673

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>

## South East Queensland ATV group Information

SEQATV meeting dates 2014

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 2013

## 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

7:30 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 3351 1673

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 \*\*