



*** QDG DIGIPEAT June 2017 ***

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

June QDG Meeting

The Next QDG general meeting will be held on Friday June 16 at the **Chermside Library**.
Doors will open at 7:00pm for a meeting start of 7:30pm.
If the door is closed please try the buzzer or phone Alan 0401 716 778

Editorial

Change of meeting venue back to the NEW Chermside Library

Due to popular demand, the QDG meetings are moving to the new Chermside Library from the April meeting.

This means I will be looking for members to share picking up the access card and a supper person for each month.

Alan VK4NA



SQL Tutorial for Beginners Learn in 7 Days

<http://www.guru99.com/sql.html>

Guru99

Guru99 is totally new kind of learning experience.

Here you learn by practice. We make tons of efforts to take boredom out of learning and make education a fun experience.

Inside, you will find tons of video tutorials

All provided FREE!!!

<http://www.guru99.com/>

Introduction to Cascading Style Sheets (CSS)

Learn CSS Today In 7 Easy Steps (Complete With Code Examples)

<http://www.hostingreviewbox.com/introduction-to-cascading-style-sheets-css/>

Off Center Fed (OCF) Dipole Antennas

Whereas a Dipole is a half-wavelength long radiator, fed in the Center of two equal length legs, the Off-Center-Fed Dipole (which I prefer to call a WINDOM) is a Dipole whose feedpoint is at a point removed from the center of the antenna.

<http://www.dj0ip.de/off-center-fed-dipole/>

Signal generator software

Links to software

http://www.dxzone.com/catalog/Software/Signal_Generator/

VE7BQH antennas table (144 MHz)

144 MHz Yagi antenna comparative chart and G/T simulations of a 4 bay array of Yagi antennas on 2 meters, 144.1 MHz

Issue 101/ March 2017

<https://www.dxmaps.com/VE7BQH.html>

How to re-activate Windows 10 after a hardware change

Have you made hardware changes to your PC and now you can't activate? In this guide, we'll show you the steps to use the Activation Troubleshooter to re-activate Windows 10.

<http://www.windowscentral.com/how-re-activate-windows-10-after-hardware-change>

RIP Government Accountability in Australia: A Privacy Guide for Journalists

<http://www.sydneycriminallawyers.com.au/blog/rip-government-accountability-in-australia-a-privacy-guide-for-journalists/>

Surplus Parts & Equipment

Dr Alex UR4LL has quite a few Russian electronics parts and some equipment for sale. The list is updated periodically, and some items have pictures (click on links for details and/or pictures of each item)

<http://www.ur4ll.net/>

SV1AFN Design Lab

Projects & Articles

<https://www.sv1afn.com/projects.html>

There's now a tool to test for NSA spyware

A script that detects a related code implant has shown as many as 100,000 systems worldwide may be infected

http://www.computerworld.com/article/3191729/security/theres-now-a-tool-to-test-for-nsa-spyware.html?utm_content=buffer71d4f&utm_medium=social&utm_source=facebook.com&utm_campaign=buffer

vk5pas

amateur radio

<https://vk5pas.org/>

Thingiverse

Use your 3D printer

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

Wolphi-Link interface

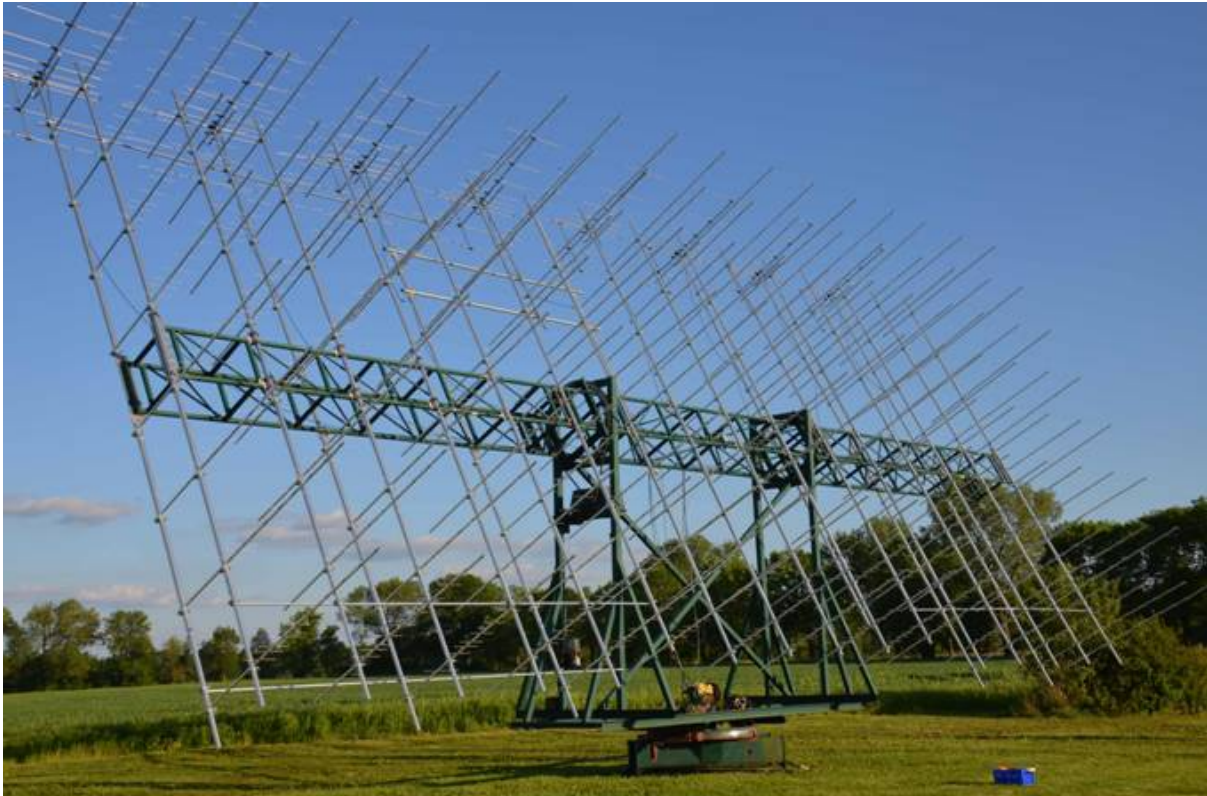
Plug & Play Interface for Android Smartphones to Yaesu FT817, FT857 and FT897 as well as IC-703 and IC-706 radio's

<http://www.wolphi.com/interface>



LMX2594EVM 15GHz Wideband RF Synthesizer with Phase Synchronization & JESD204B Evaluation Module

<http://www.ti.com/tool/lmx2594evm>



New antenna project, or when 16 yagies are not enough.
And if someone is a bit crazy !!!

<http://dl7apv.de/Neue%20Antennen/Neue%20Antennen.htm>

Tuning to Terahertz Electronics

The terahertz (THz) region (nominally 0.1-10THz) separates electronics from photonics, and has historically been difficult to access.

Terahertz electronics technology opens up practical applications in high-speed data interconnects, THz imaging, and highly-integrated radar and communication systems.

<http://electronicsforu.com/technology-trends/tuning-terahertz-electronics>

Australian Local government areas (LGA)

A clickable map of shire boundaries

<https://nationalmap.gov.au/#share=s-07GNUc52y4m7WTKuiyq1fk3ZhzX>

WWFF and SOTA Information

<http://parksnpeaks.org/showShire.php>

THE AMP HOUR ELECTRONICS PODCAST

Show 345 – Milling About

<http://theamphour.com/show-345-milling-about>

It's Not Your Microphone -- It's You!

Those of us who foray into the “phone” bands have all heard some G-dawful modulation.

There are the “wi-fi audio guys” who, to me, sound like fingernails scratching a chalkboard, but I'll admit some like the way that stuff sounds. I don't, but that's neither here nor there.

There are the overprocessed guys who have fallen victim to AKTR* Syndrome, and as long as they believe what they do, will never, ever sound good.

<http://www.eham.net/articles/8069?ehamsid=0r1jnv1h47kvmr1sh5um9763t7>



'Driving Your Radio
Communications Forward'

Now Stocking
FlexRadio Systems®
Software Defined Radios

RSGB Convention lecture 2015 - Clean up your shack

Reduce Noise Levels on Receive

Avoid Causing FR Interference

<https://www.youtube.com/watch?v=LSL1h6MJbaI&app=desktop>

VK5DJ

Projects by John F Drew

In these pages you will find a range of projects, many PIC© based, while others are software only.

<http://www.vk5dj.com/>

Moon tracking DLL

A DLL to provide information about the moon or sun for program developers

<http://www.vk5dj.com/moontrack.html>

Top 10 Free Alternatives To Expensive Software

Unless you have a company buying licenses for you, tools like Photoshop, Pro Tools, Maya, or even Windows can be a serious bite out of your wallet. Here are some more affordable options to those normally pricey apps that will help you stop fretting and get more done.

<https://www.lifehacker.com.au/2017/01/top-10-free-alternatives-to-expensive-software/>

The 7 Best Free Open Source Programs To Replace Commercial Windows Software

Although Windows is not a free operating system, it has become a standard simply because it comes pre-installed with most new computers. In the past, this meant you also had to get matching commercial software, which often came at a hefty price tag. Fortunately, the open source movement and the Internet changed the game.

<http://www.makeuseof.com/tag/7-free-open-source-programs-replace-commercial-windows-software/>

Open Source Software List: The Ultimate List

It's become an annual tradition at Datamation to publish a complete roundup of all the open source projects we've featured throughout the year. This year's update includes a vast trove of open source software: 1,343 different projects, from 138 different categories, including two brand new categories.

<http://www.datamation.com/open-source/open-source-software-list-ultimate-list-1.html>

Eight free open source alternatives to Windows 10: What's the best alternative to Windows OS?

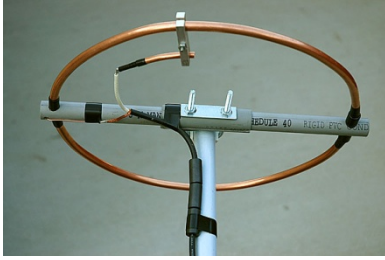
Windows 10 has generally be viewed as a welcome successor to Windows 8, both by businesses and individuals. However it has also come under scrutiny from users that are concerned about data privacy. So why not opt for a free Windows 10 alternative?

<http://www.computerworlduk.com/galleries/applications/-free-alternatives-windows-10-3639433/>

IRN Server. Talking to the World for Free

Using a smart phone, PC, tablet or Linux machine to talk to RF stations around the World.

https://m.youtube.com/watch?v=H5uSvC_V7Us



2 Meter Halo Antenna by Mike Fedler N6TWW

"Including descriptions so you can build your own"

http://fedler.com/radio/2m_loop.htm

Are Your Capacitors Installed Backwards? Build this and find out

If you have been installing, orange dip, brown dip, green dip capacitors over the years, have you been installing them the right way? Even the little yellow ones have polarity in circuit. Find out how to test your capacitors before you install them.... Then build this test fixture to make it even easier.

https://m.youtube.com/watch?v=BnR_DLd1PDI&feature=share

Raspberry Pi Workshop for Beginners

Welcome to the Raspberry Pi Workshop for Beginners! Here you'll be able to follow along with our series of bite-sized videos that cover everything you'll need to know to get started with your Raspberry Pi, and start making awesome projects.

<https://core-electronics.com.au/tutorials/raspberry-pi-workshop-for-beginners.html>



Retrotechtacular: The Transistor (1953 Film)

<http://hackaday.com/2017/05/29/retrotechtacular-the-transistor-1953-film/>

Advanced theory trial exam 1

<https://amateurradio.com.au/licence/advanced/trial-exam-1>

High speed Ax25 network in Slovenia

Hardware & Software in our high speed AX25 network developed by Dr.Matjaz Vidmar, S53MV

<http://lea.hamradio.si/~s51kq/PACKET.HTM>

HSDR

HSDR is a freeware Software Defined Radio (SDR) program for Microsoft Windows 2000/XP/Vista/7/8/8.1/10.

Typical applications are Radio listening, Ham Radio, SWL, Radio Astronomy, NDB-hunting and Spectrum analysis.

HSDR (former WinradHD) is an advanced version of Winrad, written by Alberto di Bene (I2PHD).

<http://www.hdsdr.de/>

The Original HamExam now as an App!

Since 2001, HamExam has been available for the PC to help prepare prospective Amateur Radio operators for their exams. Now HamExam is available as an App!

<https://play.google.com/store/apps/details?id=com.arcompanion.hamexam.trial>

Ham Radio Quiz: Foundation, Standard and Advanced Trial Test

By Matthew Raftery

Ham Radio Quiz tests your knowledge on the Australian foundation, standard and advanced test which are used in order to obtain an amateur radio license.

<https://itunes.apple.com/app/id905849343>

When to defrag a hard drive, TRIM an SSD and perform other storage tasks, or not

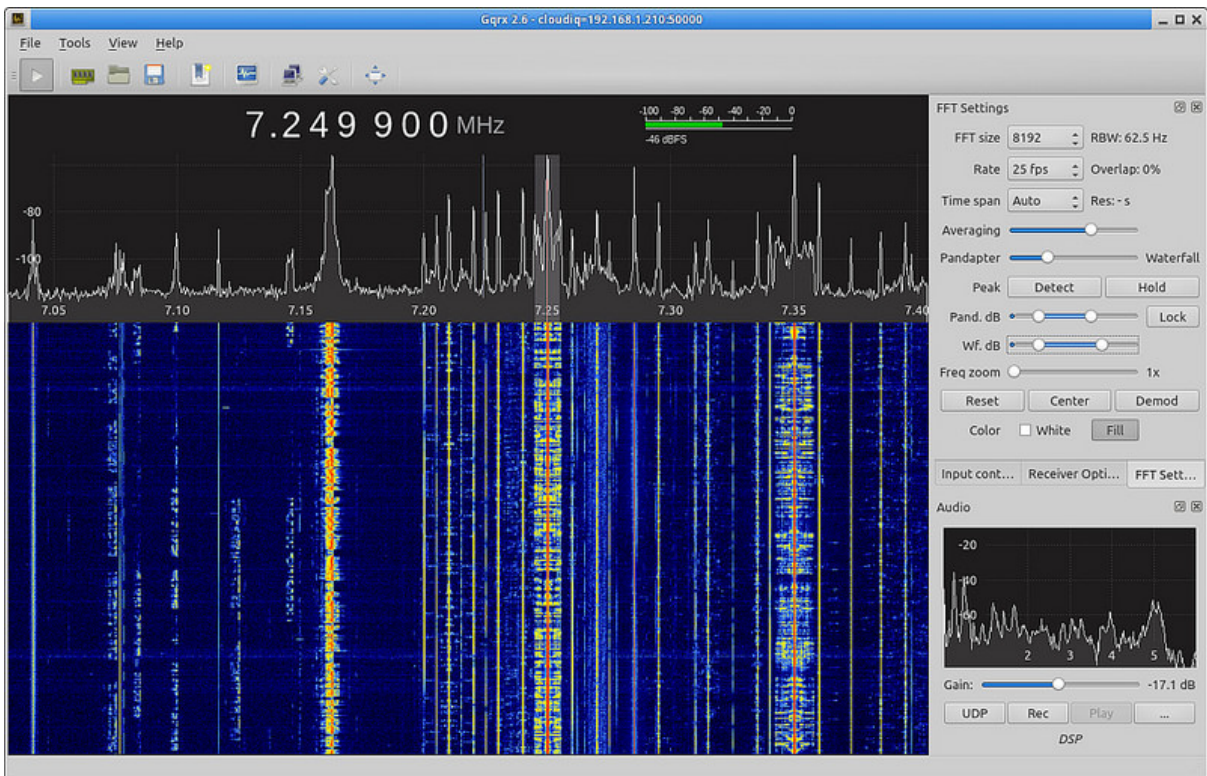
<http://www.pcworld.com/article/3188460/storage/when-to-check-defrag-and-optimize-storage-devices.html>

ACCAN logo [Link: ACCAN homepage]

Your consumer voice on phones and internet

Recently ACCAN has heard increasing reports about fraudulent mobile number porting and identity theft.

<http://accan.org.au/hot-issues/1385-fraudulent-mobile-number-porting-and-identity-theft>



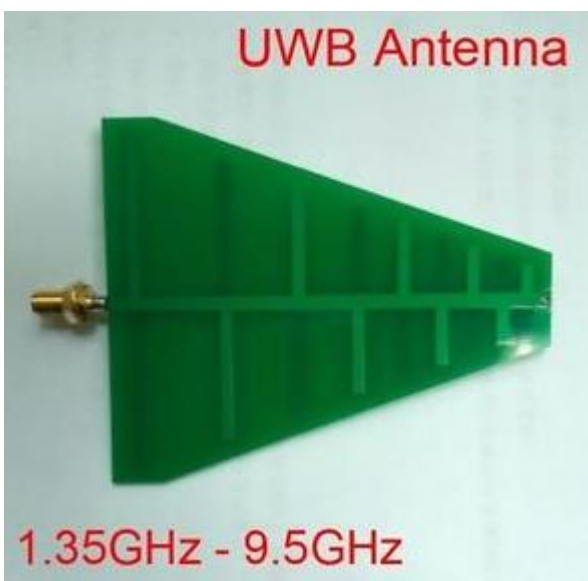
Welcome to gqrx

Gqrx is an open source software defined radio receiver (SDR) powered by the GNU Radio and the Qt graphical toolkit.

Gqrx supports many of the SDR hardware available, including Airspy, Funcube Dongles, rtl-sdr, HackRF and USRP devices. See supported devices for a complete list.

Gqrx is free software, licensed under the GNU General Public license allowing anyone to fix and modify it for their use.

<http://gqrx.dk/>



15W 1.35GHz-9.5GHz UWB Antenna Logarithmic Antenna

<http://www.ebay.com.au/itm/172554033459>

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

8:00 PM EST on VK4RRC 146.925MHz repeater

2017 dates

22 July 2017 Caboolture Hamfest <http://www.vk4qd.net/>

9th September 2017 SUNFEST, Woombye <http://vk4wis.org/>

11th November 2017 Gold Coast Hamfest, Broadbeach Qld <http://www.gcars.com.au/hamfest-2017>

VK & ZL Ham Fests & Events for 2017 <http://www.vk4ice.com/hamfests.htm>

Contests 2017

July 15 2017 Trans-Tasman Low-Band Contest

Start Time is 08:00 UTC and finish time is 14:00 UTC

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

12th & 13th August Remembrance Day Contest

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

19 August to 2400 UTC 20 August 2017 (48 hours) International Lighthouse Lightship Weekend

<https://illw.net/>

VHF-UHF Field Days

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.

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

QDG information

QDG meeting dates 2017

January 20

February 17

March 17

April 21

May 19

June 16

July 21

August 18

September 15

October 20

November 17

December 15

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
37 Evergreen Parade
Griffin QLD 4503
Australia

South East Queensland ATV group Information

SEQATV meeting dates 2017

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

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

Enjoy your hobby!

73 Alan VK4YAR / VK4NA

*** Queensland Digital Group ***

*** SEQATV group ***

** Supporting Radio Communications in VK4 **