



Sarc Radio Net numbers/check ins:

HF Dawn Patrol – 55 for the week ending 22nd Feb 2019

Sarc Digi Net – full “*Digital Modes Report*” below

Wicen Net – 7 - The week ahead

Wed Tech Net – 7 - Old technology

Thursday Night Net – 7 - severe weather

Friday Night Net – 5

UPCOMING EVENTS

COMMITTEE MEETING

March 10 @ 1:00 pm - 4:00 pm

JOHN MOYLE FIELD DAY CONTEST

March 16 @ 12:00 pm - March 17 @ 12:00
pm

News Items:

Happy Birthday Leith.

Last Saturday Leith VK2EA celebrated his 95th birthday.

SARC claims Leith as the longest continuously licensed
amateur radio operator in Australia.



Experiments at SARC today

Some experimenting took place at SARC today. Mainly some messing around with an old oscilloscope from DLR and some new toys from ARL.

We used ARL's digital power meter and dummy load to check the output from DLR's FT817 in FM mode. The output power was measured and then re-measured after an 8m length of RG8 was added to the line. DLR did some maths at home and came up with the following table.

Frequency	Power at FT817	Power after 8m RG8	Loss in dB	Loss per 100m (extrapolated)
14.1 MHz	2.33W	2.06W	-0.555	6.94
3.6 MHz	2.53W	2.29W	-0.410	5.13

There's heaps of room for inaccuracies including the additional of a barrel connector as well as the cable and connectors but comparing the results to a manufacturers data of :

RG8A/U			
Frequency	1.0 MHz	10 MHz	50 MHz
Loss dB/100m	0.66	1.97	4.27

So the old length of RG8 that DLR uses in the field doesn't look that flash when compared to manufacturers data. But in reality he only loses about half a dB in practice. That's not enough to worry about. Some time in the future we just might repeat the experiment on VHF / UHF. That could be interesting.

Experiments at Sarc: Continued



VHF/UHF FIELD DAY CERT:

SARC IN JOHN MOYLE FROM VISTA POINT

The club team led by Graeme VK2QJ, will again be heading to Vista Point for the Field Day. Members are encouraged to make contact with them to help with the points tally. Only basic equipment is usually needed, as the location near Mt. Hyland, west of Coffs Harbour, is 1300m up, with an excellent outlook to the Lismore area. Details of frequencies to come. Contest info and rules are here – [WIA – John Moyle Field Day](#)



AGM DONE and a NEW COMMITTEE

The SARC 2019 AGM and a committee meeting were held Sunday 10 February, with some changes to elected positions. Congratulations to all. See the new list here – [SARC committee 2019](#)

Note: It was decided to eliminate two positions – Publicity Officer and Property Manager.

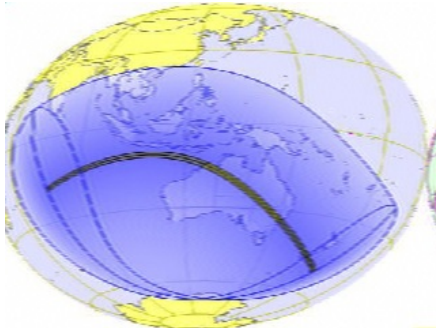
DIGITAL MODES:

Monday 18 FEBRUARY 2019

This week we had Leith VK2EA, John VK2JWA, Duncan VK2DLR, Steve VK2SLM and Kris VK2KWW. After a couple of rounds of chat, we QSY'd to the Woodburn repeater.

Duncan and Kris and I used the Fl-Digi mode IFKP 2.0 again, and after a round or two of keyboard overs we started sending images. I had prepared some beforehand to the standard sizes the modem uses (mainly 320x240). Some images showed some distortion but others were nearly perfect. The quarter moon image was sliced horizontally and enlarged, most peculiar. IFKP images are similar to those sent by the MFSK modem. The reason for the distorted or slanted images isn't clear just yet, some research needed, possible some form of alignment needed. Regardless of that, we were impressed with the clear and sharp results obtained, all images on these reports are those received by an operator, not originals. The net finished at 9.50pm and thanks to those who participated.

Cheers from Paul VK2PMG



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