



*** QDG DIGIPEAT July 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

July QDG Meeting

The Next QDG general meeting will be held on Friday July 17 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://plus.google.com/106119512431582251982/about?gl=au&hl=en>

Editorial

Please remember that this will be the second meeting at our new venue at the Redcliffe club rooms. The Redcliffe & Districts Radio Club Inc has offered the use of their club rooms from our June meeting onwards; Both the QDG and SEQATV clubs will be meeting at the Redcliffe club rooms from June. The meeting days and times will remain the same for both clubs unless advised otherwise.

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/>

The club has a new Post Office box 674 Kallangur, Qld 4503.

Club election, new officers are listed in the information section of this newsletter.

New meeting venue from June, we now meet at the Redcliffe club rooms.

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



IRoQ 2015

International Rally Of Queensland
Brisbane Area WICEN Group Inc

The latest information and pictures from past events can be found at

<http://www.qdg.org.au/qdgcar.htm>

More Operators wanted; can you help? We would dearly like to have more operators to assist with IRoQ2015. If you are interested please contact Bob Guppy VK4ZL at bob_vk4zl@bigpond.com



TAPR

Digital Communications

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



The BBS Corner

The Original Social Network - Bulletin Boards!

Bulletin Board Systems in 2013? You bet! A lot of people thought that the Bulletin Board died when the Internet came of age in the mid 1990s. Sure, there are a lot less BBSes than in 1996 - but progress has been made. Almost all BBSes are now available on the Internet. Imagine playing LORD on a BBS in Canada, posting a message on a BBS in Finland and downloading a shareware game from the United States? With the Internet, BBSing has actually improved!

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

Telnet & Dial-Up BBS Guide

The Telnet BBS Guide is the largest active listing of Dial-Up and Telnet accessible Bulletin Board Systems on the Internet! We list a total of 365 BBS and related systems with brief and detailed descriptions and a downloadable text-version listing suitable for listing on your BBS or for as a download for others to view and use.

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

What is Packet Radio?

Packet radio is a development of RTTY, invented in the 1970 by workers at the University of Hawaii. Like RTTY, it is an FSK (frequency shift keying) system, but it differs from RTTY in two respects. The speed of data transfer is much faster than traditional RTTY, and the data is sent in blocks, or "packets" rather than in a continuous stream.

<http://www.wia.org.au/members/digital/packet/>

Packet Radio - VK4FAQ

Anybody at all familiar with digital communications, will know of packets. Data are sent in discrete bundles, called packets, which can be individually checked for integrity and acknowledged (or NAK'ed), and processed, or routed on to somewhere else. Packet radio is exactly the same thing, except that the packets fly through the air with the greatest of ease, instead of being sent over wires.

<http://vkfaq.ampr.org/specpack.php>

Ampr-Gateway-Pages

BBS locations, Gateways, AXIP Links, information.

http://www.ampr-gates.net/frame_e.htm





JERSEY SHORE AMATEUR RADIO SOCIETY
Serving the Jersey Shore for over 35 years.

NJ2AR



Packet Radio BBS

Before the internet became a public resource, the amateur radio community created their own network infrastructure, communicating via the packet radio network. Within this worldwide network, private and public messages can be exchanged using packet radio bulletin board systems. These packet radio BBS systems exchange messages using a store and forward system, so messages can be distributed worldwide. Even if now the internet has taken over the main role, the packet radio BBS network is still active. In order to provide access to it's information resources, many sysops have set-up an interface to display current and historical public articles. Since it (mostly, but not always) contains very valueable information, their main focus has been put on creating a searchable interface to this whole bunch of information.

http://www.ampr-gates.net/bbs/frame_e.htm

Packet BBS Information

The NJ2AR-4 Packet BBS is running the F6FBB Packet BBS on top of a Flex-Net node. The user frequency for accessing the node is 145.030 MHz. Connect to NJ2AR and then "connect nj2ar-4" for the BBS. The message base normally stores more than 1000 messages ranging from "SALE" items to general information about amateur radio. So if you are in search of anything concerning our hobby, warm up your TNC and connect to your local packet bulletin board system for latest scoop!

<http://www.jsars.org/?q=node/13>

Amateur Radio in Australia - VKFAQ

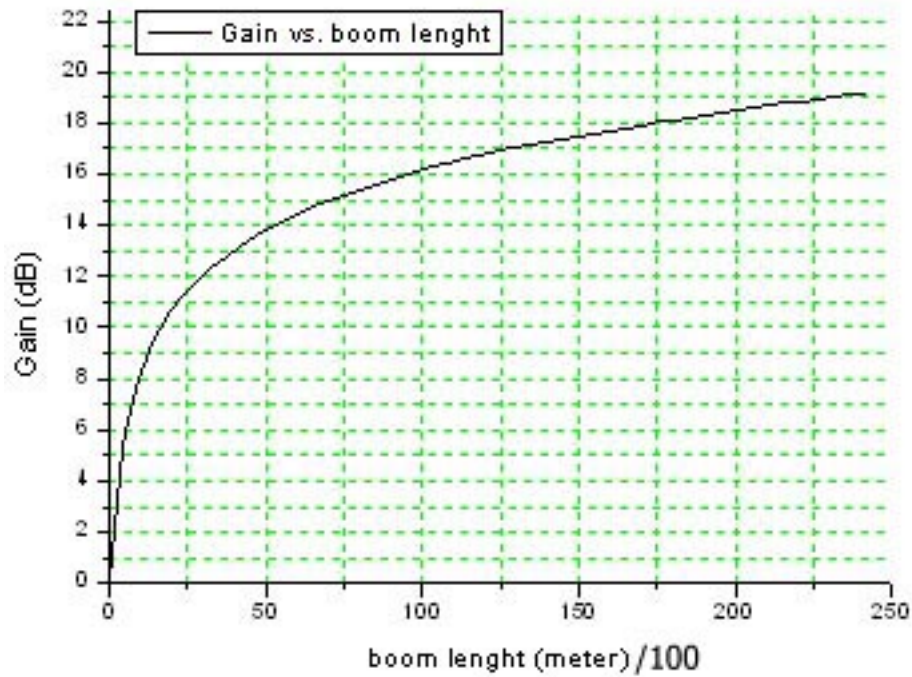
This website provides information about Amateur Radio to help you know what Amateur Radio is, why people get involved in it and some examples of the many varied activities radio amateurs get involved with. It also provides information useful for Australian radio amateurs about where to get more information, national and local amateur radio associations, where to find equipment and how to use it.

<http://vkfaq.ampr.org/specpack.php>

Learn to code interactively, for free

Html css java (all kinds) php ruby sql api's etc etc. Courses are all free, all browser native environment, and you can choose to skip ahead/review any lesson.

<http://www.codecademy.com>



Constructing a 23cm Yagi antenna

http://df2ck.de/tech/23cm_yagi/23cm_yagi.html

VK5DJ's yagi software

Yagi Calculator by John Drew

DL6WU style yagis for VHF/UHF

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

23cm /1296MHz Field Day Yagi

Doug VK4ADC

<http://www.vk4adc.com/web/index.php/vhfuhf-projects/22-1296-antennas/53-23cm-fd-yagi>



VK2RMB gets wifi

A pair of Ubiquiti NanoBeam M5-16 NBE-M5-16 are used for the 7Km link

<http://www.mwrs.org.au/2015/05/03/vk2rmb-gets-wifi/>

How To Make a cheap Wireless LAN 6dbi Colinear Antenna

This is an short description on how to make a cheap omni antenna for 802.11 wireless LAN cards.

<http://cheatthezone.tripod.com/wireless/colinear.html>

Build A 9 dB, 70cm, Collinear Antenna From Coax

This article describes a collinear antenna made from very inexpensive RG58/U coaxial cable and encased in PVC pipe

<http://www.rason.org/Projects/collant/collant.htm>

UZ7HO

Software Packet-Radio TNC

Software dual-port Packet-Radio TNC that uses a soundcard as a modem and supports AX.25 protocol. The software Packet-Radio TNC uses the AGW Packet Engine API and emulates the AGW Packet Engine (TCP/IP interface).

<http://uz7.ho.ua/packetradio.htm>

ZL2AFP FSQ

Fast Simple QSO (chat) mode for HF and VHF

FSQ is a Fast Simple QSO mode designed specifically for HF. It works well under NVIS and sunrise/sunset conditions on the lower bands, and also works well for short skip and grey-line on

higher bands. It can also be used on VHF FM, and clearly has a much wider useful range of operating conditions than other more conventional digital modes. FSQ transmission is also well within the capability of micro-controller based devices for low-power propagation transmissions (MEPT and telemetry). The FSQ modulation, coding and FSQCall protocol are publicly disclosed and described, and the software is open source.

FSQ was developed by Con Wassilieff ZL2AFP with the assistance of Murray Greenman ZL1BPU. The first QSO took place between these two on 28th November 2014, and the first Alpha executable release was on 17th December 2014. The source code was released with the Beta version 0.23 on 3rd March 2015. The first US version release (V0.24 RC1 by Bob NW8L) was on 29th March 2015. The first full-package public release was by Bob NW8L on 29 April 2015.

FSQ is intended for fixed frequency (channelized) operation, with dedicated calling frequencies. It isn't intended as a 'tune around to see what you can find' mode!

<http://www.qsl.net/zl1bpu/MFSK/FSQweb.htm>

Amateur 70CM Band Repeater Coaxial Collinear Whip

<http://zl2vh.org.nz/assets/pdf/other/climie-70-cm-band-repeater-antenna.pdf>

HamTV Project to Open 'A New Era' for

HamTV is an Amsat Italia project developed within the ARISS/ArCOL WG, its purpose is to transmit digital video from the International Space Station as a complement of the half duplex voice link carried out within the ARISS school contacts activities.

<http://www.issfanclub.com/node/36664>



ARISS

New LCD for Amateur Radio

Radiocommunications Licence Conditions (Amateur Licence) Determination 2015 - F2015L01113

<https://www.comlaw.gov.au/Details/F2015L01113>

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.

SEQATV Club Net

Wednesday nights

8:00 PM EST on VK4RRC 146.925MHz repeater

2015 dates

July 11-12 VK3 GippsTech 2015

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

July 18 VK4 Caboolture Hamfest

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

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

Remembrance Day Contest

August 15th & 16th

<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

New Venue - Redcliffe club rooms

June 19

July 17

August 21

September 18

October 16

November 20

December 18

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

New meeting venue from June 2015; Redcliffe club rooms.

The club is located at MacFarlane Park in Klingner Rd, Kippa Ring.(UBD Map 91 Ref G 1)
<https://plus.google.com/106119512431582251982/about?gl=au&hl=en>

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 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 61 07 3491 8032

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 2015

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

New meeting venue from June 2015; Redcliffe club rooms.

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

<https://plus.google.com/106119512431582251982/about?gl=au&hl=en>

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 2015

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 674 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 **