



### \*\*\* QDG DIGIPEAT September 2016 \*\*\*

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

## September QDG Meeting

The Next QDG general meeting will be held on Friday September 16 at the Redcliffe club rooms.  
Doors will open at 7:00pm for a meeting start of 7:30pm.

The club is located at MacFarlane Park in Klingner Rd, Kippa Ring. (UBD Map 91 Ref G 1)

<https://www.google.com.au/maps/place/MacFarlane+Park,+Kippa-Ring+QLD+4021/@-27.2214151,153.0882619,17z/data=!4m2!3m1!1s0x6b93e5f47d867511:0xe926a70030364326>

## Meeting topics

### **Linux presentation by Andrew VK4TEC**

Basic Linux commands

### **Alan Simpson memorial home brew competition winners**

We are pleased to announce the following winners:-

First: Richard VK4ZA - attenuators and inductance meter and home brew beer

Second: Quentin VK4AQF - 2.4GHz Yagi antenna and signal source

Third: Tim VK4TIM - APRS mobile transmitter

Forth: Andrew VK4TEC - packet go box

## Jota 2016

October 14th, 15th & 16th 2016.

QDG members will be helping out at BP Park again this year, please contact the club  
[qdg@qdg.org.au](mailto:qdg@qdg.org.au) if you would like to help.

## 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/>

## YARRRR!! Flagpole Contest

International Talk Like A Pirate Day

[www.mwrs.org.au](http://www.mwrs.org.au)

## Far Side DX Blog

A diary of my amateur radio activities, making shortwave contacts with people all over the globe

<http://z12ifb.blogspot.com.au/>



**The UK DX Foundation**

CDXC is the UK's premier DX Foundation, with approximately 890 members, dedicated to encouraging excellence in DX'ing and contest operating.

CDXC began in the 1980s, and was formed by a small group of keen UK DXers based in the Chilterns. Since then CDXC has grown substantially with our members sharing a common interest in HF DX and contesting, drawn together by their shared values of high standards of operating and DX'ing skills. CDXC has become one of the largest and most respected DX groups in the world.

Members include the majority of the UK's top DXers and testers, plus an increasingly large international membership. Characterised by a supportive and encouraging approach to all members, CDXC is an influential organisation which develops and enriches the world of HF amateur radio for its members and DXers worldwide.

<http://www.cdxc.org.uk/>

## Computer programming

Free programming books

<https://github.com/vhf/free-programming-books/blob/master/free-programming-books.md>

## Signal Identification Guide

This wiki is intended to help identify radio signals through example sounds and waterfall images.

[http://www.sigidwiki.com/wiki/Signal\\_Identification\\_Guide](http://www.sigidwiki.com/wiki/Signal_Identification_Guide)

## JAERO

A program to demodulate and decode Classic Aero SatCom ACARS signals

JAERO is a program that demodulates and decodes Classic Aero ACARS (Aircraft Communications Addressing and Reporting System) messages sent from satellites to Aeroplanes (SatCom ACARS) commonly used when Aeroplanes are beyond VHF range. Demodulation is performed using the soundcard. Such signals are typically around 1.5Ghz and can be received with a simple low gain antenna that can be home brewed in a few hours in conjunction with a cheap RTL-SDR dongle.

<http://jontio.zapto.org/hda1/jaero.html>



You can download this issue free now and forever, but buying in digital & print supports the Raspberry Pi Foundation's charitable mission to democratise computing.

<https://www.raspberrypi.org/magpi/issues/48/>

## Downgrade Prolific drivers

Go to <http://miklor.com/> website to downgrade Prolific drivers. This is the website with info and the older version of the drivers. This driver will work on all ACC Shop Wouxun radios, Baofeng and TYT radios.

If you are on Windows 10 to stop windows from updating to newer version of the driver; Control Panel > Advanced system settings > Hardware > Device Installation Settings > click No (I have tested this for awhile now and had no problems).

Shaun VK4NSP



## Hack4Rum

Offering free forums on hacking, programming, forensics and networking based topics

<https://hack4rum.com/>

## 17th International EME conference - Venice 2016

Sessions Video Part 1 & 2

<http://www.eme2016.org/>

## IP-Radios - The New Studio-Transmitter Link

If a line-of-sight path is available between studio and transmitter sites, or even via an intermediary "hop" point, the option opens to consider installing IP radios.

<http://blogs.telosalliance.com/ip-radios-the-new-studio-transmitter-link>



Hamplus was founded in the beginning of 2008 by two Hamradio operators, Celso PP5CFS and Marcus PP5MS, both with wide experience (more than 35 years) in digital, electronics, R.F. and digital logics.

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

## G4CQM's Amateur (Ham) Radio VHF/UHF Yagi Antenna Projects

Why are my yagis so special? - Average Q-factor is low delivering a measured degree of stability in all weather. I use a range of Software to ensure accuracy, including K6STI's unique AO Professional. Many of my designs have the cleanest patterns as seen in TANT. There is no need for a Balun either, making DE construction very easy indeed!

<http://g4cqm.www.idnet.com/>

## Ham Operator Activities and Information

This website is a collection of information on various Ham radio topics for the HamOperator. A launch pad to various topics and information.

<http://www.hamoperator.com/Hamoperator/HamOperator.com.html>



MMDVM :: Open Source Multi-Mode Digital Voice Modem  
[mmdvm.blogspot.com.au](http://mmdvm.blogspot.com.au)

## Making the Perfect Website: Web Design & Styling Guide

<http://www.onblastblog.com/how-to-make-a-website>



### All About Circuits

Engineering Calculators and more. This is a great site with electronic information and circuits.  
<http://www.allaboutcircuits.com/tools/>



Leaked manuals confirm Stingrays can be used for mass surveillance, bypass smartphone security. Nearly four years ago, the Electronic Privacy Information Center released FBI documents discussing a controversial [surveillance](#) technique. Both federal and local authorities often have access to cell phone surveillance hardware, dubbed Stingrays (Harris Corp. refers to them as StingRays), that can be used to intercept and spy on communications from smartphones and other devices equipped with 3G or LTE modems.

<http://www.extremetech.com/extreme/235462-leaked-manuals-stingrays-mass-surveillance-bypass-smartphone-security>



**ROCKBY** Est. 1987  
Electronic Components  
PH: (03) 9562 8559 FAX: (03) 9562 8772

ABN# 3991 7350 807

<https://www.rockby.com.au/Index2012.cfm>

#### Showroom Location

56 Renver Road  
Clayton, 3156

Trading Hours:

Mon-Fri: 8:30am - 4:30pm  
Saturday: 9am - 12pm

ACN# 006 829 821

## Past VHF history in pictorial form on the web

Hi all,

I think we could agree that past VHF conventions, VHF contesting and VHF distance records all go hand in hand and old photos of history can get misplaced and lost. So Tom Bevan ZL1THG and I had an idea to place something up on the web to record in one place. A collection of past pictures showing early circa 1980 +/- VHF pictures.

Another idea was formed to get this webpage up on a central point and the NZART website was chosen under its history page. Thanks to Alan Wallace ZL1AMW our webmaster for the URL link.

The history page site is here <http://www.nzart.org.nz/info/history/#VHF>

And the web page is here <http://zlvhfhistory.yolasite.com/>

If you have any old historical pictures and wish to add to the pictorial; please send with a caption line to [stephen\\_hayman@xtra.co.nz](mailto:stephen_hayman@xtra.co.nz). I'm more than happy to add your first name and callsign or if from a VHF group or any group or club will do so in the top menu.

Stephen Hayman - ZL1TPH

20 July 2016

[stephen\\_hayman@xtra.co.nz](mailto:stephen_hayman@xtra.co.nz)

## 73 Magazine (Amateur Radio Today)

73 Magazine (also known as 73 Amateur Radio Today) (OCLC 22239204) was a United States-based amateur radio magazine that was published from 1960 to 2003.

<https://archive.org/details/73-magazine>

Richard VK4ZA home brew competition winner





# 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 144.300 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

## 2016 dates

September 23-25 VK4 Central Highlands Amateur Radio Club AGM weekend

Lake Maraboon Holiday Village, near Emerald. <http://www.tarc.org.au/>

September 30 to October 3 VK4 Cardwell Gathering Long Weekend, Beachcomber Motel

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

October 14th, 15th & 16th 2016 JOTA-JOTI <http://jotajoti.info/>

## Contests 2016

Aug 27-28 36th ALARA Contest <http://www.alara.org.au/contests/>

## VHF-UHF Field Days

Spring 2016 - Saturday 26 and Sunday 27 November.

Summer 2017 – Saturday 14 and Sunday 15 January.

Winter 2017 – Saturday 24 and Sunday 25 June.

Spring 2017 – Saturday 25 and Sunday 26 November.

Summer 2018 – Saturday 13 and Sunday 14 January.

Winter 2018 – Saturday 23 and Sunday 24 June.

Spring 2018 – Saturday 24 and Sunday 25 November.

Summer 2019 – Saturday 12 and Sunday 13 January.

Winter 2019 – Saturday 22 and Sunday 23 June.

Spring 2019 – Saturday 23 and Sunday 24 November.

Summer 2020 – Saturday 18 and Sunday 19 January.

Winter 2020 – Saturday 20 and Sunday 21 June.

Spring 2020 – Saturday 28 and Sunday 29 November.



## QDG information

### QDG meeting dates 2016

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

Unless otherwise noted, QDG group general meetings are held on the third Friday of the month at the Redcliffe Club rooms

The club is located at MacFarlane Park in Klingner Rd, Kippa Ring.(UBD Map 91 Ref G 1)

<https://www.google.com.au/maps/place/MacFarlane+Park,+Kippa+Ring+QLD+4021/@-27.2214151,153.0882619,17z/data=!4m2!3m1!1s0x6b93e5f47d867511:0xe926a70030364326>

### QDG Membership

QDG Membership is presently free.

As of June 2015 the QDG has 65 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.

### Alan Simpson memorial home brew competition

August QDG general meeting [www.qdg.org.au](http://www.qdg.org.au)

## 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: John VK4CJO  
Phone: Alan Wills VK4NA 61 07 3491 8032  
Mobile: 0401 716 778  
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 2016

Please check the SEQATV [Web site](#)

Unless otherwise noted, SEQATV group general meetings are held on the first Tuesday on the month at the Redcliffe Club rooms

The club is located at MacFarlane Park in Klingner Rd, Kippa Ring.(UBD Map 91 Ref G 1)

<https://www.google.com.au/maps/place/MacFarlane+Park,+Kippa-Ring+QLD+4021/@-27.2214151,153.0882619,17z/data=!4m2!3m1!1s0x6b93e5f47d867511:0xe926a70030364326>

### 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 2016

### 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: Bruce Jones VK4EHT  
Treasurer: Andy Beales VK4KCS

**Coopted Officers:-**

Callback Officer: Peter Jones VK4YAC

Vice President: Alan Wills VK4NA

Assistant Secretary Bill VK4ZWJ

Additional coopted officers will be added as required.

**SEQATV group Contact Information**

South East Queensland Amateur Television Group

**PO Box 643 Kallangur, Qld 4503, Australia**

Amateur Eye (club mag) Phone: Alan Wills VK4NA 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 \*\***