



NET CHECK-INS:

Wia National News - n/a

Dawn Patrol – 52 for the week ending 5th January.

Sarc Digi Net – 4 (see full “Digi Modes” report below)

Wicen Net – 9 - Evans Head & storm reports.

Wednesday Tech Net - 6 - Computer interfaces.

Thursday 6Mtr Net – 5 - ZDR returns, missing walking sticks & nasty storms.

Friday Night Net – 5 - general topic (last week was 6, not 4 as reported){ed}

Coffee Morning numbers - 7 - Education & Charging batteries.

For all ‘net’ times & frequencies please check out the sarc website:

www.sarc.org.au/nets-broadcasts/

More things to do:

Coffee morning:

1000 on the 1st Wednesday of the month

Rous Hotel (cnr) Keen/Zadoc St. Lismore

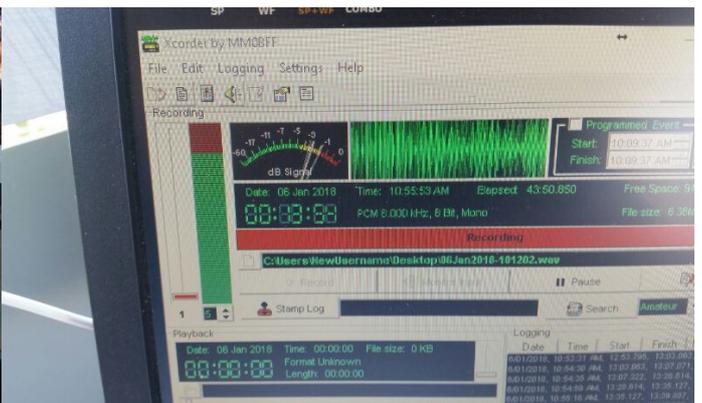
Lunch day:

1200 on the 3rd Wednesday of the month

Ying’s Chinese & Thai Restaurant
142 Keen St. Lismore

GREAT EASTERN FLY-IN

SARC had a fantastic weekend at the Great Eastern Fly-In, very good turn out; the weather was mildly warm, but not overly hot either. Below is some photos from the “Radio Room” showing VK2ARL Rob’s digital setup & also the club’s brand new banner.



awesome photos from Shane HAZ (avid photographer).



{photos are 'offset' on purpose}[ed]

[DIGITAL MODES:](#)

EA, JWA, MRN and DLR turned up last Monday night for the Digi Net. Missing Paul VK2PMG's leadership we talked for a while then went our separate ways. A key part of the discussion was Kris, VK2MRN talking about the great success he was having with the new mode FT8. Once again in lieu of a proper Digi Net hber's some wordson the weak signal modes developed by Joe Taylor K1JT and others. 99.99% of the following are not DLR's words, just stuff he found on various web pages.

Listing the web site again this week. You'll find the real information at:

<https://www.physics.princeton.edu/pulsar/K1JT/>

WSPR or "Whisper" is the mode that sent DLR all misty eyed a couple of months ago. You don't actually make contacts. You act As a beacon and receiver and log reports on the internet.

WSPR (pronounced "whisper") stands for "Weak Signal Propagation Reporter." This program is designed for sending and receiving low-power transmissions to test propagation paths on the MF and HF bands. Users with internet access can watch results in real time at [WSPRnet](#). Version 2.11 of *WSPR* includes *FMT*, a package of command-line utilities that can help you make highly accurate frequency measurements without expensive laboratory equipment. Experimental version *WSPR-X* is also available, offering an optional mode WSPR-15 with 15-minute transmissions and better sensitivity by about 9 dB.

WSJTX is actually a suite of modes where you chose the mode to suit your path. It's the one that Paul VK2PMG and others get misty eyed about. You actually make genuine (minimal) QSO's with real people doing the same thing you are. The latest of these modes is FT-8 which is very suited to HF propagation. People like Paul, Kris, Rob and Chris will tell you how amazing the mode is in bringing "dead" bands back to life.

WSJT-X implements communication protocols or "modes" called **FT8**, **JT4**, **JT9**, **JT65**, **QRA64**, **ISCAT**, **MSK144**, and **WSPR**, as well as one called **Echo** for detecting and measuring your own radio signals reflected from the Moon. These modes were all designed for making reliable, confirmed QSOs under extreme weak-signal conditions. All but **ISCAT** use nearly identical message structure and "source encoding," the efficient compression of standard messages used to make minimal QSOs. **JT65** and **QRA64** were designed for EME ("moonbounce") on the VHF/UHF bands; **JT65** has also proved very popular and effective for worldwide QRP communication at HF. **JT9** is optimized for the LF, MF, and HF bands. It is about 2 dB more sensitive than **JT65** while using less than 10% of the bandwidth. With either **JT9** or **JT65**, world-wide QSOs are possible with power levels of a few watts and compromise antennas. **JT4** and **QRA64** are optimized for EME on the VHF and higher bands, and especially the microwave bands from 2.3 to 24 GHz. **FT8** is operationally similar to **JT65** but is much faster, using T/R cycles only 15 s long. **MSK144** is used for Meteor Scatter on the VHF bands.

Cheers,
Duncan VK2DLR

[Summer VHF/UHF Field Day:](#)

The next Field Day will be held on the weekend

January 13, 2018 @ 12:00 pm-January 14, 2018 @ 12:00 pm

For the Summer of 2018. for more details, click on the link below...

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

COMING UP in 2018:

COMMITTEE MEETING

January 14 @ 1:00 pm - 4:00 pm

WICEN NR Meeting and Training

February 11 @ 10:00 am - 12:00 pm

AGM + Committee Meeting

February 11 @ 1:00 pm - 2:00 pm

What's On	
For the full year's calendar visit http://sarc.org.au/	
This Month	Next Month
January 2018 All January 01-31 Ross Hull Contest Mon 01 New Year's Day Sat/Sun 06/07 Sat/Sun 06/07 Evans Head Fly-in Sat/Sun 13/14 Summer V/UHF field day Sun 14 Committee Meeting 1400 Sat/Sun 20/21 Fri 26 Australia Day (<u>AX Prefix</u>) Sat/Sun 27/28	February 2018 Sat/Sun 03/04 Sat/Sun 10/11 Sun 11 <u>Wicen</u> 1000 Sun 11 <u>SARC AGM</u> 1300 Sun 11 Committee Meeting 1400 Sat/Sun 17/18 Sat/Sun 24/25 Sun 25 Wyong Field Day

WANT TO JOIN SARC or renew your membership?

*******Membership subs are due Now*******

The rate is \$40 for membership in 2018 and if you join part way through the year, the payment is pro-rata. If you live more than 100Km from Lismore, you qualify as a DX member at half the normal rate. Download a form for renewal/new membership [here](#).

For full details of how to pay subs, go to [here](#). The preferred method of payment is by direct bank transfer to the club's Summerland Credit Union account.

To receive the SARC weekly Newsletter you **DO NOT** have to be a member, it's available to all. Simply send your email address to sarcnews@gmail.com with <please subscribe me> in the subject line.

To unsubscribe:

Please reply to sarcnews@gmail.com

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