

SARCNEWS



Hello, welcome to another GREAT sarcnews NewsLetter...hihi :)

Today on a sweltering 41deg day at the club rooms, we ended up with 15 Members who voted in, the 2017 Committee:

President:- Ross, VK2ARD

Vice President:- Duncan, VK2DLR

Treasurer:- (interim) Chris, VK2ACD

Secretary:- Paul, VK2PMG

Generals (x3):- Darren, VK2AUX/Dave, VK2ZDR/Geoff, VK2AGC

NOTE: 5 members ended up going for the General position, so a paper vote was put in place (as per the Constitution); with the final 3 as mentioned above.(votes destroyed)

A General Committee Meeting was held after the AGM:

Sub Committees were formed during this meeting. More details on the website. <http://sarc.org.au/>

Cheers

Dave VK2ZDR {editor}

SILENT KEY:

Norm VK2BBY - SK

SARC was represented last Monday at the funeral of Norm - formally VK2BBY.

Norm was well remembered as an enthusiastic storm spotter and member of the dawn patrol.

NET CHECK-INS:

Wia National News - 6

Dawn Patrol - 43 check-ins for the week ending 10 Feb 2017.

Sarc Digi Net - 5 (see "digital modes" report below)

Wicen Net - HF net -5 (workable comms all round)

2Mtrs net – 5 (Antennas)

Wednesday Tech Net - 7 - (Digital voice on 2m & 70cm)

Thursday 6Mtr Net - 7 (keeping the Radio Shack cool)

Friday Night Net - 4

DIGITAL MODES:

On Monday 6th February at 8.00pm local time we held the Summerland Amateur Radio Club's digital net. Starters were: VK2EA, ACD, AGC, DLR and VK2 SRC-PMG Net Control. All operators except EA transmitted. The frequency used for transmission was 80 metres, 3.625 USB after an initial meet and greet on 146.800, we then went to the Woodburn repeater on 147.250 for our secondary phone frequency to give signal reports and ask questions.

We started out using keyboard modem Thor 16 via FL Digi. Unlike the unusual conditions last Monday when the decoding performance of Olivia 8-500 started to deteriorate for many operators, Thor 16 performed perfectly. There was general discussion on antennas, including the hexbeam types. There was also a general interest in trying the software Easypal. This software allows the true digital transmission of images, as distinct from the analogue MMSSTV. The net finished at 9.25pm.

Here is a web site with an overview of Easypal:

http://www.users.on.net/~trevorb/vk4qw_index.htm

Below is some information of the Thor 16 modem we used via FL Digi:

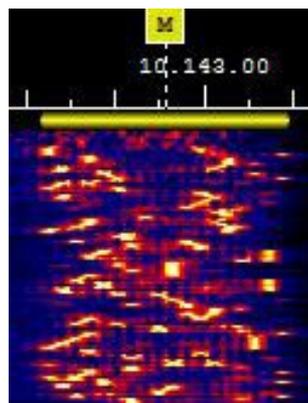
THOR

Thor is a new mode and is very closely related to DominoEx. It is an extremely robust mode and is well suited to HF weak signal conditions. A single carrier of constant amplitude is stepped between 18 tone frequencies in a constant phase manner. This means that no unwanted sidebands are produced, and it does not require the same kind of linearity requirements as some modes (PSK in particular). The tones change according to an offset algorithm which ensures that no sequential tones are the same or adjacent in frequency, considerably enhancing the inter-symbol interference resistance to multi-path and Doppler effects. Thor, like other similar modes has a variety of speeds and tones to choose from, dependent on band conditions and signal levels. The modes are Thor 4, 5, 8, 11, 16 and 22. Speeds vary from the equivalent of 14wpm right up to 78wpm for Thor 22. and bandwidths vary from 173Hz up to 524Hz.

The information above has been taken from: http://hfradio.org.uk/html/digital_modes.html

deVK2PMG (below: This is a waterfall grab of a Thor 16 signal)

PS If the screen grab doesn't work, here it is separately:



INTERESTING INFORMATION/SITES:

John Moyle 2017

It's coming up to John Moyle field day time.

The following SARC members will be out and about for the JM;

VK2ELH - Portable at Mt. Coramba.

VK2JUB & VK2FAAD - Portable at Point Vista./

VK2ACD - at home.

Please support these club members with as many contacts as you can

REPEATERS:

A few brief notes on the proposed 23cm repeater. Frequency will be 1273.300Mhz Rx and 1293.300 Tx, +20MHz shift. (from the users point of view, like Sally but +ve offset).

Location Parrots Nest. EIRP up to 100 Watts. Will be on test using VK2RPL callsign, no CTCSS.

The WICEN Parrot repeater is on 146.575MHz, about 50 Watts output, still being tested, will move from this frequency as Wicen radios get re-programmed.

Cheers Geoff VK2AGC

More photos of the Repeaters next week.

COMING UP SOON:

What's On For the full year's calendar visit http://sarc.org.au/	
This Month	Next Month
February 2017 Sat/Sun 04/05 Sat/Sun 11/12 Sun 12 Wicen 1000 Sun 12 SARC AGM 1300 Sun 12 Committee Meeting 1400 Sat/Sun 18/19 Sat/Sun 25/26 Sun 26 Wyong Field Day	March 2017 Sat/Sun 04/05 Mon/Thu 06/09 Standard Course Sat/Sun 11/12 Sat/Sun 11/12 Foundation Course Sun 12 Committee Meeting 1300 Sat/Sun 18/19 Sat/Sun 18/19 John Moyle Field Day Sat/Sun 25/26

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