



*** QDG DIGIPEAT March 2018 ***

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

March QDG Meeting

The Next QDG general meeting will be held on Friday March 16 at the **Chermside Library**,
375 Hamilton Rd, Chermside QLD 4032

Car park off Kittyhawk Drive

Doors will open at 7:00pm for a meeting start of 7:30pm.
If the door is closed please phone Alan 0401 716 778

Editorial

I've moved house and managed to keep my sanity – I think.
No antenna up yet and I'm just getting the Office / Shack together.

Alan VK4NA



WIA Radio and Electronics Convention and AGM

18th, 19th and 20th of May 2018

SeaWorld - Gold Coast Queensland

The WIA Annual General Meeting (AGM) and Technical Forum will be held over the weekend of
18th, 19th and 20th May 2018 at SeaWorld on the Gold Coast.

This years event is being organised by the Gold Coast Amateur Radio Club (GCARC) with most of the
weekends activities taking place at the Sea World Resort. Accommodation is available at the Sea
World resort as well as a number of hotels, caravan parks and venues within close proximity. As has
become the tradition, there will be a Friday night dinner this will lead into a full day on Saturday with
a field day on the Sunday and many unique tours.

<https://www.wia.org.au/joinwia/wia/2018agm/>

VK4ZZ's Amateur Radio Packet Data Reporting System

(APRS) UI-View32 V2.03 iGATE with webserver Townsville Australia

APRS Resources

VK4 APRS Website

VK APRS Website

WB4APR APRS Protocol

APRS Wiki

APRS-IS Website

MOCYP UI-View Resource

Packetograph for Mac OS-X

Xastir for Linux

WX Server Australia

KC2RLM Soundcardpacket

Byonics for TinyTrak

Argent for OpenTracker

SV2AGW for AGWTracker

Fox Delta for APRS Tracker

CrossCountryWireless

KA9MVA for HamHUD

APRS Symbols Primer

Other Ham Radio links

VK4ZZ Netspace

VK4ZZ Facebook

ISS Sightings for Townsville

IRLP Node 6444 site

theTARCinc Website

theTARCinc Facebook

Central Hlands Yahoo

WIA Website

VK6AAL WW SSTV

VK4MDX Kelso SSTV

VK4DA Killarney SSTV

more of ogs web pages

<http://vk4zz.no-ip.org/>

VK4KHZ

Station location: Glenden Queensland Australia QG48BU

Operator: Shane Lynd, VK4KHZ

VK4KHZ is an ARISS VHF-UHF telebridge station as well as a HamTV ground station.

Below is a summary of the HAMTV equipment and any relevant findings observed or experienced during set-up at VK4KHZ in Queensland Australia.

<https://www.amsat-on.be/hamtv-summary/vk4khz/>



UAV & Communications Specialists

NUAND BladeRF Software Defined Radios

An Open Education

bladeRF is a Software Defined Radio (SDR) platform designed to enable a community of hobbyists, and professionals to explore and experiment with the multidisciplinary facets of RF communication. By providing source code, thorough documentation, easy to grasp tutorials, and a place for open discussion modern radio systems will be demystified by covering everything from the RF, analog, and digital hardware design to the firmware running on the ARM MCU and FPGA to Linux kernel device drivers.

<https://www.silvertone.com.au/content/nuand-bladerf-software-defined-radios>

Google Announces 'Bristlecone' Quantum Computing Chip

The new chips are being operated in Google's Quantum AI lab right now. Google researchers have also developed new benchmarking tools specifically for measuring the performance of Bristlecone. It's possible Google will announce significant breakthroughs in the coming years thanks to this new quantum hardware. However, it might take quite a bit longer before quantum computing affects your life.

<https://www.extremetech.com/extreme/265105-google-announces-bristlecone-quantum-computing-chip>

China's first space station will hit the Earth's atmosphere soon

There's a space station in a decaying orbit. It's going to fall back to Earth. And we don't know where or when it will hit.

<https://www.engadget.com/2018/03/08/china-tiangong-1-space-station-uncontrolled-reentry/>

Microsoft's Windows Defender ATP Catches Law Enforcement Spyware

Microsoft has announced that its Windows Defender Advanced Threat Protection (ATP) is good enough to pick up on malware created by FinFisher.

<https://www.extremetech.com/computing/265074-microsofts-windows-defender-atp-good-enough-catch-law-enforcement-spyware>

VK3RMH 6m repeater

VK3RMH 6m repeater is up and running. 52.550 input and 53.550 output. No tone
Vk3awg via Facebook

DMR-Radios Australia

Digital mobile radio (DMR) is an open digital mobile radio standard defined in the European Telecommunications Standards Institute (ETSI) Standard TS 102 361 parts 1–4 and used in commercial products around the world.

DMR-Radios Australia provide high quality DMR radios and Hotspots to the Amateur radio community in Australia.

<http://www.dmr-radios.com/>

60dbmcom

RF items for sale on ebay

<https://www.ebay.com.au/usr/60dbmcom>

Arrow Electronics

Arrow Electronics is a global provider of products, services, and solutions to industrial and commercial users of electronic components and enterprise computing solutions.

<https://www.arrow.com/>

Semi-vertical trap antenna

<https://www.dxzone.com/dx7490/semi-vertical-trap-antenna.html>

Ladder Line

Why Use Ladder-Line?

To efficiently feed a non-resonant multi-band antenna.

<http://kv5r.com/ham-radio/ladder-line/>

K3FEF WebSDR

This receiver consists of multiple RTL-SDR Ver.3 dongles fed from an HF LNA attached to a G5RV antenna located in Milford, Pennsylvania - Northeastern USA. It is operated by Michael - K3FEF and his XYL, Tanya - W3TKP.

<http://k3fef.com:8901/>



RF Explorer 6G Combo Spectrum Analyser

RF Explorer 6G Combo Spectrum Analyser with 15-2700 MHz and 4850-6100 MHz Frequency Range - Australian Local Stock

RF Explorer is a hand-held digital spectrum analyser, a very affordable tool for work in all popular frequency bands. It is based on a highly integrated frequency synthesizer and double balanced mixer which offers high performance, compact size, low consumption and low cost. It has been designed to be used equally well outdoor and indoor, and can be connected to a PC for extra functionality using standard mini-USB 2.0 connector.

<http://www.soundlabsgroup.com.au/p/RF-Explorer-6G-Combo/RF+Explorer+6G+Combo+Spectrum+Analyser>

Using the earth as an antenna!

<https://m.youtube.com/watch?v=jHK7kKsVVw0&feature=share>

Brisbane going MAD

The Brisbane VHF-group are coordinating another of the regular microwave activity days (MAD) on Sunday 8th April.

A number of portable and home microwave stations will be on air from a variety of mountaintop locations across SE Queensland with activity anticipated from 1296 upwards.

Other stations nearby or interstate are invited to join in on the day.

Further details of the intended activity and the proposed locations will be available closer to the date on the BVHFG Face book page and/or website <http://brisbanevhfgroup.com/>

Get the gear out and join in while we still have reasonable Wx and propagation.

KJ VK4UH
OBO BVHFG



Ukraine ham radio developers site.

Radio kits

<https://vhfdesign.com/>

Radio Mobile Prediction Software

A nifty freeware bit of (windows) software for hams and other radio people is called "[Radio Mobile](#)". This tool allows you to simulate and map predicted coverage of your location using terrain and clutter data and maps expected coverage into Google maps.

<http://www.vk3bq.com/2013/12/01/radio-mobile-prediction-software/>

ACMA Radcom Database

Register of Radiocommunications Licences

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.

Brisbane 160m net

Monday nights at 7:30pm local 1.848 MHz. LSB

SEQATV Club Net

Wednesday nights

7:30 PM EST on VK4RRC 146.925MHz repeater

2018 dates

September 8, SUNFEST at Woombye, <http://www.vk4wis.org>

November 10, GCARS Hamfest, Albert Waterways Community Hall, <http://www.gcars.com.au>

VK & ZL Ham Fests & Events for 2018 <http://www.vk4ice.com/hamfests.htm>

Contests 2018

VHF-UHF Field Days

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.

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

QDG information

QDG meeting dates 2018

January 19

February 16

March 16

April 20

May 18

June 15

July 20

August 17

September 21

October 19

November 16

December 21

Unless otherwise noted, QDG group general meetings are held on the third Friday of the month at the **Chermside Library**, Brisbane.

Doors will open at 7:00pm for a meeting start of 7:30pm.

QDG Membership

QDG Membership is presently free.

As of June 2017 the QDG has 71 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 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 <http://www.qdg.org.au/qdgmcs.html>

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

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

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

QDG
11 Kroning Court
Petrie QLD 4502
Australia

South East Queensland ATV group Information

SEQATV meeting dates 2018

Please check the SEQATV [Web site](#)

Unless otherwise noted, SEQATV group general meetings are held on the first Tuesday on the even months at the Redcliffe Club rooms, that is every second month, please see the club Web site for details.

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

7:30 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

Postal address now 129 Prior St, Tarragindi. 4121

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

Email: secretary@seqatv.org

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

Enjoy your hobby!

73 Alan VK4YAR / VK4NA

*** Queensland Digital Group ***

*** SEQATV group ***

** Supporting Radio Communications in VK4 **