



All Access

A newsletter for members and friends of ARNSW,
facilitating access to all areas of Amateur Radio.

ARNSW is an affiliate of the WIA.

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Editor: Ray - VK2ASE

Editorial

As this edition of *All Access* rolls out we are starting to see some return to normality with regards to the pandemic.

The storeroom is again full of goodies and these may be viewed and/or purchased by arrangement. See the article below for a full list of items available.

Without our normal T and T days there has been minimal opportunity to get together at Dural. We can't, at this stage, return to the normal T and T format due to Covid issues. So, we will be holding a Member\$ only Open Day on Sunday 27 June 2021, commencing at 9:00 am. Come along and find out what your fellow members have been up to while in lock down. There may be some opportunity to view items in the T and T store on the day as well.

Please listen to the Sunday Broadcasts and watch forthcoming issues of *All Access* for further information. And, please heed government warnings and advice on health matters.

Ray – VK2ASE

2021 AGM

The 2021 AGM was held on Sat 17 April 2021, commencing at 3:00 pm. As advised in advance this year the meeting was a hybrid between personal attendance or on-line via Zoom. All went well without a hitch.

Ray – VK2ASE

DMR Update

Go!ay. This is Mat, VK2FLY, the ARNSW Radnet Coordinator. ARNSW has formed a subcommittee known as the Radio Network Group with the purpose of creating a network of linked repeaters with broad coverage across NSW, the ARNSW Radnet for short. To that end ARNSW are extending support including providing DMR repeaters to local clubs for the purpose of operating the service as well as assisting in setup and configuration and providing backend infrastructure. The network carries the talk groups

of the VKDMR network, VK's largest DMR network as well as a special ARNSW talk group 1910.

With the help and dedication of local clubs we currently have no-break coverage across Sydney and right up to Port Macquarie. We will soon be adding Mt Bindo in the Blue Mountains as well as some unbelievable locations further north. More information about the ARNSW Radnet can be found on its dedicated microsite arnsw.net. The site is packed with live information about your local Radnet repeater including some intriguing site photos, coverage plots and engineering data right down to live battery voltages and temperatures in the repeater hut.

The site is great for planning road trips and will soon include a config generator for some popular transceiver brands. The site address again is simply arnsw.net. Stay tuned to the broadcasts and watch *All Access* for more updates from the Radnet team including some exciting information about a checkin net. Thanks for listening and hope to catch you on 1910 soon. This has been Mat, VK2FLY.

Tetra Internet Connected Gateway

This is what I'm currently working on here in Sydney with Tetra.

I currently have an internet-connected gateway up and running providing coverage in and around the Sydney CBD, Cremorne and Neutral Bay.

Let me know if you're interested in hearing more about this. I'd be more than willing to donate a radio to Dural too for use.

More info here: <http://www.vktetra.com>.

Cheers, Craig Chiffers

0400 933 544

Microcomputer Enthusiasts Group Query

Hi

I am a student at Swinburne University in Melbourne doing research into the relationship between the hobbies of amateur radio and micro computing in the late 70s to late 80s. In an interview I recently conducted one of my interviewees mentioned that a Microcomputer Enthusiast's Group used to meet at the WIA facility at 14 Atchison St, St. Leonards.

My first question would be whether this group was an official part of the WIA or whether they were simply hiring the room as did other computer groups such as the Sorcerer User Group.

I have also been told about a ham who lived in Chatswood in the 80s who had a 2m beam setup, worked for Telecom and owned an Exidy Sorcerer and may have used that computer in connection with amateur radio activities.

If anyone has any information in regards to this topic I would be most appreciative to hear from you. Please write to mborthwick@swin.edu.au.

Michael Borthwick
VK3XDY

Trash and Treasure

Trash and Treasure sales continue but in the new format. You may peruse the equipment list below, which represents some of the equipment ARNSW has for sale, and make arrangement to view the offering or make an offer. Most can be posted but some are too large or heavy for postage.

Pickup is by arrangement so as to keep the number of visitors to a minimum for Covid-19 safety. We could not accommodate the usual crowds that gather in the show room. Also, to meet Covid-19 tracking requirements, visitors will be asked to complete a self-declaration form and sign the visitors book.

Please email disposals@arnsw.org.au to arrange a site visit or to inquire on any item.

All of the advertised equipment has been tested. Any known faults will be described.

Kenwood TS520 and accessories

Note these TS520S all transmit but will require new driver and finals to generate full power. They may require switches and pots to be cleaned. These are sold as working but do require some electrical restoration. They are in good cosmetic condition. All have power cables and hand microphones.

TS520S Transceiver original paint	\$200.00
TS520S Transceiver original paint	\$200.00
TS520S Transceiver original paint	\$200.00
TS520S Transceiver dark grey re-paint	\$200.00
MC50 Microphone	\$50.00
MC50 Microphone	\$50.00
DG5 digital display with cables	\$100.00
DG5 digital display no power cable	\$90.00
Almost All Digital TS520S frequency display built and tested	\$50.00
VOX-3 for TS520S with cable	\$25.00

Antenna Tuners and power meters

MFJ-969 Deluxe Versa Tuner II	\$125.00
Yaesu FC 700 antenna tuner	\$100.00
AT200 antenna tuner	\$150.00
AT130 antenna Tuner	\$100.00
AT120 Antenna tuner	\$100.00
AVAIR CN400 140-500MHz 30/300/3kW	\$100.00

All Access is a newsletter published by Amateur Radio New South Wales (ARNSW) for distribution to members and friends of ARNSW. If you wish to comment on any item published or, perhaps, suggest further matters for publication, please contact the editor, Ray – VK2ASE by email at editor@arnsw.org.au or post to Editor, ARNSW, PO Box 6044, Dural DC, 2158.

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MFJ 813 QRP power meter 0-5W power 0.1W to 50W SWR 1.8-50MHz \$30.00

Power Amplifiers

RM Italy HLA-150 HF 5W to 100W amplifier with low pass filters \$600.00

RM Italy KL203 10W to 100W 25 to 30MHz amplifier \$75.00

TE systems 1452G 2m 400W amplifier \$600.00

Coaxial Relays

Note 24V and 28V relays can be supplied with a 12V to 24V boost converter.

Transco PN 82152 28V SMA SPDT \$30.00

Transco PN 82152 28V SMA SPDT \$30.00

DowKey 401-390832-1 10V SMA SPDT \$40.00

DowKey 401-390832-1 10V SMA SPDT \$40.00

DowKey 77-133 24V TNC SPDT \$20.00

DowKey 61-2202 12V BNC SPDT \$30.00

DowKey 260-230244 24V BNC dual SPDT relay BNC \$40.00

Amphenol 360-11890-16 24V SPDT 3 x N connectors \$40.00

TOHTSU CX140D 12V N connectors on cable 250W \$40.00

DowKey 401J-320832-1 12V latching with contacts SPDT SMA 18GHz \$30.00

Ducommun 2SE1T11JB 12V latching SMA relay 26.5GHz \$40.00

Transco Transfer Relay PN 82152-700C70200 28V \$20.00

Bird 43 power meter elements one of each

1000P 0.45 to 2.5MHz \$75.00

1000C 100 to 250MHz \$75.00

1000D 200 to 500MHz \$75.00

1000E 400 to 1000MHz \$75.00

2500B 2.5kW 50 to 125MHz \$75.00

50C 50W 100 to 250MHz \$75.00

5B 5W 50-125MHz \$50.00

5C 5W 100 to 250MHz \$50.00

5D 5W 200 to 500MHz \$50.00

5E 5W 400 to 1000MHz \$50.00

10M 10W 2.2 to 2.3GHz \$25.00

Test Equipment

HP8904A DC to 600kHz function generator with book \$100.00
 Telenoic Instruments step attenuator TG-950 DC to 150MHz 0-102dB \$25.00
 National BN-500UBE 500V Insulation Test Set 6 x AA batteries Hand Held \$25.00
 HP 411A RF voltmeter 500kHz to 500MHz with BNC probe tip. \$50.00
 HP 411A RF voltmeter 500kHz to 500MHz with accessory kit \$65.00
 HP 4815A Vector Impedance Meter with probe \$200.00
 Helper S103 Sineadder 3 SINAD meter \$25.00
 HP Spectrum Analyser 8558B + 180TR display \$300.00
 HP Swept Amplitude Analyser HP8755C with 2x 11664A detectors -50 to +10dBm to 18GHz
 Includes the HP8750 store and normaliser with cable \$100.00
 HP8620C Swept Oscillator with 86254A 5.9 to 12.4GHz and 86222A 0.01 to 2.4GHz plugins
 \$100.00
 HP 11692D dual directional coupler 22dB 2 to 18GHz \$50.00
 HP 3406 sampling voltmeter 1mV to 3V to 1.2GHz \$100.00
 Weinschel Corp 150W 50 ohm load good to 6GHz as new \$75.00
 NEC 5.7GHz 6W power amplifier from VK3XPD \$50.00
 Trio SG402 100kHz to 30MHz RF signal generator \$50.00
 Trio AG202A 20Hz to 200kHz audio generator \$30.00
 DSE Q-1312 RF signal generator 100kHz to 150MHz \$50.00
 Leader LDM-815 Dip Meter \$40.00

Microwave equipment.

ID Elektronik D24-04-12 23cm interdigital filter 1296MHz \$75.00
 HP 423A Crystal Detector with matching load resistor \$30.00
 30w 10db 4GHz attenuator \$30.00
 HP 453B Power Meter with 8484A sensor -20dBm to -65dBm to 18GHz \$300.00
 Rojone AMA-1250-10-1W 10dB directional coupler 200W N connectors \$75.00
 Rojone AMA-2250-3M 3 way power divider 100W N connectors \$25.00
 Mini-Circuits ZFDC-20-C 100MHz to 2GHz 20dB Directional Coupler SMA with 2 x N adaptor
 low power \$75.00

Microwave Diode Detectors

HP447B Detector N connector 1.8MHz to 18GHz \$25.00
 HP 8470A Detector N connector to 18GHz \$25.00
 FXR N210A Diode holder with 1N23 diode 1MHz to 10GHz \$15.00
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Connectors

Andrews L44AW coaxial connector x 5	\$25 each
Andrews F4PNM coaxial connector x 2	\$25 each
Andrews L4PNM-RC coaxial connector x 8	\$25 each
Andrews L4NM-C coaxial connector x 1	\$25 each
Andrews L44N coaxial connector x 2	\$25 each

Mark – VK2XOF

Until next issue,
73, Ray – VK2ASE