



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

Welcome to this edition of *All Access*. Firstly, I must apologise for the lack of a November 2020 issue. Unfortunately, your editor was in need of some internal maintenance so spent a little time in the workshop getting some plumbing repairs done. All is well now and we're back in business.

Trash and Treasure sales continue but still in a completely different format. We may see this format continue for some time, thanks to Covid-19. The storeroom is again full of goodies and these may be viewed and/or purchased by arrangement. See the article below.

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

Keep Your Details Up to Date

By now you should have received in the mail your 2021 ARNSW magnetic calendar. If not, maybe we don't have your correct current address. Following the recent mass mailout of calendars it was a little surprising to have a number returned with "unknown at this address".

While on this subject we also have had a number of renewals that we cannot identify. It is amazing that members will forward their fees but then not include anything in the bank transfer to indicate who they are. We have had a few such examples recently. The Treasurer has advised that he is happy to accept these donations.

So, please indicate in the reference field for a bank transfer some form of ID. It might be your membership number, callsign, or simply your name. But, something at least to let us know who you are.

And keep your details with the Secretary up to date. Any change in you name, address, callsign, etc. should be advised to the Secretary. An email to Secretary@arnsw.org.au is the

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simplest. Otherwise mail the details to The Secretary, ARNSW, PO Box 6044, Dural DC, NSW 2158.

Ray – VK2ASE

Broadcast Changes

You may have noticed that we have resumed Sunday evening broadcasts. They were discontinued early in the many Covid-19 shutdowns that occurred. The format is the same as it was previously and, to refresh your memories, it is:-

Sunday Morning:- National news from VK1WIA at 10:00 am local time followed by VK2WI news at 10:30 am local time.

Sunday Evening:- VK2WI news at 7:30 pm local time.

Ray – VK2ASE

Do You Know Your Directors?

This issue we continue with our profile of Directors, featuring Mathew Magee, VK2YAP. Here is what Mat has to say.

Hi, I'm Mathew Magee, a member of the ARNSW Board of Directors currently holding the portfolio of President.



Born and raised in Sydney, I have had a long fascination with pretty much anything radio. I have been a licenced amateur radio operator since the age of 14. After a lot of reading plus some watching Gladesville Amateur Radio Club theory videos, I passed the AOLCP as it was at the time. I have held the callsign of VK2YAP since.

After high school and TAFE Advanced Diploma, I found a path from fixing TVs and VCRs into broadcasting; after all, this was just more TVs and bigger VCRs, right? (pretty much). From there, it wasn't long before finding my way to the transmitter hall!

After some time in commercial television, I was employed by the ABC as part of their team to take on engineering aspects for the start of Digital TV broadcasting in Australia - often with equipment barely out of the prototype stage. Eventually my role changed to cover all engineering aspects of the ABC's radio and TV output, including of course the Shortwave transmitters for Radio Australia. After leaving the ABC I continued to specialise in Radio and TV engineering, which allowed me to further work all around Australia, with broadcasters big and small.

But times change, and by 2017 I was looking to do something different. I had the opportunity to go 'back to school' and have most recently been both working as a causal academic and studying

further electrical engineering topics at postgraduate level; including sneaking some amateur-radio related topics into classes!

My amateur Radio involvement has also been somewhat varied. Although the world below 30MHz is a large component of my work related activity, on amateur radio I tend to focus more on VHF and UHF. Key areas of interest are improving quality of voice transmission both on transmission and receiving end, and DSP applications – include SDR and receive signal processing.

I have been on the board of Amateur Radio NSW since 2008. I have also been on the VK2WI Broadcast team for nearly as long, and still take part in producing items for the news bulletins, as well as helping out in engineering matters.

Mat – VK2YAP

Trash and Treasure

Trash and Treasure sales will continue but in the different format which we saw last time. We will not be holding a T & T day anytime soon as we have become accustomed. Rather, 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 visitor’s 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.

HF Transceivers.

1. Kenwood TS850S HF transceiver in good condition and fully working. Supplied with a hand microphone and power cable. **\$750. Collect only.**
2. Icom IC-718 HF transceiver supplied with manual, hand microphone and power cable. **\$750.**
3. Yaesu FT-897D HF to UHF transceiver with manual, microphone, power cable in original packing box. Good condition and working. **\$650.**
4. Icom IC-740 HF Transceiver in good condition (covers repainted) with power cable and microphone.

VHF Transceivers.

1. Drake UV3 2m synthesised FM transceiver. In good condition and working. Supplied with a hand microphone, power cable and manual. **\$100.**
2. Icom IC-271A All mode 2m manual, hand microphone and power cable. **\$200.**

Antenna Tuners.

1. Drake MN 2700 matching network 160 to 10m 1kW with power/SWR meter. **\$250.**
2. Emtron EAT300 100W antenna tuner with power/SWR meter fair condition. **\$75.**
3. Alinco EDX 2 long wire tuner in good condition and fully working. **\$150.**
4. Icom AH-4 long wire tuner in good condition and fully working. **\$150.**

Power / SWR Meters.

1. OskerBlock SWR-200 0-200W HF power and SWR meter with original calibration chart. Good condition and working. **\$50**

Power Supplies.

1. Perini and Scott JVC high voltage power supply. 0 to 300V DC at 100mA with overload cutout, 6.3V at 2A AC. Completely refurbished and fully working. With schematics. **\$200.**
2. HP6002 0 to 60V 15A bench supply with variable voltage and current limit. Meters for voltage and current. In good condition and working **\$150.**
3. Icom PS20 Power low noise switching supply. 13.8 V 20 A. **\$75.**
4. DSE VK Powermaster 13.8 V 20 A Linear power supply in good condition and fully working. **\$100.**

Transceiver accessories

1. Drake TV3300 1kW 30MHz low pass filter in good condition and working. **\$30.**
2. Drake TV3300 1kW 30MHz low pass filter in good condition and working. **\$30.**
3. Ten Tec 5061 1.5kW 30MHz low pass filter in good condition and working. **\$50.**
4. Digitor 2m 30W FM amplifier in good condition and working. **\$25.**
5. Digitor 2m 30W FM amplifier in good condition and working. **\$25.**
6. Alinco ELH-230E 2m 30W FM amplifier in good condition and working. **\$25.**
7. Drake TR-7 accessories FA-7 Fan. **\$20.**
8. Drake TR-7 accessories NB-7 Noise Blanker. **\$20.**
9. Drake R-7 accessories AUX-7 channel board with one RRM7. **\$20.**
10. Drake TV-75-HP 52MHz high pass filter. **\$10.**

Coil Winder, hand cranked with wire guide and stops that reverse the direction of the wire guide to lay down the layers of wire on a coil. The wire guide speed can be set to suite the wire diameter using the knob below the turns counter. **Collect only \$200.**



Resistor Kit, At least 50 of each E12 value from 10 ohms to 10 meg ohms. All metal film and either 1% or 5% (mostly 1%) . In many cases there will be 75 to 100 resistors per value. The cabinet is a Capsten steel unit with good quality plastic draws.

\$50 per kit and 4 kits available. Collect only.



Test Equipment

1. Hewlett Packard 8656B 100KHz to 990MHz RF signal generator with AM FM and accurate output level setting. **\$400. Pickup only or Pack and Send.**
2. HP 436A Power meter with 18GHv diode measurement head. Good condition and working. **\$250.**
3. HP355D (10dB/step) and HP355E (1dB/Step) attenuators in good condition and working. **\$75 each.**
4. Lafayette Grid Dip Meter 1.7 to 180 MHz Good condition and working. **\$50**
5. Grundig Grid Dip Meter 1.5 to 250 MHz Good condition and working. **\$50**
6. AVO 7 analog Multimeter Good condition, with genuine test leads and working. **\$50**
7. AVO 8 analog Multimeter Good condition with genuine test leads and working. **\$50.**
8. Variac 0-260V 2.5A IEC C13 inlet and GPO outlet. **\$100.**
9. Tektronix 2213 60MHz two channel oscilloscope in good condition and working. **\$75.**
10. BWD 530A 2 channel 20MHz oscilloscope in good condition and working. **\$50.**
11. AVO 1000 analog multimeter in good condition and working. **\$40.**
12. Heathkit QM-1E Q meter in good condition and working. **\$50.**
13. Rohde & Schwarz LARU inductance meter 100nH to 1H. In good condition and working. **\$50.**
14. Lutron LCR-9073 LCR Meter. 2mH to 20H @ 250Hz, 2nF to 1000uF and 200ohms to 20M ohms full scale. In good condition and working. **\$50.**
15. Trio AG-202A audio signal generator. In good condition and working. **\$25.**
16. GenRad 1863 Megohmmeter 1Meg ohms to 1Tera ohms with 5 switched test voltages from 50V to 500V. In good condition and working. **\$75.**
17. Labtech Q1535 1GHz frequency counter In good condition and working. **\$25.**
18. Marconi TF 2304 AM FM Modulation Meter 10MHz to 1000MHz auto tune in good condition and working. **\$100**

Audio Equipment.

1. Dual CV4 stereo amplifier late 60's vintage solid state. In fair condition and working **\$50.**
2. Quad 303 power amplifier and 33 preamplifier. Both have been refurbished with new electrolytic capacitors throughout and tested. They are in good physical condition and complete with power cables and all connectors. Price is **\$500** for the pair which reflects the time and cost of refurbishment. If you look at sales of these classic amplifiers they are generally about twice this price.

Mark – VK2XOF

Until next issue,
73, Ray – VK2ASE