sarcnews NL 19th Feb 2017

SARCNEWS

Hi & Good Evening,

This weeks NL once again contains some great digital photos that were received from the ISS. It is amazing how good these pictures are, considering the distance travelled… :)

I apologise for the untidy looking NL this week, as some information couldn't fit on one page & 'bled' over into the next...(i should have spent more time fixing that up, but I really needed to get all the information to get the NL out before it gets too late){that's my excuse & i'm sticking to it} hihi

NET CHECK-INS:

Wia National News – nil

Dawn Patrol - 47 week ending 17 February

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

Wicen Net - 6 (Paperwork and Bureaucracy)

Wednesday Tech Net - 7 (connector corrosion in a marine environment)

Thursday 6Mtr Net - 6

Friday Night Net - 4 (VK2EA's HF antenna collapse)

DIGITAL MODES:

On Monday 13th February at 8.00pm local time we held the Summerland Amateur Radio Club's digital net. Starters were: VK2EA, JWA, DLR, AGC and VK2 SRC-PMG Net Control. All operators except JWA and 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.

The topic for this week's net was Easypal. This software promises true digital transmissions of images. Digital Easypal is not slow scan, the SSTV part has stuck because it sends images. In basic terms it is file transfer also known as DRM "Digital Radio Mondiale" The advantage over analogue SSTV is the error correction. With error correction you can get a perfect image IE what is sent is what you receive.

The best any of the operators could do after some experimenting was to receive a faint image of the transmitting operator's callsign on the waterfall. The advice from Geoff AGC was that with Easypal you got 100% or nothing at all proved to be spot on. It must be said that 80 metres with its high noise level wasn't ideal and that perhaps 20 metres would have been better. Nevertheless, we will try again. The net closed at 9.55pm local time

deVK2PMG

INTERESTING INFORMATION/SITES:

ISS Photos

Pictures from the ISS that VK2DLR and VK2AGC received on the 14th of Feb.

From their website:

Slow-scan television (**SSTV**) transmissions are planned from the International Space Station (ISS) on February 13-14, 2017.

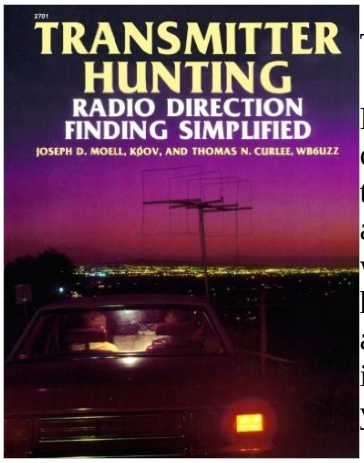
The SSTV images will be transmitted as part of the MAI-75 Experiment on 145.800 MHz FM using the Kenwood TM-D710 transceiver located in the Russian ISS Service module. It is expected they will use the PD-180 SSTV format.

The MAI-75 activities have been scheduled for the Russian crew on Monday, February 13 from 09:25-18:00 GMT and Tuesday, February 14 from 11:25-16:30 GMT.

https://amsat-uk.org/2017/02/07/receive-pictures-from-space-iss-sstv-feb-13-14/

SARC Library:

New book in the SARC library
"Transmitter Hunting"- Radio Direction Finding Simplified
by Joseph D. Moell, K0OV, and Thomas N. Curlee, WB6UZZ



This book is a new edition to the SARC library.

First published in 1987 by TAB Books, It's a little dated but still contains a lot of good information. The book covers the whole topic including operating techniques. It's more than a collection of articles about directional antennas and special receivers. I liked the way it rounded out the entire subject for me. In the end I felt as if I had a basic grasp of the problems involved in transmitter hunting and some idea of the solutions available. It's not a riveting read and it's not a definitive step by step construction manual. Check it out if you have an interest in the subject.

BTW: Want your own electronic copy?
Go to the
https://archive.org/details/TransmitterHunting-RadioDirectionFindingSimplified_549

If you have a spare lifetime checkout:

https://archive.org/details/folkscanomy_electronics_articles?&sort=-downloads&page=2

WARNING: Readers of technical books may become trapped and never leave!

de
Duncan VK2DLR

COMING UP SOON:

What's On For the full year's calendar visit http://sarc.org.au/	
This Month	Next Month
February 2017	**March 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	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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