



NET CHECK-INS:

Wia National News - n/a

Dawn Patrol – 43 for the week ending 12th January.

Sarc Digi Net – 8 (see full “Digi Modes” report below)

Wicen Net – 9 - Evans Head review

Wednesday Tech Net - 5 - SDR receivers & low power computers

Thursday 6Mtr Net – 4 - ongoing hot weather

Friday Night Net – 8 (great turnout this week)

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

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

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

BBR in Hospital:

Robert VK2BBR is in hospital after having what appeared to be a stroke on Thursday.

Tests indicate that it may be related to a tumour and he's off to the Gold Coast to see the specialists.

More information as it comes to hand.

“All the very best to Rob & his Family”

New 70cm repeater

The Clarence Valley Amateur Radio Group have a new 70cm at Mt Lofty (540m ASL), south west of Grafton near Nymboida 439.850MHz -5.0MHz with 123.0Hz access tone. Give it a try sometime.

Graeme VK2QJ

WEBSDR “ONLINE”

IT'S OFFICIAL, the WEBSDR system is up ‘n’ running at the clubrooms.


Click on the link to go directly to the websdr site & look for ‘sarc’ or see us on the Map at the very bottom of this page.

<http://www.websdr.org/>

Check out:

<http://www.armag.vk6uu.id.au/>

There seems to be a complete set of the WIA's AR magazine from 1933 to 2004 scanned in.



amateur radio

JOURNAL OF THE WIRELESS INSTITUTE OF AUSTRALIA

VOL. 46, No. 9 SEPTEMBER 1978

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		COVER PHOTO	
		Jenny White VK2NTJ, first licensed lady Novice at the Summerland Amateur Radio Club.—See "The Lady Behind the Microphone", page 25.	
		Registered for posting as a Publication — Category "B".	

COMMERCIAL KINKS

Ron Fisher VK0DM
This month's notes cover modifications to the FT-75 carried out by Ron Cook VK3APW. Ron writes:

The FT-75 is an excellent QRP HF rig and given a good antenna system will perform well both as a mobile and a base station. However, when the QRM builds up on 14 MHz, the OSCs become difficult to initiate. This can be frustrating. The addition of a linear such as the SB-200 or FL-2100, etc., provides 300 watts or so of output. A signal boost of 10 dB makes a big difference in marginal or difficult conditions. The maker's handbook states that a linear amplifier is an optional accessory, however it cannot be used because the appropriate linear amplifier control wiring does not exist. To be more precise, the FT-75 has an uncommitted change-over contact set which grounds pin 9 of the rear power connector J1 on receive, and pin 10 on transmit. The DC-75 DC power supply has pin 10 of P101 connected to pin 3 of J101, the accessory socket. So far so good, the catch is that there is no interconnection between the corresponding

pin 10 of P101 and J101, or at least not in my particular cable.

Although a linear is more likely to be used when the FT-75 is operated as a home station, the FT-75 AC power supply not only has no pin 10 interconnection in its cable, it has no accessory socket.

There are two alternatives. Either an additional wire must be run along the outside of the power cables and wired to both pins 10, then taped to the cable and an accessory socket added to the FT-75 or the pin 10 wire in the transmitter must be brought out to another socket on the FT-75 back panel. The 7 pin socket J7 seems of no practical use, so reworking this is the nearest solution if a suitable socket is available. Otherwise it is necessary to mount a socket such as an RCA (phone) type for which plugs are readily available. Space for such a socket is very hard to find. I took the easy way out and removed J7 and its wiring and replaced it with an RCA socket mounted on a small aluminium disc bolted into J7's hole. A wire was run from pin 10 of J1 to the centre pin of the new socket. A screened wire was used to connect to the linear. Many happy QSOs and 59 reports have both had since.

Of course the FT-75 is of limited use as a portable or base station unless a VFO is used. The matching Yaesu VFO tends to drift a bit and the dial calibrations are nominal rather than actual. I have built a VFO based on the Drew Diamond circuit published in the October 1973 issue of Amateur Radio. I used a TIS88 FET in the coil covers 21 MHz and is shunted with oscillator. Band changing is effected by switching these coils and two shunt capacitors. One coil covers 14 MHz and is shunted with capacitance for 3.5 MHz. Another coil covers 7 MHz, and the last capacitance to work at half the injection frequency for 28 MHz. There is some drift but it is less than the Yaesu unit. Temperature compensation has not been needed to date.

I found it convenient to sit the FT-75 on top of the AC supply. Unfortunately this gives rise to an annoying level of hum. Placing a sheet of perforated steel between the rig and the supply cured this. Four stick-on plastic feet were used to space the sheet above the power supply case to aid ventilation.

Next month some more simple modifications for the TS-500.

THE LADY BEHIND THE MICROPHONE

FIRST LICENSED XYL FOR SUMMERLAND AMATEUR RADIO CLUB

(See front cover)

During a goodwill visit by the newly elected President of the NSW Division of the WIA, David Thompson VK2BTJ, to the Summerland Amateur Radio Club at Lismore in northern New South Wales, the opportunity was taken to have the President of the Division preside at a ceremony held by the Club to congratulate the Club's first XYL member to gain an amateur licence.

Jenny White, newly licensed as VK2NTJ, received the best wishes of all present at a well attended meeting of the Club which had been called as a special meeting to welcome the Division President to the district. Jenny had been an active Club member and regular attendee at the Novice classes conducted by the Club, and her determined efforts had finally paid off. Not being one to allow the grass to grow under her feet, she has already embarked on Vigorosa studies for the AOCOP, and if past performance is any indication, it won't be long before she has the full call.

This special meeting of the Summerland Amateur Radio Club was attended by 36 members from a wide area of the North Coast district served by the Club. Club President, Fred Heron VK2BHC, extended a warm welcome to the Division President on his first visit to the Club since his election as Division President. The welcome was followed by an entertaining evening which included a video tape showing of a recent TV programme on Amateur

Radio, and a second video tape programme on the subject "Transistors versus Temperature", both arranged by versatile Club Secretary Harold (Wheeler-Dealer) Wright VK2BWH. At the conclusion of the programme, a sumptuous supper was presented by the Ladies' Auxiliary.

All in all, the evening to remember at the Summerland Amateur Radio Club. (Information supplied by Fred Heron VK2BHC, President, Summerland Amateur Radio Club.)

FROM THE OVERSEAS ADS.

An occasional AR feature

From ETO: The new Alpha 76A HF linear which has a 1 kW CW continuous power rating of a 2 kW PEP two tone SSB rating. They also are bringing out a 6 metre model.

From Aids: Their Aids 103, a 60/40/20 solid state 250W input transceiver under \$595.00.

KLM have a shortened 40 metre rotatable dipole.

ASTRO have brought out the ASTRO 202A with tuning buttons on the rig, to allow instant QSY. Great for mobile.

Cornell Dubilier introduce an updated HAM II, known as the Tall Tower. Much bigger and much more rugged.

Kenwood have the SM220 monitor scope, the TS700GP with digital dial, and a real HF antenna tuner. Type AT200 to bring that piece of wire within range of your pl network. Also Kenwood have a very nice linear, the TL522.

Icom have a really new 2 FM rig, the IC203 built in two parts. A remote control head and a boot mounted transceiver. Looks an interesting new rig. Icom also have the IC202A with LSB and USB and the IC302, a 432 MHz version of the IC202.

Drake have a very fine HF transceiver in the new solid state TS7. Drake also have a 3-band VHF transceiver for 144, 200, and 432 in their UV3.

TECHNICAL CORRESPONDENCE

The Editor,

Dear Sir,

There are a couple of errors in the circuit of the "Sub Carrier Audio", page 26, AR July 1978.

(1) The correct type No. of Q1 is 2N4249 (alternately 2N4250).

(2) A 01 uF ceramic disc should bypass the cold end of the collector coil of Q2.

IFC is a single wire through an F29 slug.

If audio response is too bassy, change J1 coupling capacitors to the LM3000 stages to 205 uF.

Yours faithfully,
I. F. Berwick VK3MLZ.

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2018 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.

DIGITAL MODES:

Monday 8 January 2018

For tonight's net we had VK2PMG/SRC as net control with John VK2JWA, Leith VK2EA, Rob VK2ARL, Duncan VK2DLR and Kris VK2MRN.

Tonight SRC, ARL, DLR, MNM and ACD went to the Woodburn Repeater and we used MMSSTV, mode Scottie 1. I started things off with a couple of picture from New Zealand, followed by Duncan and Kris. These first few images from SRC were spoilt by a strange, snowy artefact in the top corner, unlike anything I had seen before. These are visible in the thumbnail pic on Duncan's test pattern pic. Images from Duncan and Kris were all fine.

Finally I noticed that the TX control on the Signalink was almost at maximum. I wound this back to near minimum and restarted the computer. Problem solved and the last couple of images were perfect. It is worth bearing in mind that over-driving of a signal that involves images is to be avoided, whether it is a digital Easypal signal or an analogue MMSSTV one. The net finished at 9.35 and thanks to all who logged in and participated.

Cheers from Paul VK2PMG



Summer VHF/UHF Field Day:

Pat VK2FAAD & Graeme VK2QJ set up again portable at Vista Point Lookout for this event.

Below are some lovely photos showing their setup & outstanding views.

Thanks Pat & Graeme :)



COMING UP in 2018:

WICEN NR Meeting and Training

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

AGM + Committee Meeting

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

NOMINATIONS OPEN FOR 2018 COMMITTEE

Nominations are open for positions on the 2018 club committee. For details, download the AGM notice here – [SARC AGM 2018](#)

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 (AX Prefix) Sat/Sun 27/28	February 2018 Sat/Sun 03/04 Sat/Sun 10/11 Sun 11 Wicen 1000 Sun 11 SARC AGM 1300 Sun 11 Committee Meeting 1400 Sat/Sun 17/18 Sat/Sun 24/25 Sun 25 Wyong Field Day

Some web sites are hard to find:

We hear from time to time that 'certain' websites are hard to find, unless you Google them. (short cuts are cool)
SO, below is the ACMA database 'link' & the QRZ Callsign Database.

https://web.acma.gov.au/rrl/register_search.main_page

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

To unsubscribe:

Please reply to sarcnews@gmail.com

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