



*** QDG DIGIPEAT December 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

December QDG Meeting

The Next QDG general meeting will be held on Friday December 18 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

During 2015 the club changed meeting venues due to the demolishing of the Chermside library and building of a new one at the same location. The Redcliffe Radio Club has assisted us with the use of their building, for this we are extremely grateful. Jota at BP Park was once again the only club activity apart from meetings, this time under the Redcliffe club. There will be more working days at BP Park in 2016 leading up to Jota, please help out if you can spare a few hours.

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/>

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



A 1 KW SSPA for 1.8-54 MHz

An experimenter's kit is available for this project.

It can accommodate almost any driving radio, and only requires 2 to 3w drive for 1kw out.

But because it has a configurable input attenuator, it's also a good match for one of the 100w radios.

http://www.w6pql.com/1_kw_sspa_for_1_8-54_mhz.htm

Faster than fibre

[EM Solutions Pty Ltd](#)

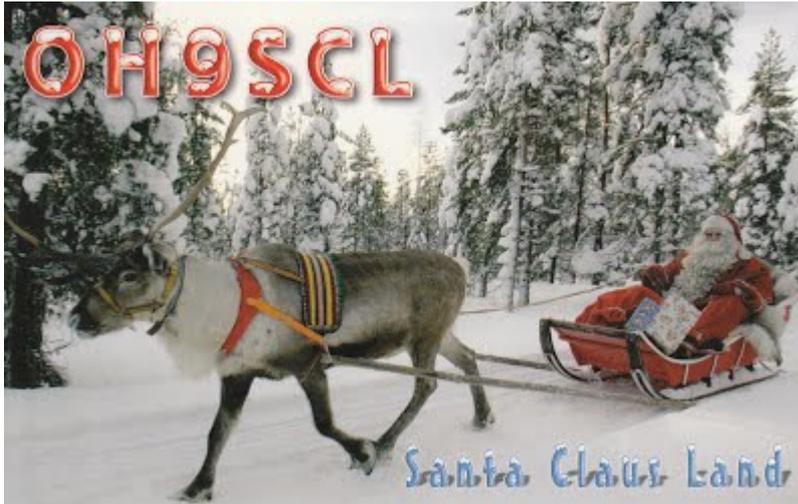
By Rowan Gilmore, CEO and MD, EM Solutions

Monday, 07 December, 2015

Australian technology has produced the world's fastest backhaul radio, and it's finding important markets overseas.

Brisbane-based microwave company EM Solutions and its links subsidiary, EMClarity, have recently completed installation of a network of 5 Gbps radios to interconnect New York Stock Exchange servers with those of the NASDAQ exchange.

[critical comms](#)



Santa's own amateur radio station OH9SCL has been busy since December 1986, operating in Finnish Lapland in the arctic circle. The North of the country is well-known as Santa Claus Land. Mostly activity takes place during December, operated by local radioamateurs helped with visitor operators. The picture with the map shows the original QSL-card from 1986.

The traditional Santa Claus Land radio station, OH9SCL, will be active also in December 2015. This year's activity will be special. OH9SCL has now been active for 30 years from the Arctic Circle. Activity will be mostly on HF-bands on all modes.

<http://www.oh9ab.com/oh9scl>

Great Eastern Fly-In

An Aviator's Summer Adventure

January 9th - 10th 2016

Free Admission

The Great Eastern Fly-In is a unique Australian aviation event.

Pilots, their families and friends, Fly-In from all over Australia, to enjoy a great summer holiday with a difference!

Locals, young and old, come to marvel at the latest in aircraft, air displays, and have the ride of their lives.

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

CCARC Wyong Field Day

Brought to you by the Central Coast Amateur Radio Club

Central Coast NSW Field Day 2016

Sunday 28 February 2016. Gates open at 6:30am. Flea market open from 6:30am. Traders / exhibitors / Seminars access opens at 9:00am.

ENTRY FEE: \$15 Per Person. Under 17's Free

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

CQ-DATV



dotMOBI

Amateur Television information

CQ-DATV 30 free download now available

Issues 1 to 7 are now available in pdf format. Please note that these are not 'proper' pdf files as they have been converted from the ePub files. Thus there is a lot of 'white space' on many of the pages, but all the information is there - enjoy.

<http://cq-datv.mobi/ebooks.php>



Your Social Network

A platform for transparency, privacy, viral reach & monetization

You vote on how it evolves. You control the data. You control the code. You earn greater viral reach for using it. You make the money.

We are a free, open source and encrypted social networking platform for both desktop and mobile. The Minds technology stack is the result of years of development to create a truly transparent, secure, scalable and modern social engine.

You earn a digital currency of points for every vote, comment, upload and share which can be exchanged directly for views on your content. 100 points = 100 views. These points can either be exchanged with Minds or directly p2p with other users in exchange for shares.

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

Intel Skylake CPUs are bending under the pressure of some coolers

Some Intel Skylake CPUs are literally bending under the weight of heavy aftermarket CPU coolers.

Or, more specifically, the pressure exerted by some coolers seems to be causing damage to Skylake chips. The likely culprit: Intel used a thinner wafer on Skylake CPUs than past chips. According to Intel, the thinner substrate is still rated for the same 50 pound static load, but this issue is definitely real: we've experienced it ourselves.

[PCGAMER](#)



Airspy R2 – Now shipping!

We have sensitive ears! The demand for ever cheaper, higher performance and ruggedized SDR receivers is driving the professional market. Due to the large demand from our professional customers, we upgraded recently our original Airspy One design to Revision 2. This new revision improves the following points:

- Better USB noise immunity

- Better ESD protection on VUSB

- Better ESD protection on the RF input

- Added ESD protection on the dual High Speed ADC inputs

- Better RF Shielding

- Better RF Filtering

- Replaced the micro USB connector with a custom designed, more robust, 4 through hole points model

- Better thermal stability

- Better compatibility with the SpyVerter

- LOW NOISE 0.5ppm TCXO

<http://airspy.com/>

Melbourne Global

Melbourne Global provides market-leading solutions tailored for small and medium business in Australia. Our expertise is in planning, sourcing and installing technology to make your business better.

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



OzCableGuy's Router FAQ

When speaking about computers, in layman's terms a Router is a device that goes in between your modem and your computer (or Network of Computers) and shares the Internet connection to as many computers as you like using a process called NAT.

<http://www.ozcableguy.com/routerfaq.asp#2.10>

OzCableguy's Wireless Networking FAQ

Traditionally Computers have been put together in Networks with cables using hubs or switches to join them all together. Wireless Networking is exactly the same in concept, except instead of the Ethernet cards & cables we have Wireless Network cards, and instead of hubs and switches we have a Wireless Access Point or Wireless Router.

<http://www.ozcableguy.com/wireless.asp#1.13>

Best wireless routers of 2015

The wireless router is arguably the most important piece of computer equipment in your home (and even when traveling), since it connects the rest of your gadgets to one another and the Internet. As there are so many choices on the market, it's always hard to find the best one for your money. This is a list of the current top routers I've reviewed so far. They come with different feature sets and prices, but all of them share great performance and have earned high CNET ratings.

<http://www.cnet.com/topics/networking/best-networking-devices/>

PC mag router review

802.11ac is all the rage among networking vendors, with all their 802.11ac routers touting incredible speeds. But is 802.11ac worth the investment?

<http://www.pcmag.com/article2/0,2817,2416612,00.asp>

What Separates Business Routers From Consumer Routers?

If you're in the market for a new router for your small business, you might be tempted by the flashy features, high speeds, and low cost of consumer-oriented routers. The latest models, based on the IEEE 802.11ac standard, look particularly attractive.

But can a consumer router deliver everything your business needs? Is it sufficiently secure? Is it scalable? Does it provide redundant connections to the Internet? If it's a wireless model, does it provide enough range to cover your entire office?

Should you instead invest in a router that's specifically designed for the needs of small- to medium-size businesses? What exactly distinguishes a consumer router from a business-class model, anyway? Glad you asked.

[PCWorld](#)

The Internet Portal to the PropNET Project

PropNET is the name given to an innovative project that uses PSK31 to create an RF-based digital peer-to-peer network. Participants simply download PropNetPSK (a Windows program), enter a few station-specific parameters in order to take part.

www.propnet.org

MICROWAVES101.COM

The world's microwave information resource since 2001

Microwave Amateur Radio

Microwaves101 has a lot of visits from radio enthusiasts. So it's time we welcomed them with their own page on amateur radio!

<http://www.microwaves101.com/encyclopedias/microwave-amateur-radio>

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

2016 dates

Jan Fri 1st to Sun 31st WIA Ross Hull Memorial VHF-UHF Contest

Jan 22-26 VK4 TARC Australia Day Long Week Family Radio Camp; Girl Guides Campsite, Bluewater

July 19 VK3 GippsTech 2016 Churchill

August QDG general meeting; Alan Simpson memorial home brew competition www.qdg.org.au

Contests 2016

VHF-UHF Field Days

Summer 2016 - Saturday 9 and Sunday 10 January.

Winter 2016 - Saturday 18 and Sunday 19 June.

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

WIA John Moyle Field Day 19-20 March 2016

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

Harry Angel 80 mtr sprint (WIA) provisional date Saturday 7th May.

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

QDG information

QDG meeting dates 2015

December 18

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://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: 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 2015 - 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://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 ****